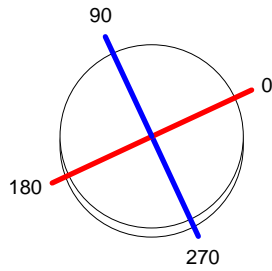


Luminaire		Measur.		Lamp	
Code	05-9416-34-37	Code	05-9416-34-37	Code	0021312
Name	Projector HUBBLE 50W GU10	Name	Projector HUBBLE 50W GU10	Number	1
Line	- LEDS-C4	Date	16-07-2015	Position	Universal
Efficiency	74.65%	Coordinate system	CG	Total Flux	300.00 lm
Maximum value	418.60 cd	Position	C=0.00 G=0.00	Sym. on planes	270-90
Round Luminaire	Diam.	120 mm	Height	210 mm	
Round Luminous Area	Diam.	75 mm	Height	0 mm	
Horizontal Luminous Area	0.004418 m2	Emitting area on Plane 180°	0.000000 m2		
Emitting area on Plane 0°	0.000000 m2	Emitting area on Plane 270°	0.000000 m2		
Emitting area on Plane 90°	0.000000 m2	Glare area at 76°	0.001069 m2		
Symmetry Type	Sym. on planes 270-90	Maximum Gamma Angle	90		
Measurement Distance	0.51	Measurement Flux	298.00 lm		
Operator	Asselum T3	Source voltage	230.00 V		
Temperature	25.00 °C	Source current			
Humidity	50.00 %	Photocell	Czibula Grundmann		
Notes					

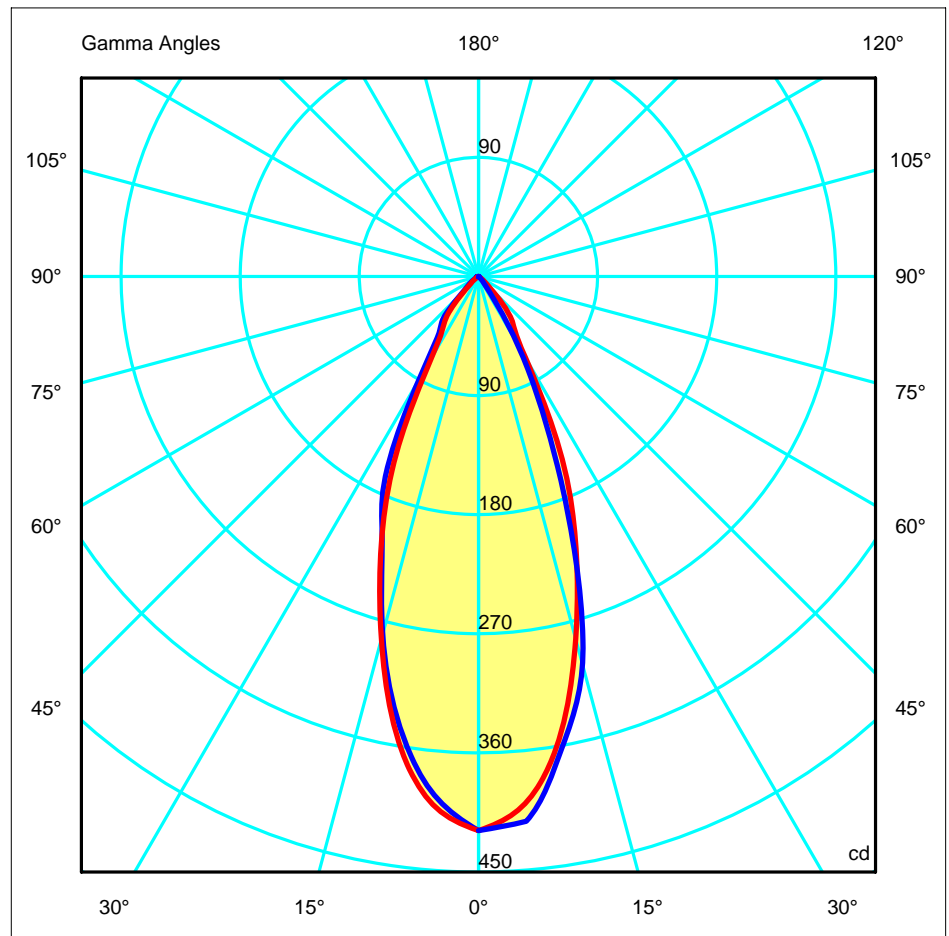
Line		Code	Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
SYLVANIA ILCOS HS, HM, HD, HR		0021312	Name HI-SPOT ES50 ALU 50° 50W		300.00	50.00	1
C.I.E.	94 99 100 100 75		D DIN 5040	A60			
F UTE	0.75 A		B NBN	BZ 1			

Diam=120mm



C Halfplanes
 270.0 ————
 180.0 ———— 0.0
 ———— 90.0

ULOR 0.00 %
 DLOR 74.65 %
 RN 0.00 %



Luminaire		Measur.		Lamp	
Code	05-9416-34-37	Code	05-9416-34-37	Code	0021312
Name	Proyector HUBBLE 50W GU10	Name	Proyector HUBBLE 50W GU10	Number	1
Line	- LEDS-C4	Date	16-07-2015	Position	Universal

Efficiency	74.65%	Coordinate system	CG	Total Flux	300.00 lm
Maximum value	418.60 cd	Position	C=0.00 G=0.00	Sym. on planes	270-90

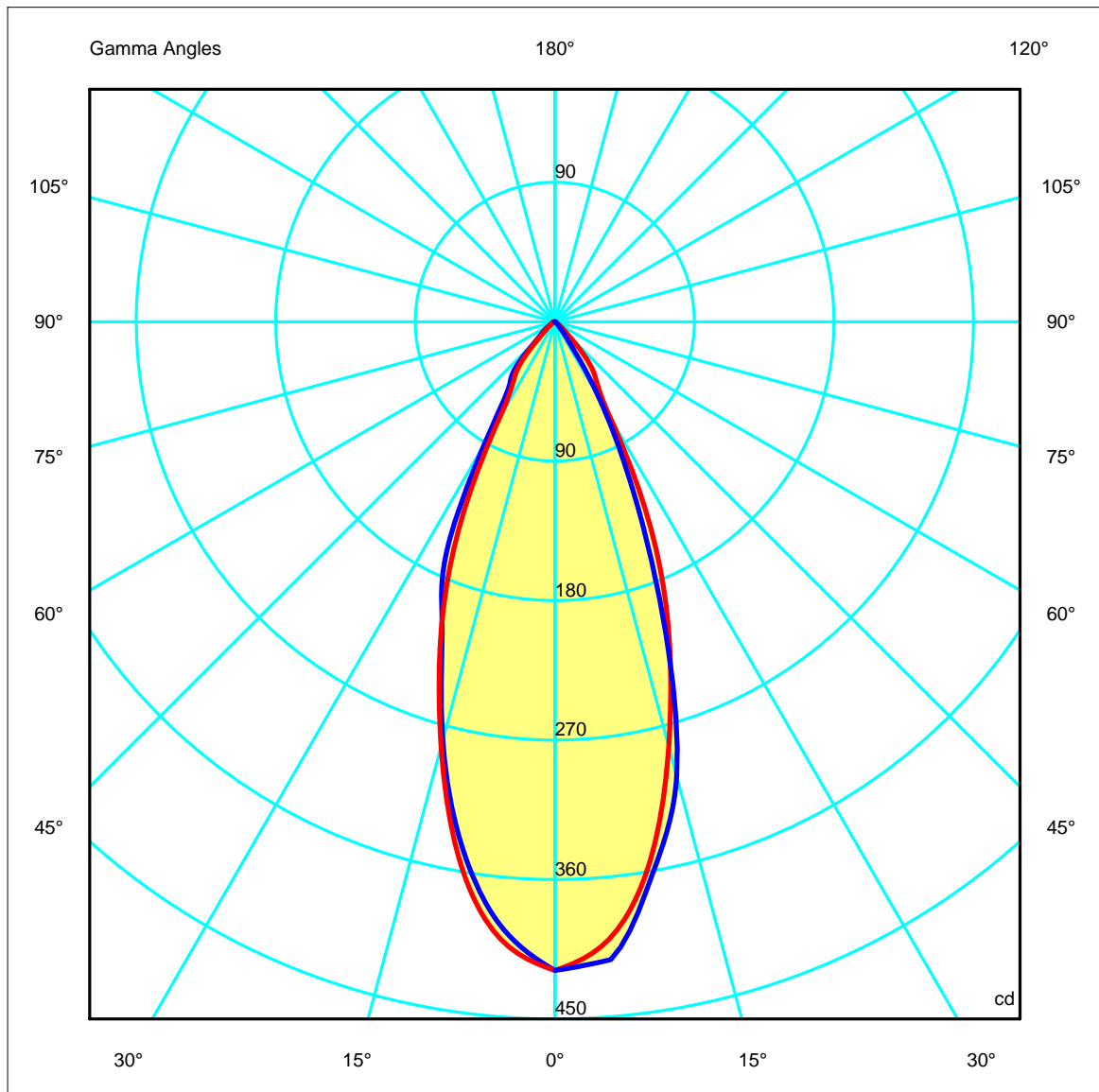
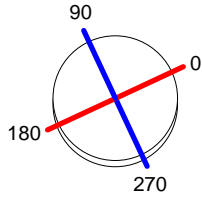
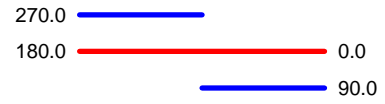
Luminous Intensity Table cd Table 1/1

	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	418.60	418.60	418.60	418.60	418.60	418.60	418.60	418.60	418.60	418.60	418.60	418.60	418.60
G 5.0	392.28	392.68	396.36	400.50	403.49	403.90	400.04	398.39	398.59	397.63	406.00	411.31	413.25
G 10.0	344.29	344.74	347.73	348.41	354.08	357.54	353.36	348.99	346.86	339.10	352.10	361.41	362.00
G 15.0	279.59	282.28	294.76	295.55	291.82	289.33	283.61	280.75	285.41	287.02	290.47	297.36	303.26
G 20.0	212.70	214.75	223.90	222.52	219.06	222.31	214.60	211.97	213.66	210.25	205.07	201.67	204.64
G 25.0	166.56	159.18	152.84	150.84	145.78	147.31	145.76	143.39	134.21	127.15	122.28	120.28	117.49
G 30.0	90.15	87.36	83.07	81.11	75.02	74.29	71.06	70.97	68.63	65.52	62.76	59.66	57.75
G 35.0	51.89	52.21	54.19	51.83	49.71	48.59	46.80	45.58	44.85	37.51	26.76	17.78	16.29
G 40.0	41.32	38.80	38.33	37.99	36.63	34.33	33.27	30.14	15.14	8.63	6.11	5.54	5.44
G 45.0	17.99	17.73	16.99	17.91	16.92	16.36	12.90	8.75	5.58	4.39	3.47	3.10	2.67
G 50.0	9.69	9.57	9.39	9.35	8.98	8.77	6.21	3.84	2.35	1.35	0.49	0.42	0.39
G 55.0	5.38	5.20	5.34	5.20	5.06	4.42	2.63	1.55	0.61	0.43	0.33	0.28	0.25
G 60.0	2.95	3.03	2.98	2.79	2.65	2.04	1.19	0.64	0.43	0.29	0.17	0.09	0.08
G 65.0	1.98	1.97	1.87	1.74	1.52	1.01	0.71	0.49	0.30	0.13	0.09	0.08	0.08
G 70.0	1.44	1.40	1.33	1.21	1.03	0.80	0.59	0.36	0.18	0.12	0.12	0.12	0.12
G 75.0	1.32	1.28	1.20	1.07	0.90	0.68	0.46	0.27	0.17	0.16	0.18	0.18	0.19
G 80.0	1.22	1.17	1.09	0.94	0.76	0.54	0.38	0.25	0.22	0.22	0.24	0.25	0.26
G 85.0	0.99	0.94	0.88	0.75	0.62	0.48	0.35	0.27	0.28	0.28	0.30	0.32	0.33
G 90.0	0.97	0.92	0.85	0.73	0.60	0.44	0.32	0.32	0.33	0.34	0.36	0.38	0.39

Luminaire		Measur.		Lamp	
Code	05-9416-34-37	Code	05-9416-34-37	Code	0021312
Name	Projector HUBBLE 50W GU10	Name	Projector HUBBLE 50W GU10	Number	1
Line	- LEDS-C4	Date	16-07-2015	Position	Universal
Efficiency	74.65%	Coordinate system	CG	Total Flux	300.00 lm
Maximum value	418.60 cd	Position	C=0.00 G=0.00	Sym. on planes	270-90

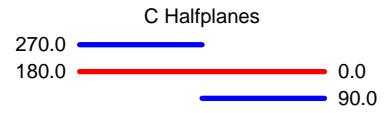
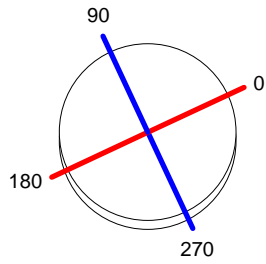
Diam=120mm

C Halfplanes



Luminaire		Measur.		Lamp	
Code	05-9416-34-37	Code	05-9416-34-37	Code	0021312
Name	Projector HUBBLE 50W GU10	Name	Projector HUBBLE 50W GU10	Number	1
Line	- LEDS-C4	Date	16-07-2015	Position	Universal
Efficiency	74.65%	Coordinate system	CG	Total Flux	300.00 lm
Maximum value	418.60 cd	Position	C=0.00 G=0.00	Sym. on planes	270-90

Diam=120mm



Luminaire		Measur.		Lamp	
Code	05-9416-34-37	Code	05-9416-34-37	Code	0021312
Name	Projector HUBBLE 50W GU10	Name	Projector HUBBLE 50W GU10	Number	1
Line	- LEDS-C4	Date	16-07-2015	Position	Universal
Efficiency	74.65%	Coordinate system	CG	Total Flux	300.00 lm
Maximum value	418.60 cd	Position	C=0.00 G=0.00	Sym. on planes	270-90

UGR
S = 0.250

Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	11.4	12.1	11.7	12.3	14.2	13.1	13.8	13.4	14.0	14.2
x=2H y=3H	11.3	12.0	11.6	12.2	14.3	13.1	13.8	13.4	14.0	14.3
x=2H y=4H	11.3	11.9	11.6	12.1	14.3	13.2	13.8	13.5	14.0	14.3
x=2H y=6H	11.2	11.8	11.6	12.1	14.4	13.3	13.9	13.7	14.2	14.4
x=2H y=8H	11.2	11.8	11.6	12.1	14.6	13.5	14.0	13.8	14.3	14.6
x=2H y=12H	11.3	11.8	11.6	12.0	14.7	13.6	14.1	14.0	14.4	14.7
x=4H y=2H	11.3	11.9	11.6	12.1	14.1	13.0	13.6	13.3	13.9	14.1
x=4H y=3H	11.2	11.7	11.6	12.0	14.2	13.1	13.6	13.4	13.9	14.2
x=4H y=4H	11.2	11.6	11.6	12.0	14.3	13.2	13.6	13.6	14.0	14.3
x=4H y=6H	11.2	11.6	11.6	11.9	14.6	13.5	13.8	13.9	14.2	14.6
x=4H y=8H	11.2	11.5	11.6	11.9	14.8	13.7	14.0	14.1	14.4	14.8
x=4H y=12H	11.3	11.6	11.7	11.9	15.1	14.0	14.3	14.4	14.6	15.1
x=8H y=4H	11.2	11.5	11.6	11.9	14.3	13.2	13.5	13.6	13.9	14.3
x=8H y=6H	11.2	11.5	11.7	11.9	14.7	13.6	13.8	14.0	14.2	14.7
x=8H y=8H	11.3	11.5	11.8	12.0	15.0	13.9	14.1	14.4	14.5	15.0
x=8H y=12H	11.4	11.6	11.9	12.0	15.5	14.3	14.5	14.8	15.0	15.5
x=12H y=4H	11.2	11.5	11.6	11.8	14.3	13.2	13.4	13.6	13.8	14.3
x=12H y=6H	11.3	11.5	11.7	11.9	14.7	13.6	13.8	14.1	14.2	14.7
x=12H y=8H	11.4	11.5	11.8	12.0	15.1	13.9	14.1	14.4	14.6	15.1

Luminaire		Measur.		Lamp	
Code	05-9416-34-37	Code	05-9416-34-37	Code	0021312
Name	Proyector HUBBLE 50W GU10	Name	Proyector HUBBLE 50W GU10	Number	1
Line	- LEDS-C4	Date	16-07-2015	Position	Universal
Efficiency	74.65%	Coordinate system	CG	Total Flux	300.00 lm
Maximum value	418.60 cd	Position	C=0.00 G=0.00	Sym. on planes	270-90

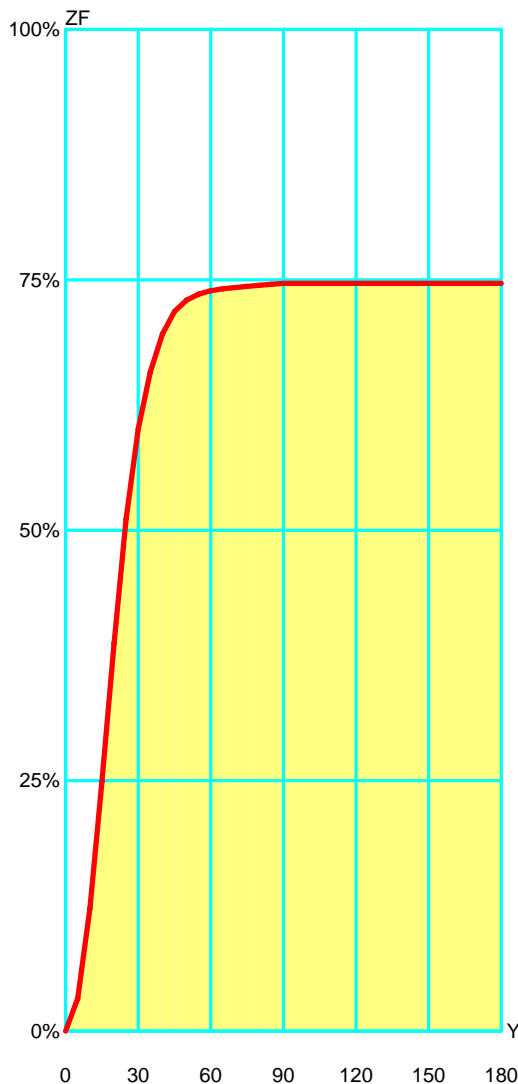
Total Flux=300.00 Luminaire Flux=223.94

RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.69	0.74	0.79	0.83	0.86	0.91	0.94	0.96	0.98	0.99	1.01	1.02
RC	-	-	-	-	-	-	-	-	-	-	-	-

Zonal Flux per 1000 Lumen																		
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	122	387	601	696	730	739	742	745	746	746	746	746	746	746	746	746	746	746

CIE Flux Codes
94 99 100 100 75

C.I.E.	-/-/-/-/-/-/-/-/-/-	LOR	74.64611 %
D DIN 5040	A60	ULOR	0.00000 %
F UTE	0.75 A	DLOR	74.64611 %
B NBN	BZ 1	UFF	0.00000 %
RN	0.00000 %	DFF	100.00000 %
BLF	1.0	FFR	0.00000 %



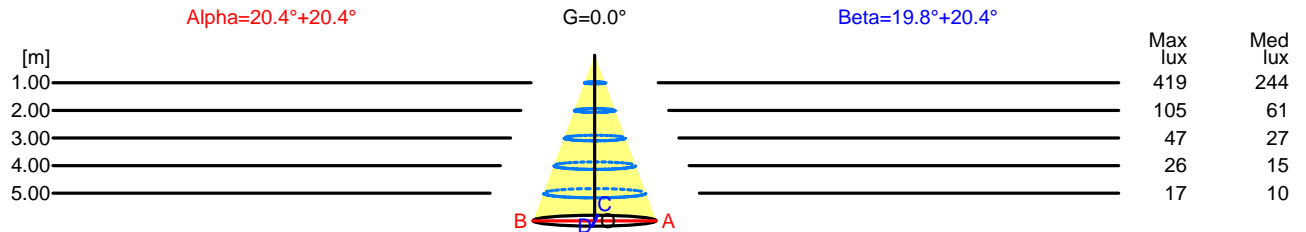
Gamma °	Zonal Flux			
	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	32.66	32.66	4.38 %	4.38 %
10°	89.62	122.28	12.01 %	16.38 %
15°	126.50	248.78	16.95 %	33.33 %
20°	138.23	387.02	18.52 %	51.85 %
25°	124.10	511.11	16.62 %	68.47 %
30°	90.15	601.26	12.08 %	80.55 %
35°	56.58	657.84	7.58 %	88.13 %
40°	37.92	695.76	5.08 %	93.21 %
45°	22.77	718.53	3.05 %	96.26 %
50°	11.24	729.77	1.51 %	97.76 %
55°	6.02	735.79	0.81 %	98.57 %
60°	3.32	739.10	0.44 %	99.01 %
65°	1.94	741.05	0.26 %	99.27 %
70°	1.33	742.38	0.18 %	99.45 %
75°	1.11	743.49	0.15 %	99.60 %
80°	1.05	744.54	0.14 %	99.74 %
85°	0.98	745.52	0.13 %	99.87 %
90°	0.94	746.46	0.13 %	100.00 %
95°	0.00	746.46	0.00 %	100.00 %
100°	0.00	746.46	0.00 %	100.00 %
105°	0.00	746.46	0.00 %	100.00 %
110°	0.00	746.46	0.00 %	100.00 %
115°	0.00	746.46	0.00 %	100.00 %
120°	0.00	746.46	0.00 %	100.00 %
125°	0.00	746.46	0.00 %	100.00 %
130°	0.00	746.46	0.00 %	100.00 %
135°	0.00	746.46	0.00 %	100.00 %
140°	0.00	746.46	0.00 %	100.00 %
145°	0.00	746.46	0.00 %	100.00 %
150°	0.00	746.46	0.00 %	100.00 %
155°	0.00	746.46	0.00 %	100.00 %
160°	0.00	746.46	0.00 %	100.00 %
165°	0.00	746.46	0.00 %	100.00 %
170°	0.00	746.46	0.00 %	100.00 %
175°	0.00	746.46	0.00 %	100.00 %
180°	0.00	746.46	0.00 %	100.00 %

Luminaire		Measur.		Lamp	
Code	05-9416-34-37	Code	05-9416-34-37	Code	0021312
Name	Projector HUBBLE 50W GU10	Name	Projector HUBBLE 50W GU10	Number	1
Line	- LEDS-C4	Date	16-07-2015	Position	Universal
Efficiency	74.65%	Coordinate system	CG	Total Flux	300.00 lm
Maximum value	418.60 cd	Position	C=0.00 G=0.00	Sym. on planes	270-90

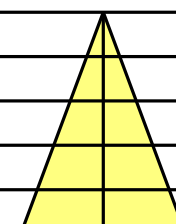
Width at 50.00 % of Max Intensity

H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	0.37	0.74	1.12	1.49	1.86	OC	0.36	0.72	1.08	1.44	1.80
OB	0.37	0.74	1.12	1.49	1.86	OD	0.37	0.74	1.11	1.48	1.86

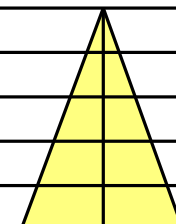
		Luminous Intensities [cd]									
		0	5	15	25	35	45	55	65	75	85
OA	418.60	400.04	283.61	145.76	46.80	12.90	2.63	0.71	0.46	0.35	
OB	418.60	400.04	283.61	145.76	46.80	12.90	2.63	0.71	0.46	0.35	
OC	418.60	413.25	303.26	117.49	16.29	2.67	0.25	0.08	0.19	0.33	
OD	418.60	392.28	279.59	166.56	51.89	17.99	5.38	1.98	1.32	0.99	



H[m]	D[m]	Max lux	Med lux	Alpha=20.4°+20.4°	G=0.0
1.00	0.74	419	244		
2.00	1.49	105	61		
3.00	2.23	47	27		
4.00	2.98	26	15		
5.00	3.72	17	10		



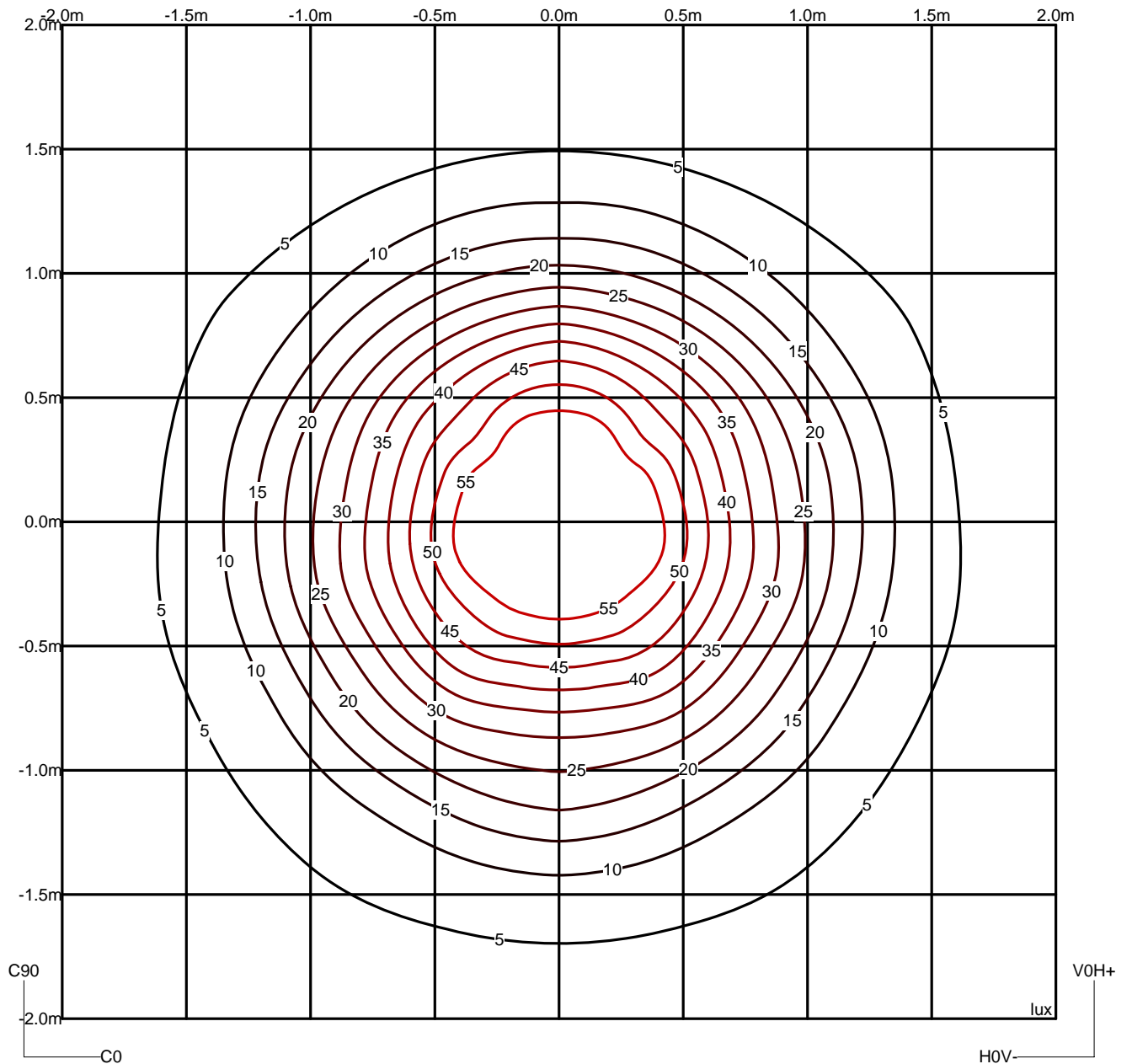
H[m]	D[m]	Max lux	Med lux	Beta=20.4°+19.8°	G=0.0
1.00	0.73	419	244		
2.00	1.46	105	61		
3.00	2.19	47	27		
4.00	2.92	26	15		
5.00	3.65	17	10		



Luminaire		Measur.		Lamp	
Code	05-9416-34-37	Code	05-9416-34-37	Code	0021312
Name	Projector HUBBLE 50W GU10	Name	Projector HUBBLE 50W GU10	Number	1
Line	- LEDS-C4	Date	16-07-2015	Position	Universal
Efficiency	74.65%	Coordinate system	CG	Total Flux	300.00 lm
Maximum value	418.60 cd	Position	C=0.00 G=0.00	Sym. on planes	270-90

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m



Luminaire		Measur.		Lamp	
Code	05-9416-34-37	Code	05-9416-34-37	Code	0021312
Name	Projector HUBBLE 50W GU10	Name	Projector HUBBLE 50W GU10	Number	1
Line	- LEDS-C4	Date	16-07-2015	Position	Universal
Efficiency	74.65%	Coordinate system	CG	Total Flux	300.00 lm
Maximum value	418.60 cd	Position	C=0.00 G=0.00	Sym. on planes	270-90

Utilizations CIE

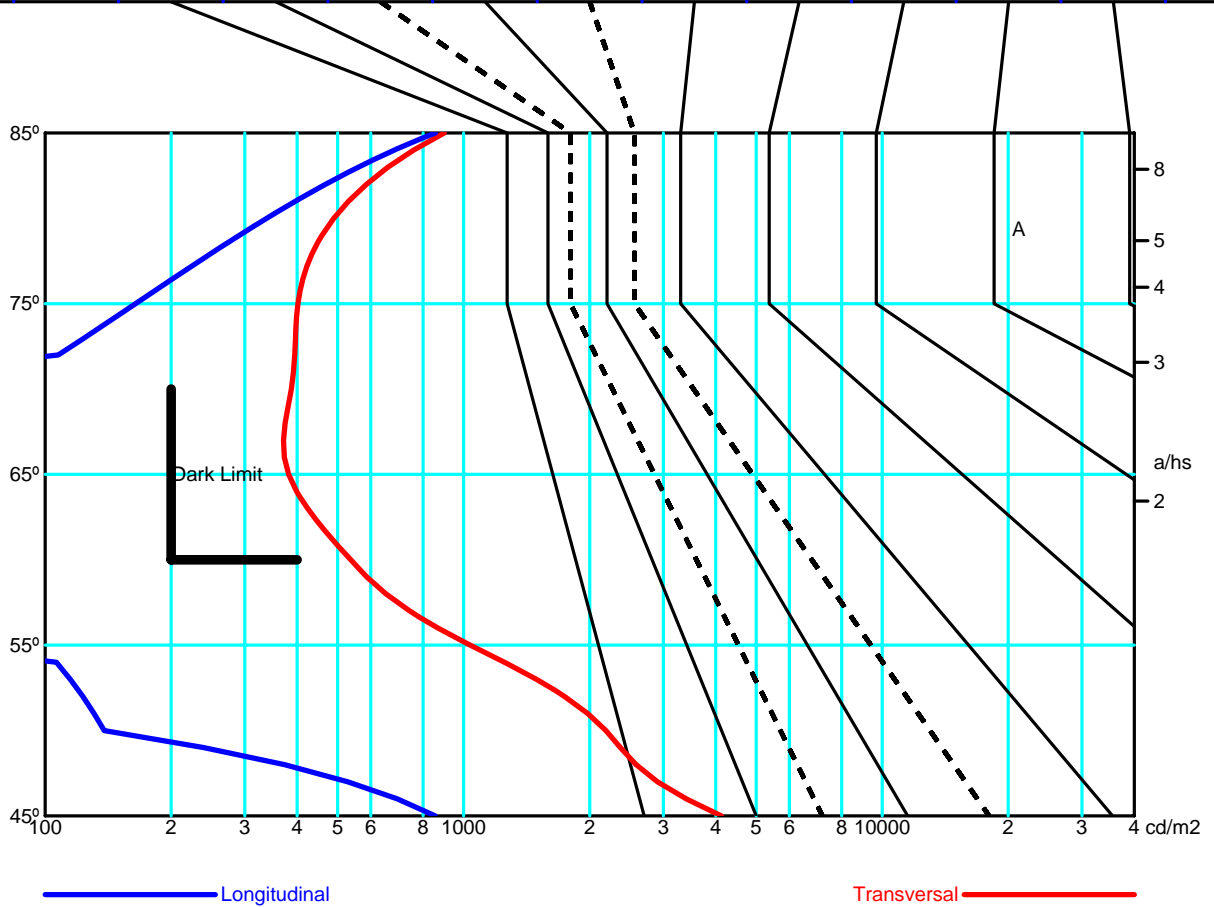
Mounting	Direct	Normalization										Suspension Ratio			Standard CIE Settings								
		Normalised	Normalised	Normalised	Normalised	Normalised	Normalised	Normalised	Normalised	Normalised	Normalised	1/3	2/3	3/3	5111	5111	3331	3311	1111	0000			
Ceiling																							
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	124	111	73	66	106	63	71	60	40	34	24	18	13	9	32	20	17	11	9	16	9	8	0
0.80	149	136	79	73	130	69	93	81	47	41	31	25	19	14	39	26	23	16	13	22	14	12	0
1.00	166	154	80	74	147	71	111	99	51	46	36	29	24	18	43	30	28	21	18	27	18	16	0
1.25	183	172	80	76	164	73	130	118	55	50	41	35	30	24	47	36	33	26	23	31	23	21	0
1.50	196	186	80	77	177	74	145	133	58	54	45	39	34	28	50	40	37	31	27	35	28	25	0
2.00	213	204	78	75	195	73	168	157	61	57	50	45	42	36	54	46	43	38	35	41	35	32	0
2.50	224	217	76	74	207	72	184	174	62	59	54	50	47	42	57	50	48	44	40	46	41	38	0
3.00	232	226	74	73	216	71	196	187	64	61	57	53	52	47	58	53	51	48	45	49	45	42	0
4.00	245	240	74	73	230	71	214	206	66	64	62	58	58	53	62	58	56	54	52	54	51	49	0
5.00	253	249	74	73	238	72	226	219	68	66	65	62	62	58	64	61	60	58	56	58	55	53	0
10.00	271	269	74	74	258	73	252	248	72	71	71	70	71	68	69	68	68	68	66	66	65	63	0
20.00	281	280	75	75	269	74	267	265	74	74	75	74	76	74	72	73	72	73	73	71	71	69	0
Wall																							
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	220	214	156	152	210	150	165	161	121	119	102	99	88	86	118	100	99	87	86	98	86	86	69
0.80	245	238	166	162	233	160	189	183	133	130	114	111	100	98	128	111	110	98	97	109	97	97	77
1.00	257	249	164	161	242	158	202	195	135	132	118	114	104	102	129	114	113	102	101	112	101	100	77
1.25	269	261	163	160	253	157	216	208	137	135	122	119	110	106	131	118	116	107	105	115	105	103	79
1.50	277	270	162	159	260	156	226	218	138	136	124	121	113	110	132	120	118	110	108	116	107	105	79
2.00	278	272	147	145	259	142	231	223	129	126	118	115	109	105	122	113	111	105	103	108	101	98	69
2.50	274	268	133	131	254	128	230	223	118	116	109	106	102	98	110	103	102	97	95	98	93	89	59
3.00	266	261	118	116	246	113	226	219	105	103	98	95	93	89	98	92	91	87	85	87	83	78	46
4.00	262	258	104	103	241	99	225	219	94	92	89	87	85	81	86	82	81	79	77	76	73	68	34
5.00	257	254	93	92	236	88	222	217	84	83	80	78	77	74	76	73	72	70	69	67	65	59	24
10.00	218	216	40	40	195	35	189	186	35	34	34	32	33	31	26	26	25	25	24	18	18	11	0
20.00	139	138	0	0	116	0	114	112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Working Pl.																							
K	8873	8773	8871	8771	7773	7771	7753	7553	7751	7551	7731	7331	7711	7111	5551	5531	5331	5511	5111	3331	3311	1111	0000
0.60	657	650	613	609	645	606	591	586	569	566	544	542	526	524	565	542	541	525	524	540	524	523	517
0.80	708	699	652	648	692	644	639	632	609	606	584	581	565	563	603	581	579	563	562	578	562	561	554
1.00	752	743	685	681	733	677	683	675	646	642	623	619	605	601	638	618	616	602	600	614	600	598	592
1.25	788	779	710	707	767	702	720	711	674	671	653	649	636	632	666	647	646	632	630	643	629	627	621
1.50	815	806	728	725	792	719	748	738	695	691	675	671	660	655	685	669	667	655	652	663	651	648	641
2.00	856	848	754	752	830	746	794	784	728	724	712	708	700	694	717	704	702	693	690	697	687	683	677
2.50	883	875	770	768	855	762	824	815	748	745	736	731	726	720	736	726	725	718	715	718	711	705	700
3.00	902	895	781	779	873	773	847	837	762	760	753	748	745	739	750	742	741	736	733	733	728	721	716
4.00	923	917	791	790	892	783	871	863	776	773	769	765	763	758	763	757	756	752	749	747	743	735	729
5.00	936	930	797	796	903	789	887	879	784	782	779	775	774	769	770	766	764	762	760	755	752	742	737
10.00	963	960	809	808	928	800	921	916	799	798	798	796	797	794	784	784	783	783	781	770	770	758	752
20.00	976	975	813	813	941	805	938	936	806	805	807	806	808	806	791	791	791	792	791	777	778	764	758

LM53 SHR C0-C180: 0.640 SHR C90-C270: 0.650 SHR Square: 0.643

Luminaire		Measur.		Lamp	
Code	05-9416-34-37	Code	05-9416-34-37	Code	0021312
Name	Projector HUBBLE 50W GU10	Name	Projector HUBBLE 50W GU10	Number	1
Line	- LEDS-C4	Date	16-07-2015	Position	Universal
Efficiency	74.65%	Coordinate system	CG	Total Flux	300.00 lm
Maximum value	418.60 cd	Position	C=0.00 G=0.00	Sym. on planes	270-90

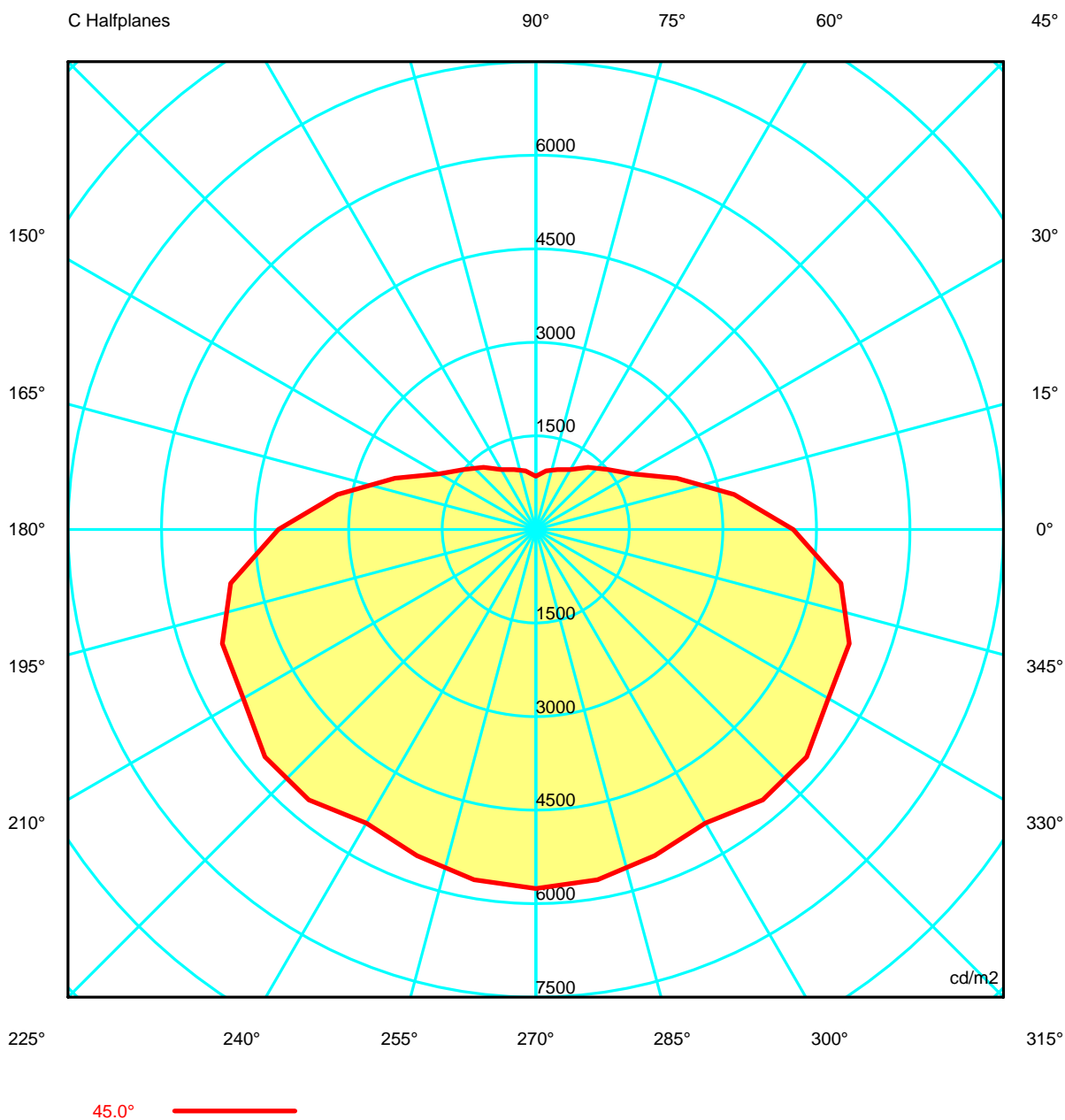
Average Luminance [cd/m ²]										
0.0°	45°	50°	55°	60°	65°	70°	75°	80°	85°	---
90.0°	4128	2186	1038	537	382	388	402	489	898	---
	855	138	98	37	43	82	165	338	857	---

Flush mounted or longitudinal view												
		Illumination(lx)										
A	A	2000	1000	750	500		<300				1.15	
B	1		2000	1500	1000	750	500	<300			1.5	
C					2000		1000	500	<300		1.85	
D	2						2000	1000	500	<300	2.2	
E	3							2000	1000	500	<300	2.55



Luminaire		Measur.		Lamp	
Code	05-9416-34-37	Code	05-9416-34-37	Code	0021312
Name	Projector HUBBLE 50W GU10	Name	Projector HUBBLE 50W GU10	Number	1
Line	- LEDS-C4	Date	16-07-2015	Position	Universal
Efficiency	74.65%	Coordinate system	CG	Total Flux	300.00 lm
Maximum value	418.60 cd	Position	C=0.00 G=0.00	Sym. on planes	270-90

Luminance



Luminaire		Measur.		Lamp	
Code	05-9416-34-37	Code	05-9416-34-37	Code	0021312
Name	Projector HUBBLE 50W GU10	Name	Projector HUBBLE 50W GU10	Number	1
Line	- LEDS-C4	Date	16-07-2015	Position	Universal

Efficiency	74.65%	Coordinate system	CG	Total Flux	300.00 lm
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Maximum value	418.60 cd	Position	C=0.00 G=0.00	Sym. on planes	270-90
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Luminance cd/m2 Table 1/3

	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00
G 0.0	94748.82	94748.82	94748.82	94748.82	94748.82	94748.82	94748.82	94748.82	94748.82	94748.82	94748.82	94748.82	94748.82
G 5.0	90892.51	90547.86	90533.91	90563.06	90418.54	90823.38	92247.82	93186.45	93642.01	93894.11	93642.01	93186.45	92247.82
G 10.0	81215.71	80424.52	80161.21	79720.69	78204.18	78521.75	80926.72	82640.14	83111.52	83200.86	83111.52	82640.14	80926.72
G 15.0	66457.63	65794.53	66068.30	66881.70	67180.29	67417.14	68065.98	69125.79	70181.72	71062.41	70181.72	69125.79	68065.98
G 20.0	51692.48	51041.30	51215.57	51465.30	51032.24	50231.33	49396.91	48704.49	48674.59	49291.81	48674.59	48704.49	49396.91
G 25.0	36402.04	36152.28	35168.26	33519.55	32258.02	31282.68	30538.64	30183.16	29843.55	29343.62	29843.55	30183.16	30538.64
G 30.0	18573.31	18556.65	18432.98	17938.24	17382.23	16886.32	16403.29	15845.97	15393.69	15094.55	15393.69	15845.97	16403.29
G 35.0	12932.70	12649.03	12527.69	12391.62	11224.98	9414.68	7393.32	5542.67	4775.37	4500.08	4775.37	5542.67	7393.32
G 40.0	9829.13	9213.77	7580.21	4473.54	2910.33	2248.34	1806.41	1653.58	1626.59	1606.36	1626.59	1653.58	1806.41
G 45.0	4128.28	3229.08	2402.88	1785.58	1497.55	1302.01	1109.70	1021.76	954.09	855.31	954.09	1021.76	1109.70
G 50.0	2186.48	1592.44	1149.43	829.16	589.79	358.46	173.66	156.65	144.91	138.43	144.91	156.65	173.66
G 55.0	1037.56	732.35	473.25	239.35	173.81	160.81	129.73	112.88	104.92	97.53	104.92	112.88	129.73
G 60.0	536.79	349.47	245.96	196.69	152.95	111.05	75.53	48.68	39.51	37.44	39.51	48.68	75.53
G 65.0	381.90	299.98	228.10	162.73	94.74	56.31	49.81	44.98	42.69	42.52	42.69	44.98	49.81
G 70.0	387.53	286.99	192.12	120.26	84.44	77.83	78.41	80.74	81.59	82.12	81.59	80.74	78.41
G 75.0	401.91	282.36	193.60	148.14	140.44	147.35	153.64	157.35	160.62	164.60	160.62	157.35	153.64
G 80.0	489.32	366.26	298.37	287.75	288.02	295.61	309.37	321.16	330.26	337.96	330.26	321.16	309.37
G 85.0	898.50	746.99	713.91	722.67	729.16	742.36	774.72	806.10	832.77	856.53	832.77	806.10	774.72
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire		Measur.		Lamp	
Code	05-9416-34-37	Code	05-9416-34-37	Code	0021312
Name	Proyector HUBBLE 50W GU10	Name	Proyector HUBBLE 50W GU10	Number	1
Line	- LEDS-C4	Date	16-07-2015	Position	Universal

Efficiency	74.65%	Coordinate system	CG	Total Flux	300.00 lm
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Maximum value	418.60 cd	Position	C=0.00 G=0.00	Sym. on planes	270-90
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Luminance cd/m2 Table 2/3

	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00
G 0.0	94748.82	94748.82	94748.82	94748.82	94748.82	94748.82	94748.82	94748.82	94748.82	94748.82	94748.82	94748.82	94748.82
G 5.0	90823.38	90418.54	90563.06	90533.91	90547.86	90892.51	91528.90	91857.82	91676.44	91261.16	90704.21	90057.46	89432.64
G 10.0	78521.75	78204.18	79720.69	80161.21	80424.52	81215.71	82005.96	82100.26	81380.31	80403.66	79966.34	79922.28	79467.44
G 15.0	67417.14	67180.29	66881.70	66068.30	65794.53	66457.63	67414.35	68040.40	68382.15	68951.17	69482.48	69070.78	67083.41
G 20.0	50231.33	51032.24	51465.30	51215.57	51041.30	51692.48	53136.60	53441.01	52766.26	53161.44	53973.10	53931.29	52459.83
G 25.0	31282.68	32258.02	33519.55	35168.26	36152.28	36402.04	36753.39	36625.53	36408.69	37231.28	37887.55	38171.93	39123.24
G 30.0	16886.32	17382.23	17938.24	18432.98	18556.65	18573.31	19175.50	19458.00	19607.42	20681.78	21457.83	21711.12	22430.48
G 35.0	9414.68	11224.98	12391.62	12527.69	12649.03	12932.70	13281.64	13536.47	13735.23	14073.45	14615.87	14973.04	14642.78
G 40.0	2248.34	2910.33	4473.54	7580.21	9213.77	9829.13	9974.45	10361.48	10823.67	11133.03	11282.53	11326.30	11364.85
G 45.0	1302.01	1497.55	1785.58	2402.88	3229.08	4128.28	4967.89	5349.49	5415.56	5669.82	5661.08	5437.10	5566.40
G 50.0	358.46	589.79	829.16	1149.43	1592.44	2186.48	2859.03	3112.46	3161.80	3244.89	3297.51	3305.86	3344.44
G 55.0	160.81	173.81	239.35	473.25	732.35	1037.56	1524.78	1883.51	1997.09	2035.35	2078.65	2106.91	2065.99
G 60.0	111.05	152.95	196.69	245.96	349.47	536.79	791.75	1037.63	1199.05	1249.57	1289.76	1350.19	1374.48
G 65.0	56.31	94.74	162.73	228.10	299.98	381.90	475.12	632.64	813.06	906.03	954.00	999.97	1043.23
G 70.0	77.83	84.44	120.26	192.12	286.99	387.53	482.79	581.68	680.82	763.62	829.24	878.49	911.30
G 75.0	147.35	140.44	148.14	193.60	282.36	401.91	530.36	661.48	784.72	886.80	976.57	1051.84	1099.57
G 80.0	295.61	288.02	287.75	298.37	366.26	489.32	624.54	799.56	995.69	1151.77	1293.33	1420.14	1498.00
G 85.0	742.36	729.16	722.67	713.91	746.99	898.50	1119.80	1372.32	1618.24	1837.07	2070.73	2289.72	2411.89
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaire		Measur.		Lamp	
Code	05-9416-34-37	Code	05-9416-34-37	Code	0021312
Name	Projector HUBBLE 50W GU10	Name	Projector HUBBLE 50W GU10	Number	1
Line	- LEDS-C4	Date	16-07-2015	Position	Universal

Efficiency	74.65%	Coordinate system	CG	Total Flux	300.00 lm
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Maximum value	418.60 cd	Position	C=0.00 G=0.00	Sym. on planes	270-90
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		Luminance cd/m2 Table 3/3									
		C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	94748.82	94748.82	94748.82	94748.82	94748.82	94748.82	94748.82	94748.82	94748.82	94748.82	94748.82
G 5.0	89190.88	89130.86	89190.88	89432.64	90057.46	90704.21	91261.16	91676.44	91857.82	91528.90	
G 10.0	79199.94	79131.22	79199.94	79467.44	79922.28	79966.34	80403.66	81380.31	82100.26	82005.96	
G 15.0	65936.23	65516.81	65936.23	67083.41	69070.78	69482.48	68951.17	68382.15	68040.40	67414.35	
G 20.0	51563.15	51233.16	51563.15	52459.83	53931.29	53973.10	53161.44	52766.26	53441.01	53136.60	
G 25.0	40380.72	41598.18	40380.72	39123.24	38171.93	37887.55	37231.28	36408.69	36625.53	36753.39	
G 30.0	23142.83	23563.08	23142.83	22430.48	21711.12	21457.83	20681.78	19607.42	19458.00	19175.50	
G 35.0	14397.56	14338.98	14397.56	14642.78	14973.04	14615.87	14073.45	13735.23	13536.47	13281.64	
G 40.0	11653.89	12209.08	11653.89	11364.85	11326.30	11282.53	11133.03	10823.67	10361.48	9974.45	
G 45.0	5703.31	5757.57	5703.31	5566.40	5437.10	5661.08	5669.82	5415.56	5349.49	4967.89	
G 50.0	3389.72	3413.81	3389.72	3344.44	3305.86	3297.51	3244.89	3161.80	3112.46	2859.03	
G 55.0	2059.54	2124.46	2059.54	2065.99	2106.91	2078.65	2035.35	1997.09	1883.51	1524.78	
G 60.0	1364.47	1337.44	1364.47	1374.48	1350.19	1289.76	1249.57	1199.05	1037.63	791.75	
G 65.0	1059.17	1062.17	1059.17	1043.23	999.97	954.00	906.03	813.06	632.64	475.12	
G 70.0	933.67	951.62	933.67	911.30	878.49	829.24	763.62	680.82	581.68	482.79	
G 75.0	1129.78	1153.65	1129.78	1099.57	1051.84	976.57	886.80	784.72	661.48	530.36	
G 80.0	1548.87	1593.95	1548.87	1498.00	1420.14	1293.33	1151.77	995.69	799.56	624.54	
G 85.0	2490.33	2569.07	2490.33	2411.89	2289.72	2070.73	1837.07	1618.24	1372.32	1119.80	
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	