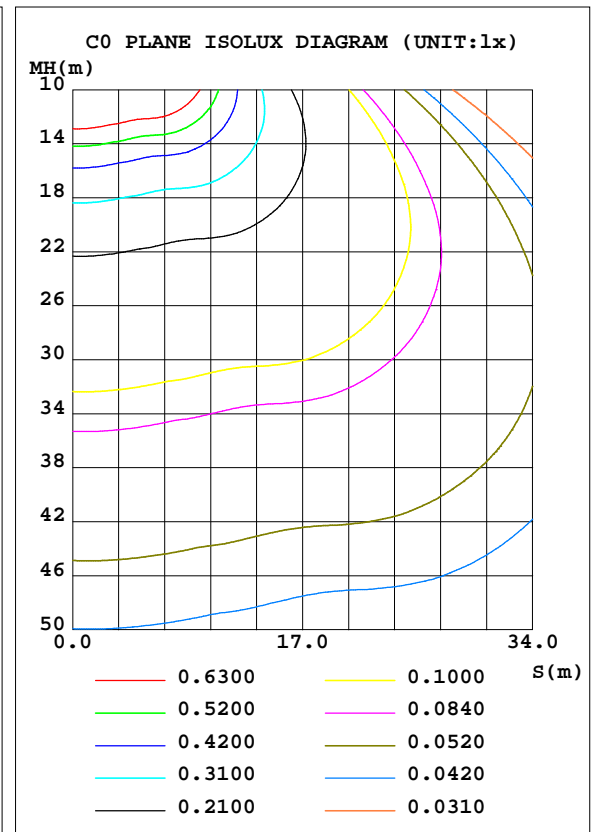
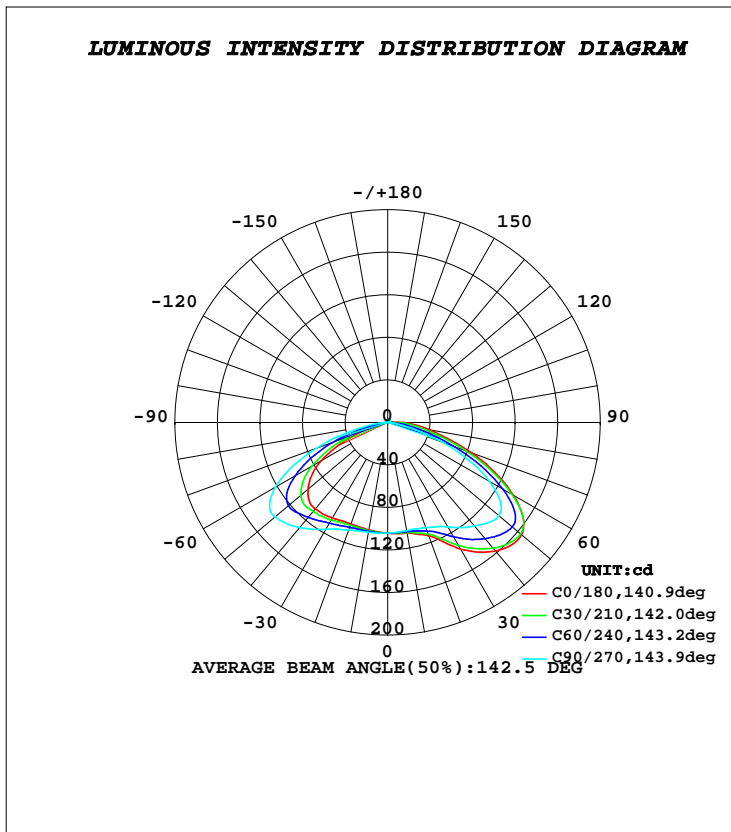


**LUMINAIRE PHOTOMETRIC TEST REPORT**

NAME: Midgard Modular Schirm 3308-1	TYPE:	WEIGHT:
SPEC.:	DIM.: a=82,5 mm; b=79,5 mm	SERIAL No.:
MFR.: Midgard	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL		Imax(cd)	166.2	S/MH(C0/180)	1.56
NOMINAL POWER(W)	8.335	LOR(%)	100.0	S/MH(C90/270)	1.86
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	532.60	η UP, DN(C0-180)	1.2, 48.4
NOMINAL FLUX(lm)	532.596	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 49.2
LAMPS INSIDE	1	η up(%)	2.5	CIBSE SHR NOM	2.00
TEST VOLTAGE(V)	230	η down(%)	97.5	CIBSE SHR MAX	0.00



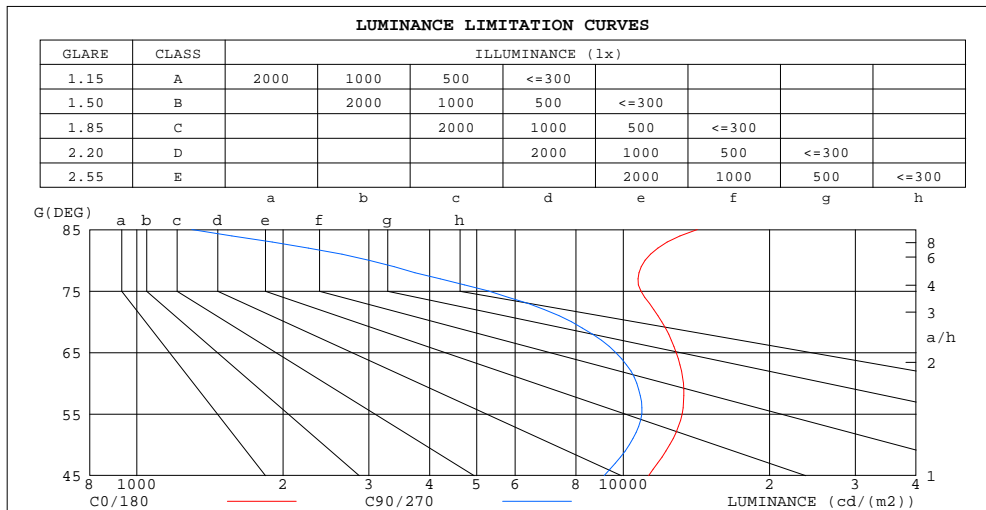
**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: JB**  
**Test Date: 20 December 2017**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.295**  
**Humidity: 65.0%**  
**Test Distance: 4.850m [K=1.0000]**  
**Remarks: Midgard Modular Schirm 3308-1**

ZONAL FLUX DIAGRAM  
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	105.9	104.8	103.3	102.5	102.6	103.7	104.9	105.8	0- 10	9.941	9.941	1.87,1.87
20	113.4	110.5	105.2	101.9	101.6	103.9	107.7	111.4	10- 20	29.86	39.80	7.47,7.47
30	137.5	129.6	113.6	104.9	103.9	107.5	116.0	128.4	20- 30	51.81	91.60	17.2,17.2
40	157.9	149.8	127.2	109.8	106.1	112.2	129.0	145.6	30- 40	78.00	169.6	31.8,31.8
50	164.4	159.4	136.5	108.4	97.82	113.3	138.4	153.7	40- 50	103.1	272.7	51.2,51.2
60	136.4	130.3	110.1	84.32	72.14	90.24	121.9	134.6	50- 60	112.2	384.9	72.3,72.3
70	84.18	73.22	55.26	37.77	28.88	46.16	71.88	84.44	60- 70	85.19	470.1	88.3,88.3
80	39.49	28.54	10.76	1.559	2.019	4.101	20.03	36.73	70- 80	38.09	508.2	95.4,95.4
90	13.73	6.154	1.363	1.469	1.836	1.895	2.300	10.42	80- 90	11.29	519.5	97.5,97.5
100	1.437	1.377	1.549	1.706	1.684	1.687	1.743	1.783	90-100	2.872	522.4	98.1,98.1
110	1.469	1.553	1.761	1.945	1.819	1.705	1.584	1.569	100-110	1.745	524.1	98.4,98.4
120	1.657	1.752	1.968	2.159	2.054	1.926	1.716	1.572	110-120	1.756	525.9	98.7,98.7
130	1.833	1.914	2.118	2.310	2.204	2.083	1.871	1.693	120-130	1.733	527.6	99.1,99.1
140	1.955	2.022	2.212	2.388	2.277	2.162	1.954	1.784	130-140	1.587	529.2	99.4,99.4
150	2.120	2.189	2.349	2.468	2.372	2.275	2.096	1.941	140-150	1.348	530.6	99.6,99.6
160	2.360	2.417	2.517	2.584	2.543	2.469	2.338	2.209	150-160	1.071	531.6	99.8,99.8
170	2.574	2.600	2.638	2.660	2.687	2.643	2.552	2.462	160-170	0.7098	532.3	100,100
180	2.734	2.731	2.698	2.661	2.736	2.729	2.699	2.661	170-180	0.2516	532.6	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	14208	1299
80	11091	3001
75	10880	5289
70	12004	7829
65	12852	9649
60	13310	10665
55	13227	10923
50	12472	10293
45	11279	9138

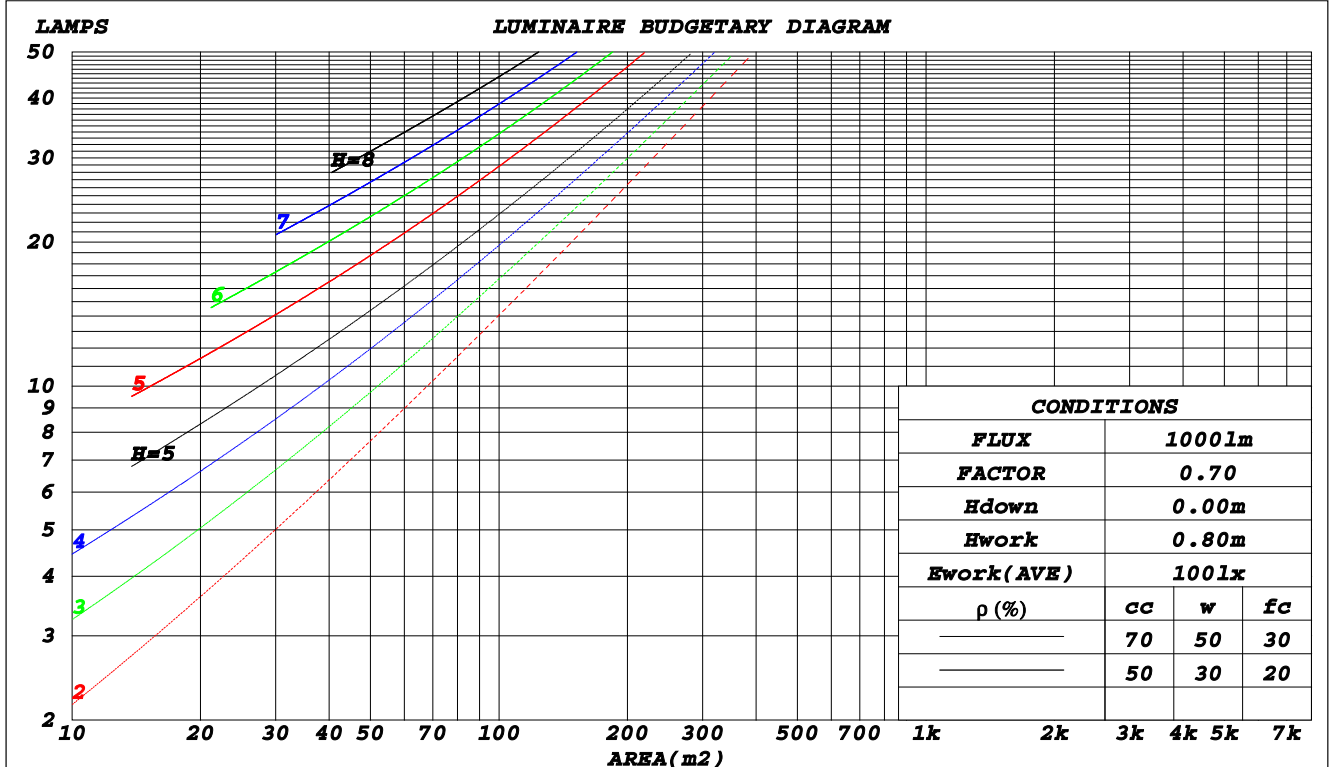
C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: JB  
Test Date: 20 December 2017

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.295  
Humidity: 65.0%  
Test Distance: 4.850m [K=1.0000]  
Remarks: Midgard Modular Schirm 3308-1

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: Midgard Modular Schirm 3308-1	TYPE:	WEIGHT:
SPEC.:	DIM.: a=82,5 mm; b=79,5 mm	SERIAL No.:
MFR.: Midgard	SUR.:	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0														
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
$\rho_{fc}$	20%			20%			20%			20%			20%			0														
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>															<b>Coefficients of Utilization(CU)</b>														
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.05	1.05	1.05	.00	.00	.00	.98														
1.0	1.02	.97	.93	.99	.95	.91	.95	.91	.88	.90	.88	.85	.86	.84	.82	.80														
2.0	.87	.80	.74	.85	.78	.73	.81	.75	.70	.77	.73	.68	.74	.70	.67	.64														
3.0	.75	.66	.59	.73	.65	.59	.70	.63	.57	.67	.61	.56	.64	.59	.55	.52														
4.0	.65	.56	.49	.64	.55	.48	.61	.53	.47	.58	.52	.46	.56	.50	.45	.43														
5.0	.58	.48	.41	.56	.47	.40	.54	.46	.40	.51	.44	.39	.49	.43	.38	.36														
6.0	.51	.41	.34	.50	.41	.34	.48	.40	.34	.46	.39	.33	.44	.38	.33	.30														
7.0	.46	.36	.30	.45	.36	.29	.43	.35	.29	.41	.34	.29	.39	.33	.28	.26														
8.0	.41	.32	.26	.40	.32	.26	.39	.31	.25	.37	.30	.25	.36	.29	.25	.23														
9.0	.37	.29	.23	.37	.28	.23	.35	.28	.22	.34	.27	.22	.33	.26	.22	.20														
10.0	.34	.26	.20	.34	.25	.20	.32	.25	.20	.31	.24	.20	.30	.24	.19	.17														



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: JB  
 Test Date: 20 December 2017

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 4.850m [K=1.0000]  
 Remarks: Midgard Modular Schirm 3308-1

WEC AND CCEC

NAME: Midgard Modular Schirm 3308-1	TYPE:	WEIGHT:
SPEC.:	DIM.: a=82,5 mm; b=79,5 mm	SERIAL No.:
MFR.: Midgard	SUR.:	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Wall Exitance Coefficients(WEC)</b>									
0.0																
1.0	.335	.190	.060	.327	.186	.059	.312	.179	.057	.298	.172	.055	.286	.166	.053	
2.0	.316	.173	.053	.309	.170	.052	.296	.164	.051	.284	.159	.050	.272	.154	.049	
3.0	.292	.156	.047	.286	.153	.046	.274	.149	.045	.263	.144	.044	.253	.140	.043	
4.0	.269	.140	.041	.264	.138	.041	.253	.134	.040	.243	.131	.039	.234	.127	.039	
5.0	.248	.126	.037	.243	.125	.036	.234	.122	.036	.225	.119	.035	.217	.116	.035	
6.0	.229	.115	.033	.225	.114	.033	.216	.111	.032	.208	.108	.032	.201	.106	.031	
7.0	.213	.105	.030	.208	.104	.030	.201	.102	.029	.194	.099	.029	.187	.097	.029	
8.0	.198	.097	.027	.194	.096	.027	.187	.094	.027	.181	.092	.026	.175	.090	.026	
9.0	.185	.089	.025	.181	.088	.025	.175	.087	.025	.169	.085	.024	.164	.083	.024	
10.0	.173	.083	.023	.170	.082	.023	.164	.080	.023	.159	.079	.022	.154	.077	.022	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
<b>RCR</b>	<b>RCR:Room Cavity Ratio</b>						<b>Ceiling Cavity Exitance Coefficients(CCEC)</b>									
0.0	.209	.209	.209	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.201	.175	.151	.172	.150	.130	.118	.103	.090	.068	.060	.052	.022	.019	.017	
2.0	.194	.151	.114	.167	.130	.099	.114	.090	.069	.066	.052	.040	.021	.017	.013	
3.0	.188	.134	.090	.161	.115	.078	.111	.080	.055	.064	.047	.032	.021	.015	.011	
4.0	.181	.121	.074	.155	.104	.065	.107	.073	.046	.062	.043	.027	.020	.014	.009	
5.0	.174	.111	.064	.149	.096	.055	.103	.067	.039	.060	.039	.023	.019	.013	.008	
6.0	.167	.102	.056	.143	.089	.049	.099	.062	.035	.057	.037	.021	.019	.012	.007	
7.0	.160	.096	.051	.138	.083	.044	.095	.058	.031	.055	.034	.019	.018	.011	.006	
8.0	.153	.090	.047	.132	.078	.041	.091	.055	.029	.053	.032	.017	.017	.011	.006	
9.0	.147	.085	.043	.127	.074	.038	.088	.052	.027	.051	.031	.016	.017	.010	.005	
10.0	.141	.081	.041	.122	.070	.036	.084	.049	.025	.049	.029	.015	.016	.010	.005	

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: JB  
 Test Date: 20 December 2017

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 4.850m [K=1.0000]  
 Remarks: Midgard Modular Schirm 3308-1

**UGR(Unified Glare Rating) Table**

NAME: Midgard Modular Schirm 3308-1					TYPE:					WEIGHT:				
SPEC.:					DIM.: a=82,5 mm; b=79,5 mm					SERIAL No.:				
MFR.: Midgard					SUR.:					Shielding Angle:				
<b>ceiling/cavity</b>	<b>0.7</b>	<b>0.7</b>	<b>0.5</b>	<b>0.5</b>	<b>0.3</b>	<b>0.7</b>	<b>0.7</b>	<b>0.5</b>	<b>0.5</b>	<b>0.3</b>				
<b>walls</b>	<b>0.5</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.5</b>	<b>0.3</b>	<b>0.3</b>				
<b>working plane</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>	<b>0.2</b>				
<b>Room dimensions</b>	<b>Viewed crosswise</b>					<b>Viewed endwise</b>								
<b>x = 2H y = 2H</b>	<b>23.2</b>	<b>24.8</b>	<b>23.5</b>	<b>25.1</b>	<b>25.3</b>	<b>22.3</b>	<b>23.9</b>	<b>22.6</b>	<b>24.2</b>	<b>24.4</b>				
<b>3H</b>	<b>24.8</b>	<b>26.3</b>	<b>25.2</b>	<b>26.6</b>	<b>26.9</b>	<b>23.5</b>	<b>25.0</b>	<b>23.9</b>	<b>25.3</b>	<b>25.6</b>				
<b>4H</b>	<b>25.4</b>	<b>26.9</b>	<b>25.8</b>	<b>27.2</b>	<b>27.5</b>	<b>23.8</b>	<b>25.2</b>	<b>24.1</b>	<b>25.5</b>	<b>25.8</b>				
<b>6H</b>	<b>25.9</b>	<b>27.3</b>	<b>26.3</b>	<b>27.6</b>	<b>27.9</b>	<b>23.8</b>	<b>25.2</b>	<b>24.2</b>	<b>25.5</b>	<b>25.8</b>				
<b>8H</b>	<b>26.2</b>	<b>27.5</b>	<b>26.6</b>	<b>27.8</b>	<b>28.1</b>	<b>23.8</b>	<b>25.1</b>	<b>24.2</b>	<b>25.4</b>	<b>25.8</b>				
<b>12H</b>	<b>26.4</b>	<b>27.6</b>	<b>26.8</b>	<b>28.0</b>	<b>28.4</b>	<b>23.8</b>	<b>25.0</b>	<b>24.2</b>	<b>25.4</b>	<b>25.7</b>				
<b>4H 2H</b>	<b>23.8</b>	<b>25.2</b>	<b>24.1</b>	<b>25.5</b>	<b>25.8</b>	<b>23.1</b>	<b>24.5</b>	<b>23.5</b>	<b>24.8</b>	<b>25.1</b>				
<b>3H</b>	<b>25.6</b>	<b>26.8</b>	<b>25.9</b>	<b>27.1</b>	<b>27.5</b>	<b>24.5</b>	<b>25.7</b>	<b>24.8</b>	<b>26.0</b>	<b>26.4</b>				
<b>4H</b>	<b>26.3</b>	<b>27.4</b>	<b>26.7</b>	<b>27.8</b>	<b>28.1</b>	<b>24.8</b>	<b>25.9</b>	<b>25.2</b>	<b>26.3</b>	<b>26.7</b>				
<b>6H</b>	<b>26.9</b>	<b>27.9</b>	<b>27.3</b>	<b>28.3</b>	<b>28.7</b>	<b>24.9</b>	<b>25.9</b>	<b>25.4</b>	<b>26.3</b>	<b>26.8</b>				
<b>8H</b>	<b>27.2</b>	<b>28.1</b>	<b>27.7</b>	<b>28.6</b>	<b>29.0</b>	<b>24.9</b>	<b>25.9</b>	<b>25.4</b>	<b>26.3</b>	<b>26.7</b>				
<b>12H</b>	<b>27.5</b>	<b>28.4</b>	<b>28.0</b>	<b>28.8</b>	<b>29.3</b>	<b>24.9</b>	<b>25.8</b>	<b>25.4</b>	<b>26.2</b>	<b>26.7</b>				
<b>8H 4H</b>	<b>26.4</b>	<b>27.3</b>	<b>26.8</b>	<b>27.7</b>	<b>28.2</b>	<b>25.1</b>	<b>26.0</b>	<b>25.5</b>	<b>26.4</b>	<b>26.9</b>				
<b>6H</b>	<b>27.2</b>	<b>28.0</b>	<b>27.7</b>	<b>28.4</b>	<b>28.9</b>	<b>25.4</b>	<b>26.1</b>	<b>25.8</b>	<b>26.6</b>	<b>27.1</b>				
<b>8H</b>	<b>27.6</b>	<b>28.3</b>	<b>28.1</b>	<b>28.8</b>	<b>29.3</b>	<b>25.4</b>	<b>26.1</b>	<b>25.9</b>	<b>26.6</b>	<b>27.1</b>				
<b>12H</b>	<b>28.1</b>	<b>28.7</b>	<b>28.6</b>	<b>29.2</b>	<b>29.7</b>	<b>25.5</b>	<b>26.0</b>	<b>26.0</b>	<b>26.5</b>	<b>27.1</b>				
<b>12H 4H</b>	<b>26.4</b>	<b>27.2</b>	<b>26.8</b>	<b>27.7</b>	<b>28.1</b>	<b>25.1</b>	<b>26.0</b>	<b>25.6</b>	<b>26.4</b>	<b>26.9</b>				
<b>6H</b>	<b>27.2</b>	<b>27.9</b>	<b>27.7</b>	<b>28.4</b>	<b>28.9</b>	<b>25.5</b>	<b>26.2</b>	<b>26.0</b>	<b>26.6</b>	<b>27.1</b>				
<b>8H</b>	<b>27.7</b>	<b>28.3</b>	<b>28.2</b>	<b>28.8</b>	<b>29.3</b>	<b>25.6</b>	<b>26.2</b>	<b>26.1</b>	<b>26.7</b>	<b>27.2</b>				
<b>Variations with the observer position at spacings:</b>														
<b>S = 1.0H</b>	<b>+ 0.1 / - 0.1</b>					<b>+ 0.1 / - 0.2</b>								
<b>1.5H</b>	<b>+ 0.3 / - 0.4</b>					<b>+ 0.5 / - 0.6</b>								
<b>2.0H</b>	<b>+ 0.2 / - 0.6</b>					<b>+ 0.4 / - 1.1</b>								

**CIE Pub.117 Corrected 532.6 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.2)**

**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:JB**  
**Test Date:20 December 2017**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.295**  
**Humidity:65.0%**  
**Test Distance:4.850m [K=1.0000]**  
**Remarks: Midgard Modular Schirm 3308-1**

**UTILIZATION FACTORS TABLE**

NAME: Midgard Modular Schirm 3308-1	TYPE:	WEIGHT:
SPEC.:	DIM.: a=82,5 mm; b=79,5 mm	SERIAL No.:
MFR.: Midgard	SUR.:	Shielding Angle:

<b>REFLECTANCE</b>										
<b>Ceiling</b>	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
<b>Walls</b>	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
<b>Working plane</b>	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
<b>ROOM INDEX</b>	<b>UTILIZATION FACTORS(PERCENT) <math>k(RI) \times RCR = 5</math></b>									
<b>k = 0.60</b>	49	37	29	49	36	29	47	36	28	21
<b>0.80</b>	60	47	39	59	47	39	57	46	38	30
<b>1.00</b>	70	57	49	68	56	49	66	58	48	40
<b>1.25</b>	77	66	58	76	65	57	73	63	56	48
<b>1.50</b>	83	72	64	81	71	63	78	69	62	54
<b>2.00</b>	91	81	74	89	80	73	85	77	71	63
<b>2.50</b>	96	87	80	93	85	79	89	82	77	67
<b>3.00</b>	99	92	85	97	90	84	92	87	82	72
<b>4.00</b>	104	98	92	101	96	91	97	92	88	78
<b>5.00</b>	107	101	97	104	99	95	99	95	92	81
<b>ROOM INDEX</b>	<b>UF(total)</b>									<b>Direct</b>
<b>According to DIN EN 13032-2 2004</b>			<b>Suspended</b>				<b>SERNOM = 1.25</b>			

**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: JB**  
**Test Date: 20 December 2017**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.295**  
**Humidity: 65.0%**  
**Test Distance: 4.850m [K=1.0000]**  
**Remarks: Midgard Modular Schirm 3308-1**

**ISOCANDELA DIAGRAM**

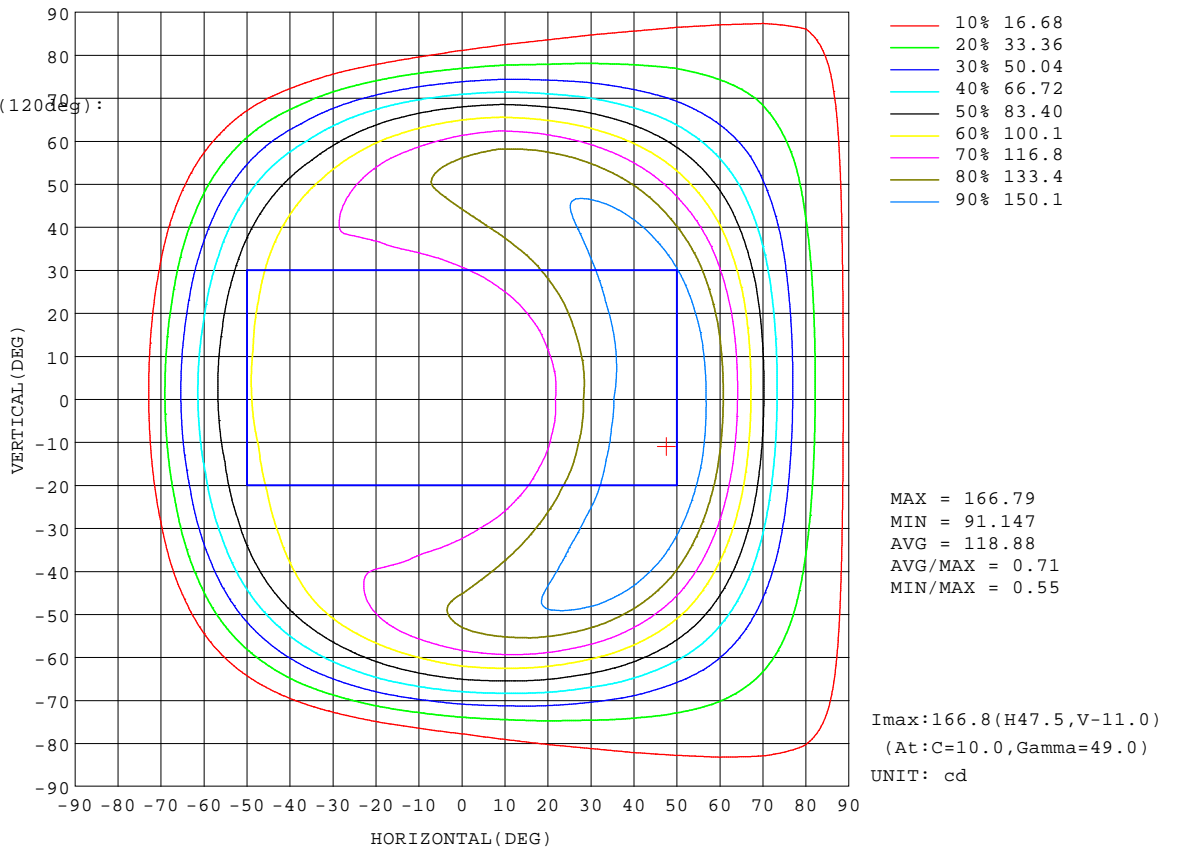
NAME: Midgard Modular Schirm 3308-1	TYPE:	WEIGHT:
SPEC.:	DIM.: a=82,5 mm; b=79,5 mm	SERIAL No.:
MFR.: Midgard	SUR.:	Shielding Angle:

Conical surface Flux(90deg):

218.45 lm  
 %lum = 41.0%  
 %lamp = 41.0%

Conical surface Flux(120deg):

384.95 lm  
 %lum = 72.3%  
 %lamp = 72.3%



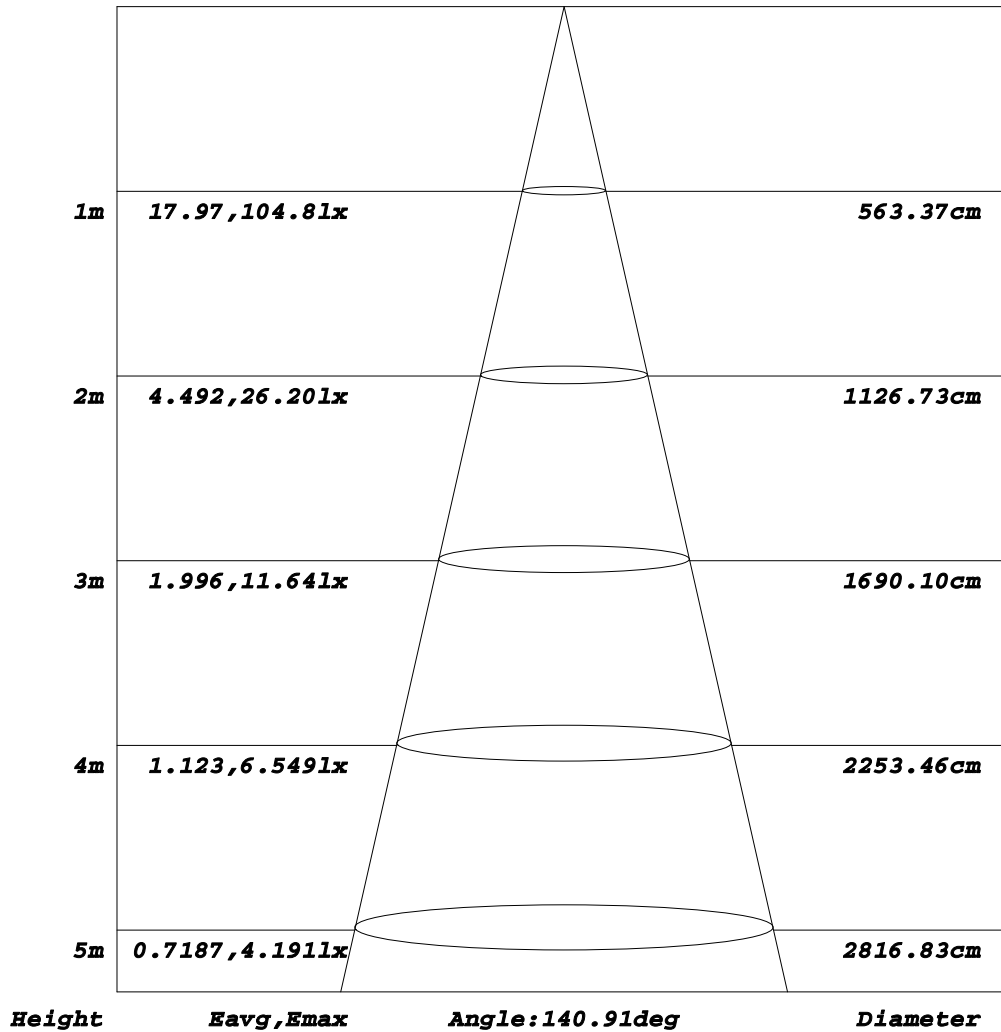
**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: JB**  
**Test Date: 20 December 2017**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.295**  
**Humidity: 65.0%**  
**Test Distance: 4.850m [K=1.0000]**  
**Remarks: Midgard Modular Schirm 3308-1**

**AAI Figure**

NAME: Midgard Modular Schirm 3308-1	TYPE:	WEIGHT:
SPEC.:	DIM.: a=82,5 mm; b=79,5 mm	SERIAL No.:
MFR.: Midgard	SUR.:	Shielding Angle:

**Flux out:476.1 lm**



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

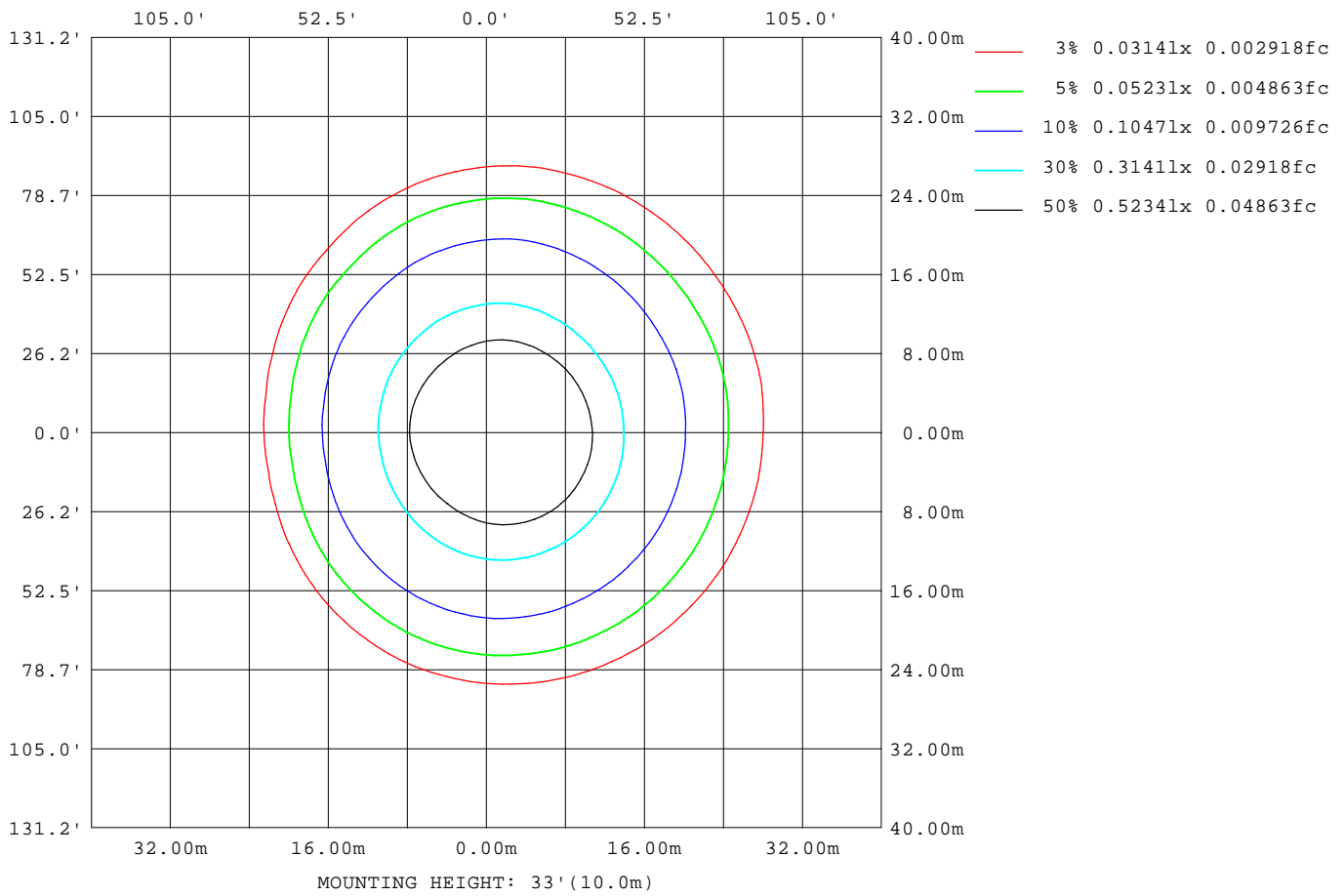
**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: JB**  
**Test Date: 20 December 2017**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.295**  
**Humidity: 65.0%**  
**Test Distance: 4.850m [K=1.0000]**  
**Remarks: Midgard Modular Schirm 3308-1**



**ISOLUX DIAGRAM**

NAME: Midgard Modular Schirm 3308-1	TYPE:	WEIGHT:
SPEC.:	DIM.: a=82,5 mm; b=79,5 mm	SERIAL No.:
MFR.: Midgard	SUR.:	Shielding Angle:



**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25.3DEG**  
**Operators: JB**  
**Test Date: 20 December 2017**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.295**  
**Humidity: 65.0%**  
**Test Distance: 4.850m [K=1.0000]**  
**Remarks: Midgard Modular Schirm 3308-1**

**LED Avg.L Report**

NAME: Midgard Modular Schirm 3308-1	TYPE:	WEIGHT:
SPEC.:	DIM.: a=82,5 mm; b=79,5 mm	SERIAL No.:
MFR.: Midgard	SUR.:	Shielding Angle:

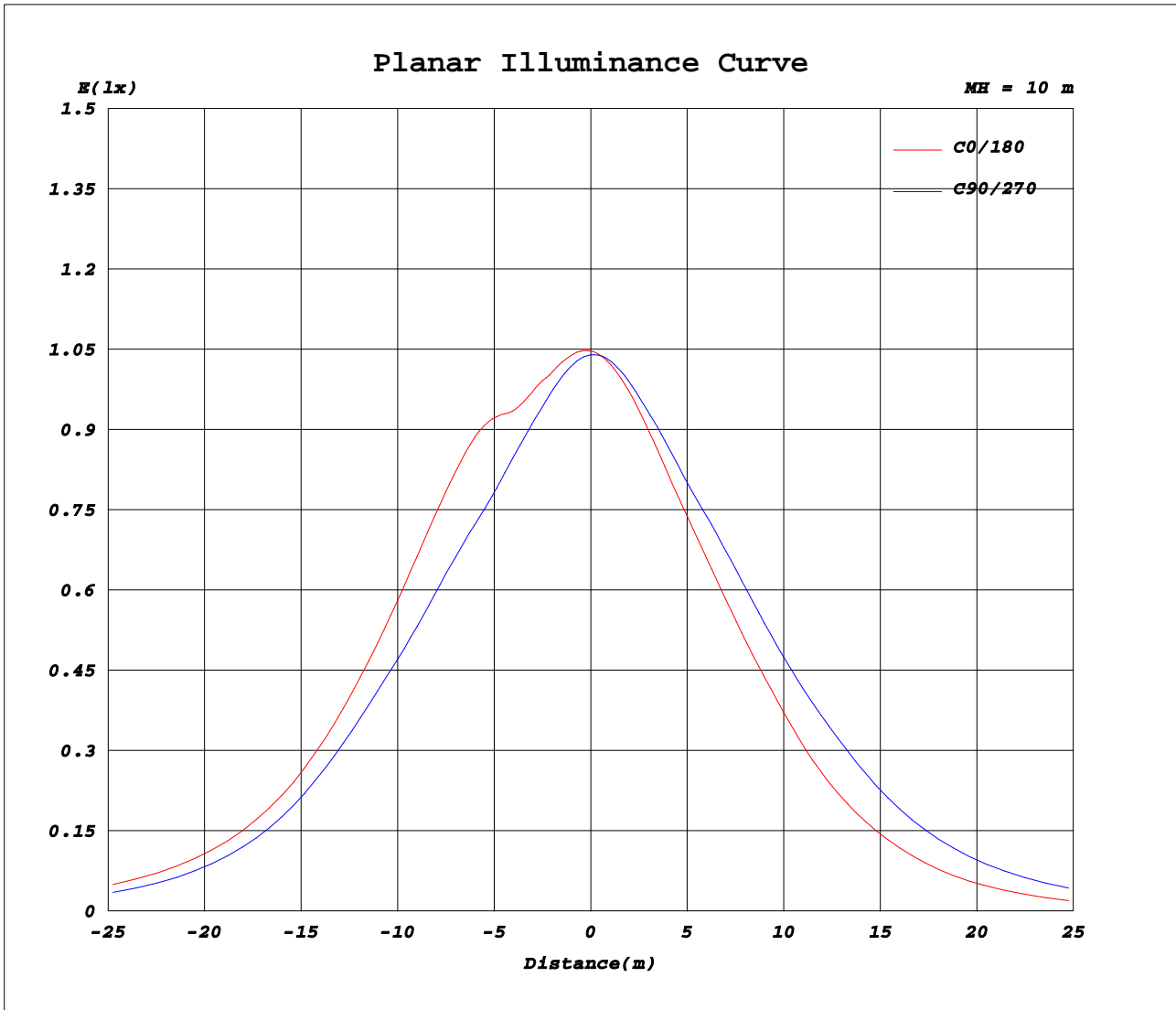
AvgL	cd/m2
L_0~180(65)av	9349
L_0~180(75)av	6218
L_0~180(85)av	7607
L_90~270(65)av	10551
L_90~270(75)av	6716
L_90~270(85)av	2590
L_45(65)av	9928
L_45(75)av	6509
L_45(85)av	5765

Standard: GB/T 29293-2012

**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:JB**  
**Test Date:20 December 2017**

**γ Range: 0 - 180DEG**  
**γ Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.295**  
**Humidity:65.0%**  
**Test Distance:4.850m [K=1.0000]**  
**Remarks: Midgard Modular Schirm 3308-1**

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: JB  
 Test Date: 20 December 2017

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.295  
 Humidity: 65.0%  
 Test Distance: 4.850m [K=1.0000]  
 Remarks: Midgard Modular Schirm 3308-1