

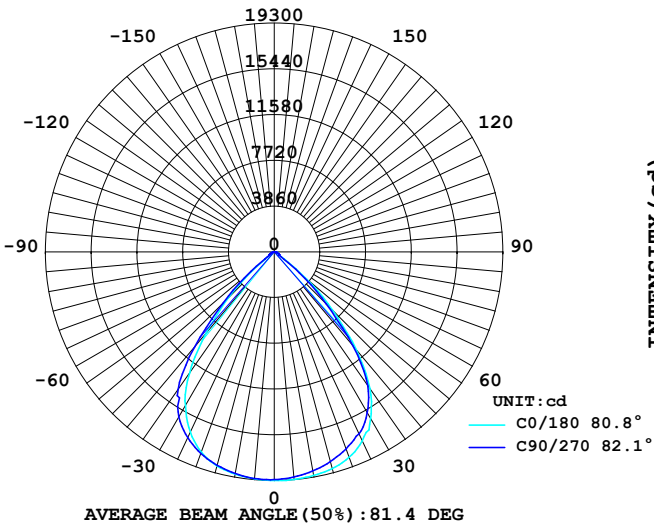
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

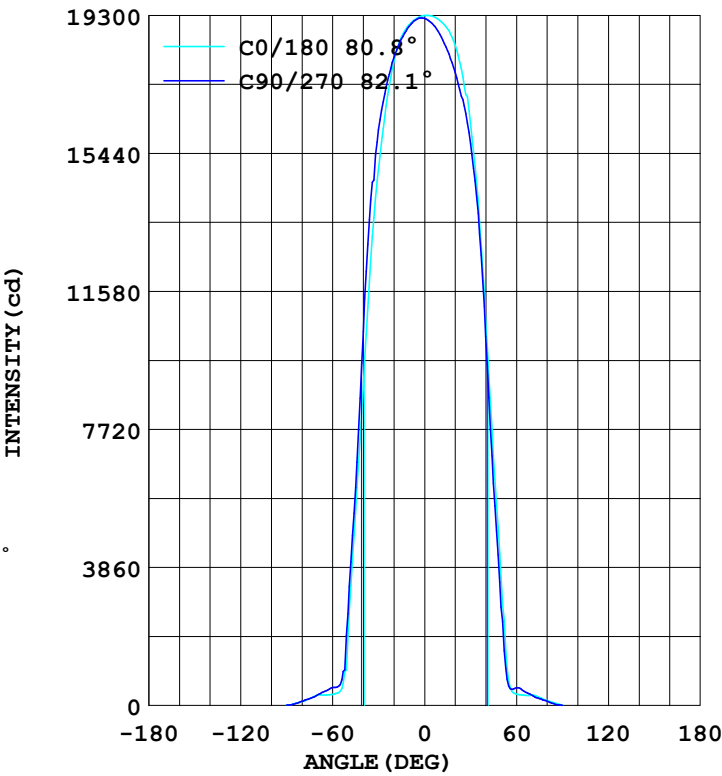
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Matilda	TYPE: IL-HB23-N20040-90	WEIGHT:
SPECIFICATION:2835LED、4000K、90deg	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	19300	S/MH (C0/180)	1.12
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.18
NOMINAL POWER(W)	200	TOTAL FLUX(lm)	29421	Voltage(V)	230.5
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	149.7	Current(A)	0.872
NOMINAL FLUX(lm)	29421.0	η up (%)	0.0	Power(W)	196.5
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.977
TEST VOLTAGE (V)	230.5	Effective Flux(lm)	29421.0	EEI	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:

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## Color Temperature Data List

Report number:

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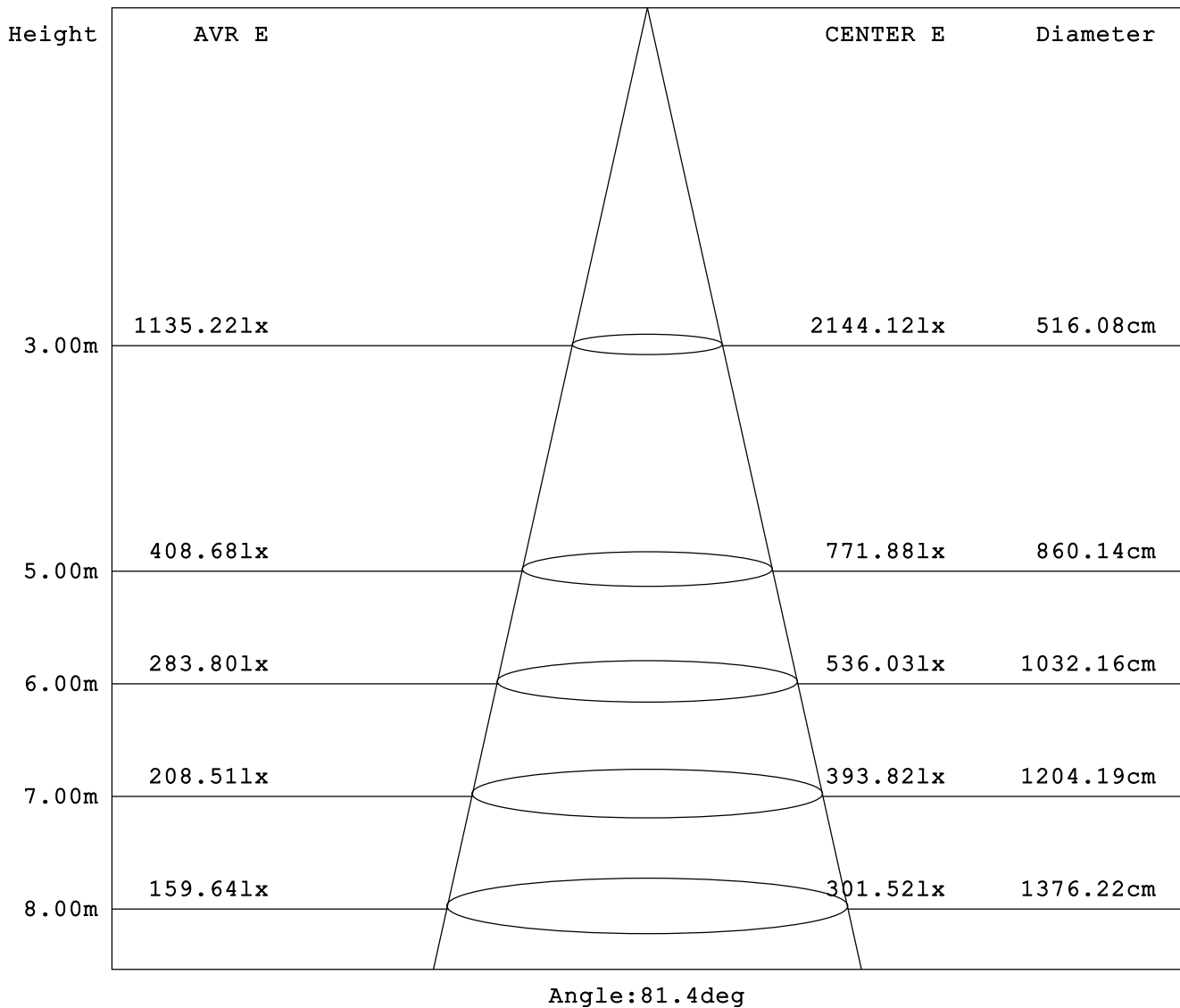
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## AVERAGE AND CENTER E Figure

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SPECIFICATION: 2835LED、4000K、90deg	DIMENSION:	SERIAL No.:



Test System:  
Temperature: 25.3DEG  
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Test Date: 2024.11.25

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## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Matilda	TYPE: IL-HB23-N20040-90	WEIGHT:
SPECIFICATION: 2835LED、4000K、90deg	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1922	1920	1919	1918	1928	1916	1907	1907	0- 5	459.1	459.1
10.0	1904	1896	1899	1904	1916	1888	1877	1886	5- 10	1364	1823
15.0	1870	1858	1864	1878	1892	1845	1831	1848	10- 15	2229	4052
20.0	1798	1800	1810	1830	1846	1788	1770	1786	15- 20	3022	7074
25.0	1677	1713	1729	1737	1758	1706	1694	1680	20- 25	3690	10764
30.0	1498	1595	1610	1595	1626	1582	1571	1516	25- 30	4171	14935
35.0	1247	1364	1414	1348	1410	1400	1376	1301	30- 35	4331	19267
40.0	891.0	985.3	1045	997.0	1076	1077	1032	979.0	35- 40	3978	23245
45.0	548.7	582.3	608.9	610.4	695.9	669.3	621.7	611.2	40- 45	2987	26232
50.0	195.0	243.9	257.2	278.6	358.2	335.5	275.5	285.0	45- 50	1812	28044
55.0	40.00	47.73	58.49	53.77	68.43	69.00	53.89	55.80	50- 55	624.0	28668
60.0	31.29	31.36	50.30	31.62	32.21	35.06	49.25	32.38	55- 60	194.4	28862
65.0	29.28	25.55	39.75	25.78	28.79	28.41	39.62	27.08	60- 65	163.4	29026
70.0	28.87	21.20	28.67	21.45	28.88	23.98	28.76	23.08	65- 70	142.8	29168
75.0	19.02	15.51	19.34	15.94	22.55	18.94	19.10	17.91	70- 75	115.9	29284
80.0	11.34	9.300	12.09	9.963	13.58	12.68	12.25	11.80	75- 80	80.12	29364
85.0	5.006	2.843	4.103	3.589	6.722	5.587	3.804	4.700	80- 85	43.68	29408
90.0	0.928	0.539	1.085	0.613	1.210	1.309	0.771	1.127	85- 90	12.79	29421
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	

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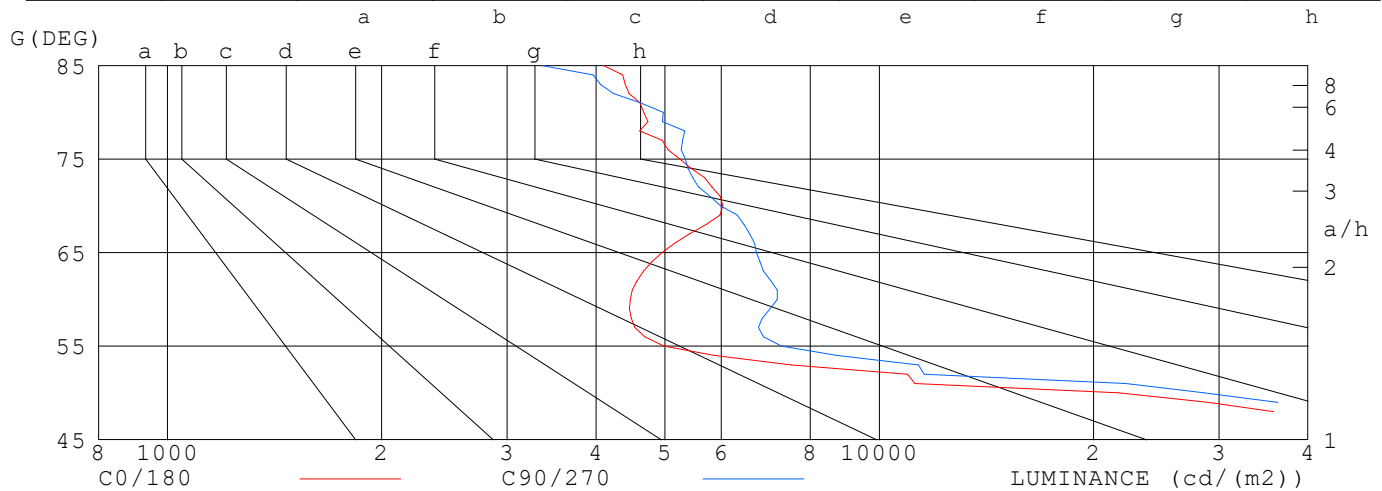
## LUMINANCE LIMITATION CURVES

Report number:

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### 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	4103	3363
80	4668	4975
75	5250	5340
70	6030	5988
65	4950	6719
60	4470	7186
55	4982	7284
50	21679	28588
45	55428	61512

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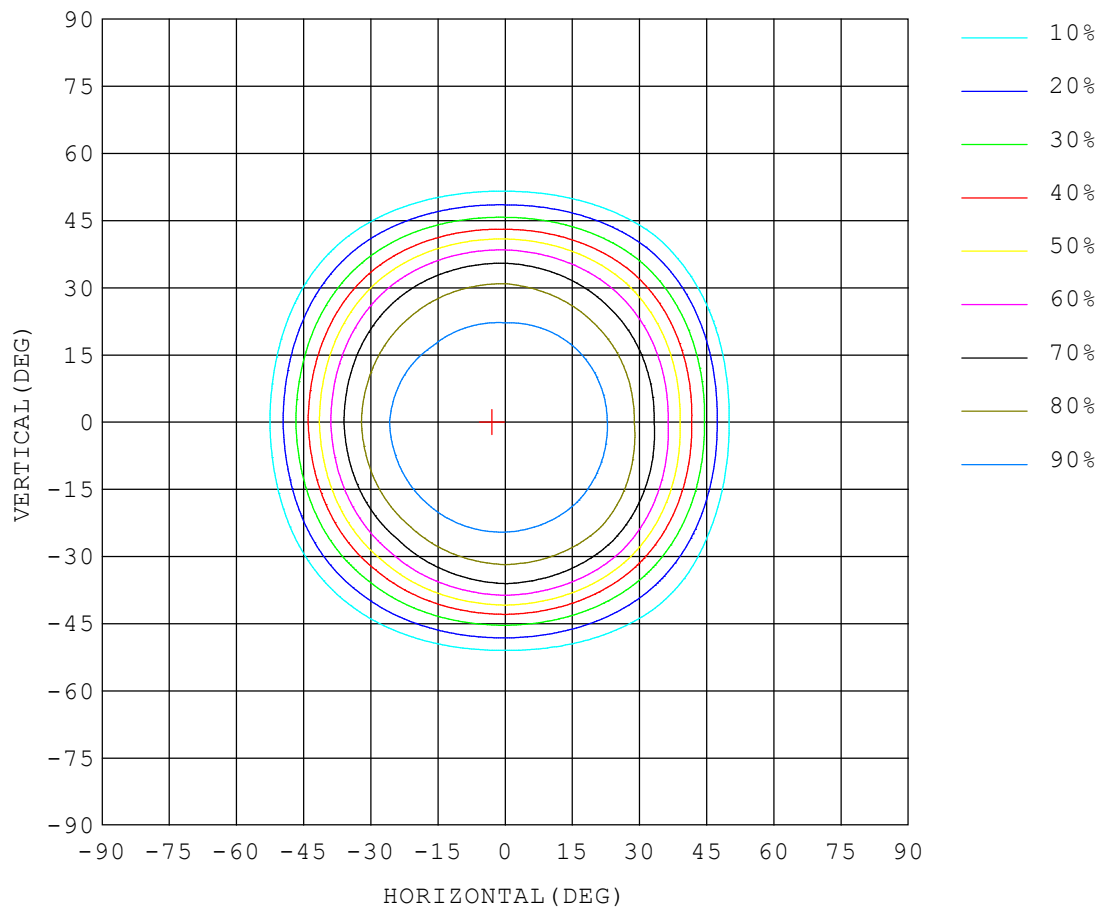
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 Remarks:

## ISOCANDELA DIAGRAM

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SPECIFICATION: 2835LED、4000K、90deg	DIMENSION:	SERIAL No.:

UNIT: cd



Test System:  
Temperature: 25.3 DEG  
Operators:  
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