

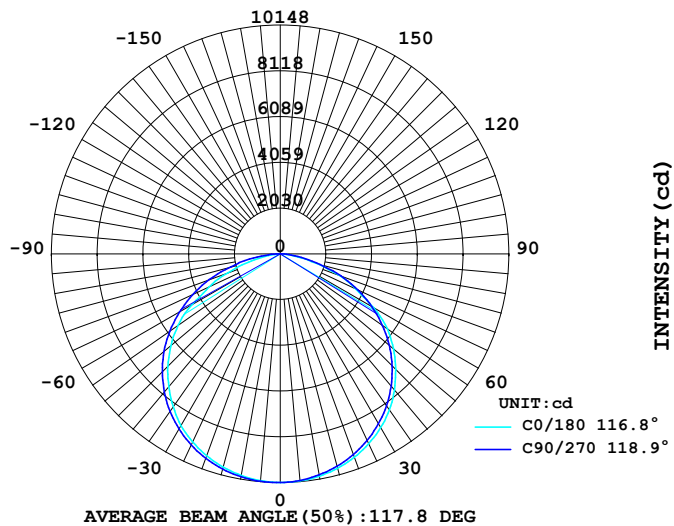
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

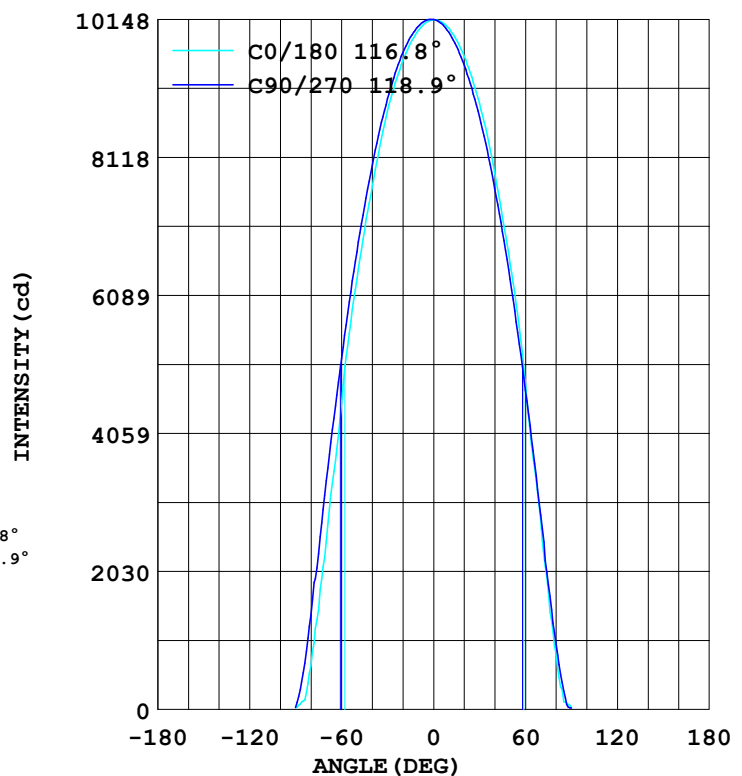
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Matilda	TYPE:IL-HB23-N20040-110	WEIGHT:
SPECIFICATION:2835LED、4000K、110deg	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	10148	S/MH (C0/180)	1.29
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.32
NOMINAL POWER(W)	200	TOTAL FLUX(lm)	30029	Voltage(V)	230.6
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	149.9	Current(A)	0.667
NOMINAL FLUX(lm)	30029.0	η up (%)	0.0	Power(W)	200.3
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.976
TEST VOLTAGE (V)	230.6	Effective Flux(lm)	30029.0	EEl	0.091

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:
 Temperature:25.3DEG
 Operators:
 Test Date:2024.11.25

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

Color Temperature Data List

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Matilda	TYPE:IL-HB23-N20040-110	WEIGHT:
SPECIFICATION:2835LED、4000K、110deg	DIMENSION:	SERIAL No.:

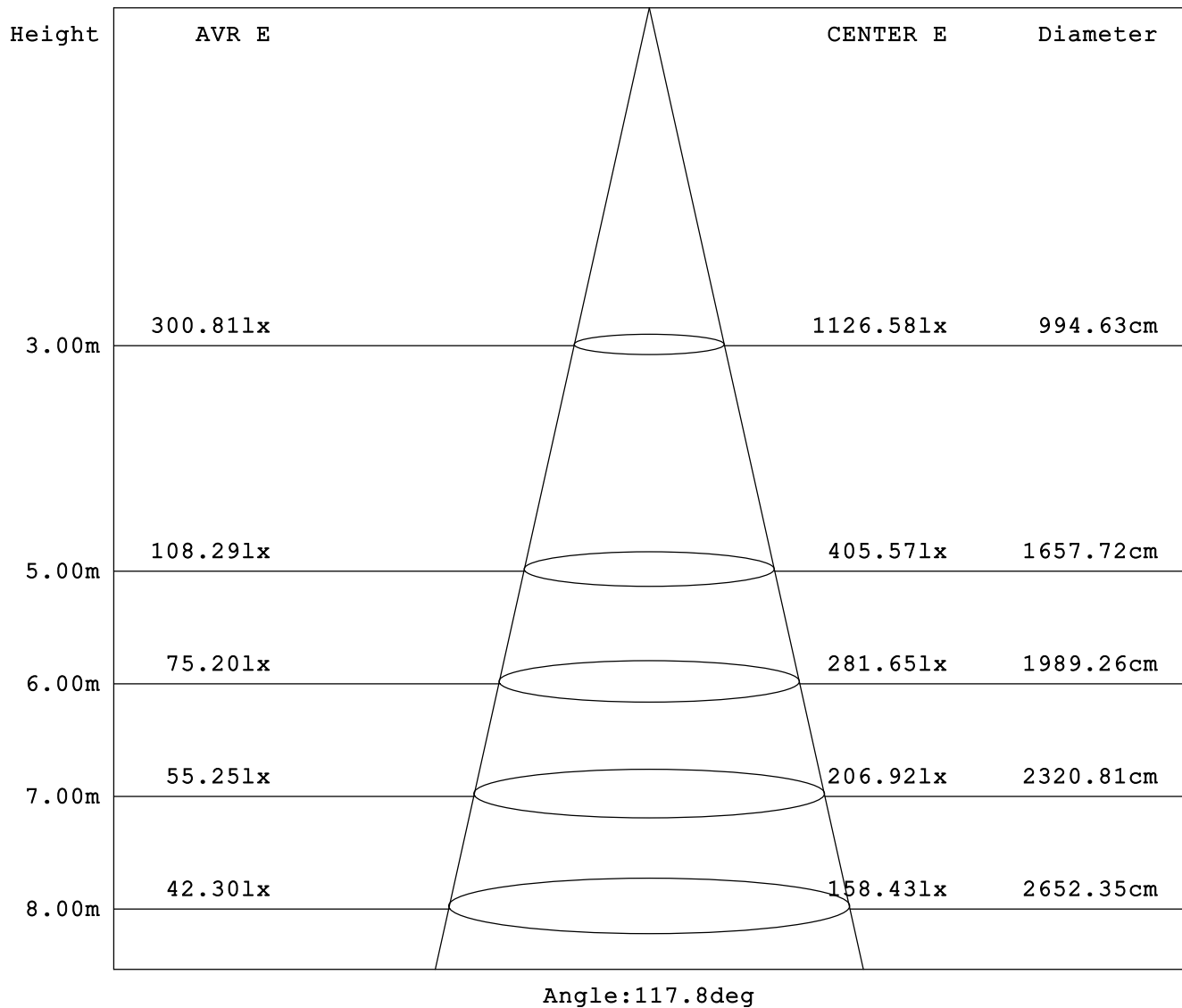
Test System:
Temperature:25.3DEG
Operators:
Test Date:2024.11.25

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Matilda	TYPE:IL-HB23-N20040-110	WEIGHT:
SPECIFICATION:2835LED、4000K、110deg	DIMENSION:	SERIAL No.:



Test System:
Temperature:25.3DEG
Operators:
Test Date:2024.11.25

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Matilda	TYPE: IL-HB23-N20040-110	WEIGHT:
SPECIFICATION: 2835LED、4000K、110deg	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1010	1010	1013	1012	1011	1010	1009	1009	0- 5	242.0	242.0
10.0	998.1	998.7	1004	1003	1002	999.7	995.5	996.5	5- 10	719.1	961.1
15.0	979.1	980.5	988.4	987.3	984.5	982.3	974.8	976.7	10- 15	1175	2137
20.0	953.7	955.6	965.4	963.8	960.3	957.3	947.9	950.3	15- 20	1598	3734
25.0	920.7	923.0	935.6	932.9	929.6	924.8	913.1	916.2	20- 25	1973	5707
30.0	880.1	882.9	897.6	895.5	890.9	886.2	871.1	874.8	25- 30	2290	7997
35.0	827.7	836.5	852.8	850.0	844.7	839.2	822.8	827.2	30- 35	2537	10534
40.0	768.8	781.5	800.4	798.2	789.3	784.8	766.2	769.4	35- 40	2704	13238
45.0	704.9	715.6	740.4	737.4	724.7	723.9	702.2	702.6	40- 45	2780	16017
50.0	633.3	645.1	672.7	667.4	655.8	653.5	632.7	631.2	45- 50	2764	18782
55.0	553.3	568.5	599.3	591.2	580.7	575.6	554.4	553.4	50- 55	2656	21438
60.0	451.2	482.2	516.6	508.4	479.6	492.1	469.4	467.5	55- 60	2441	23879
65.0	349.8	394.3	428.0	418.9	370.5	401.1	380.6	374.7	60- 65	2119	25997
70.0	247.2	281.3	336.0	305.7	276.9	287.0	285.6	259.2	65- 70	1717	27715
75.0	146.1	192.2	229.1	211.0	172.8	192.4	182.9	161.4	70- 75	1226	28941
80.0	64.09	87.32	138.4	105.6	81.91	89.43	96.27	73.01	75- 80	733.6	29675
85.0	12.49	14.80	53.99	25.86	11.59	20.13	27.10	8.131	80- 85	297.5	29972
90.0	2.713	2.277	3.090	5.200	2.838	3.098	2.277	1.733	85- 90	56.64	30029
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm	

Test System:
Temperature:25.3DEG
Operators:
Test Date:2024.11.25

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

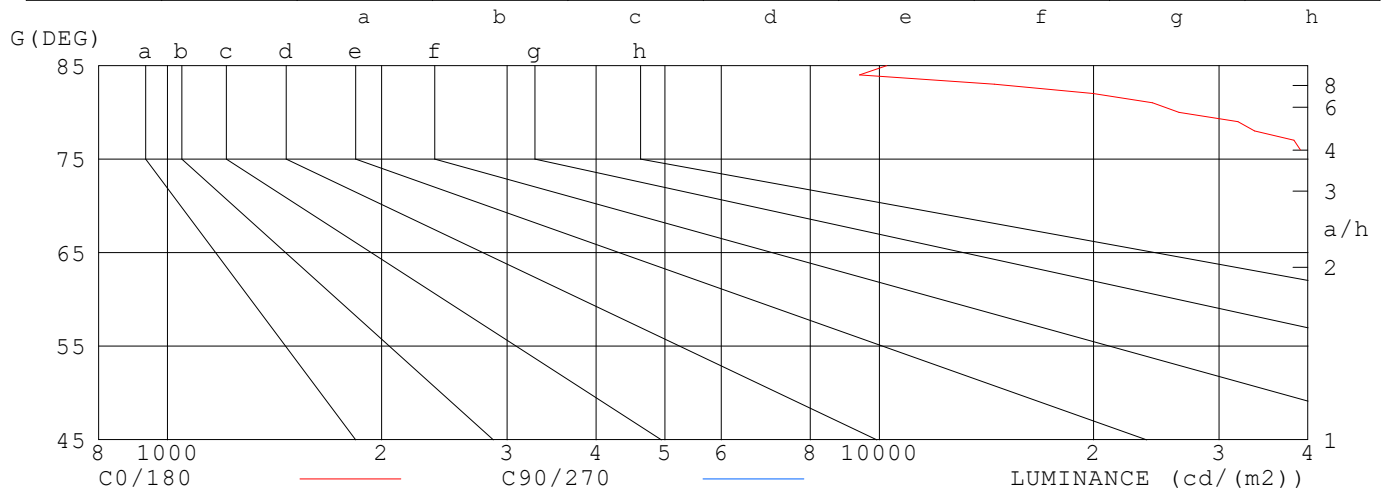
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Matilda	TYPE: IL-HB23-N20040-110	WEIGHT:
SPECIFICATION: 2835LED、4000K、110deg	DIMENSION:	SERIAL No.:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	10240	44255
80	26363	56939
75	40335	63232
70	51633	70189
65	59123	72348
60	64462	73808
55	68909	74638
50	70382	74760
45	71208	74794

Test System:
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2024.11.25

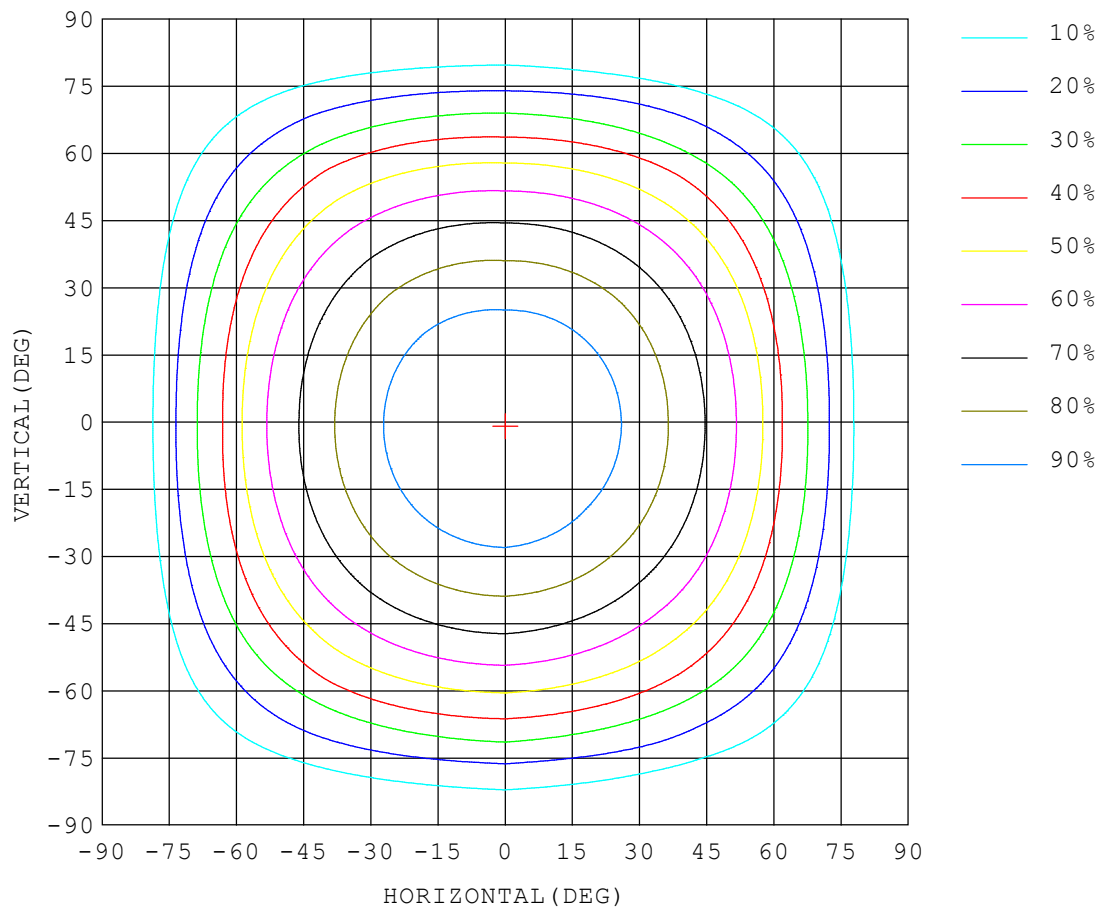
Test Set: 5.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Matilda	TYPE: IL-HB23-N20040-110	WEIGHT:
SPECIFICATION: 2835LED、4000K、110deg	DIMENSION:	SERIAL No.:

UNIT: cd



Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2024.11.25

Test Set: 5.0 deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks: