

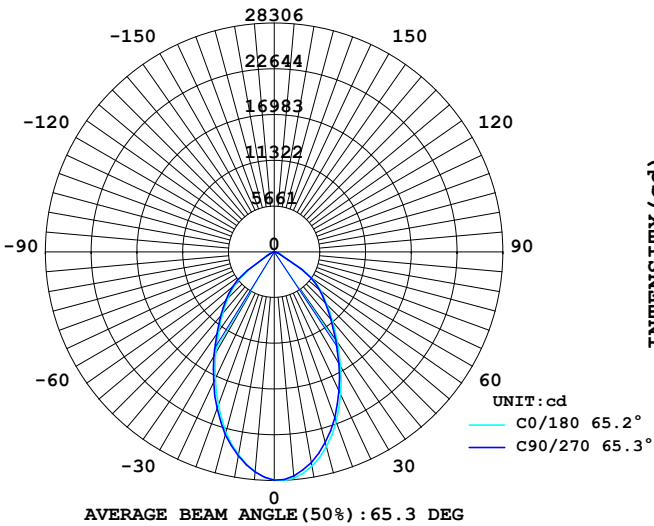
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

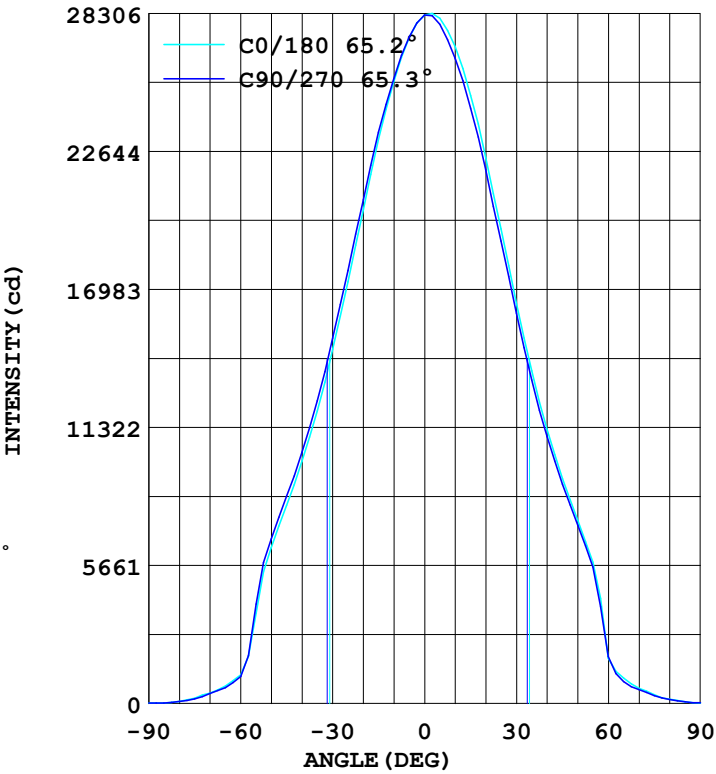
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N25040-60	WEIGHT:
SPECIFICATION: 2835LED、4000K、60DEG	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	28306	S/MH (C0/180)	0.87
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	0.89
NOMINAL POWER(W)	250	TOTAL FLUX(lm)	38708	Voltage(V)	230.3
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	154.9	Current(A)	1.099
NOMINAL FLUX(lm)	38708.4	η up (%)	0.0	Power(W)	249.9
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.987
TEST VOLTAGE (V)	230.4	Effective Flux(lm)	38708.4	EEI	0.097

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024.11.19

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:

MANUFACTURER: ILUMEN GMBH	Address:	
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SPECIFICATION: 2835LED、4000K、60DEG	DIMENSION:	SERIAL No.:

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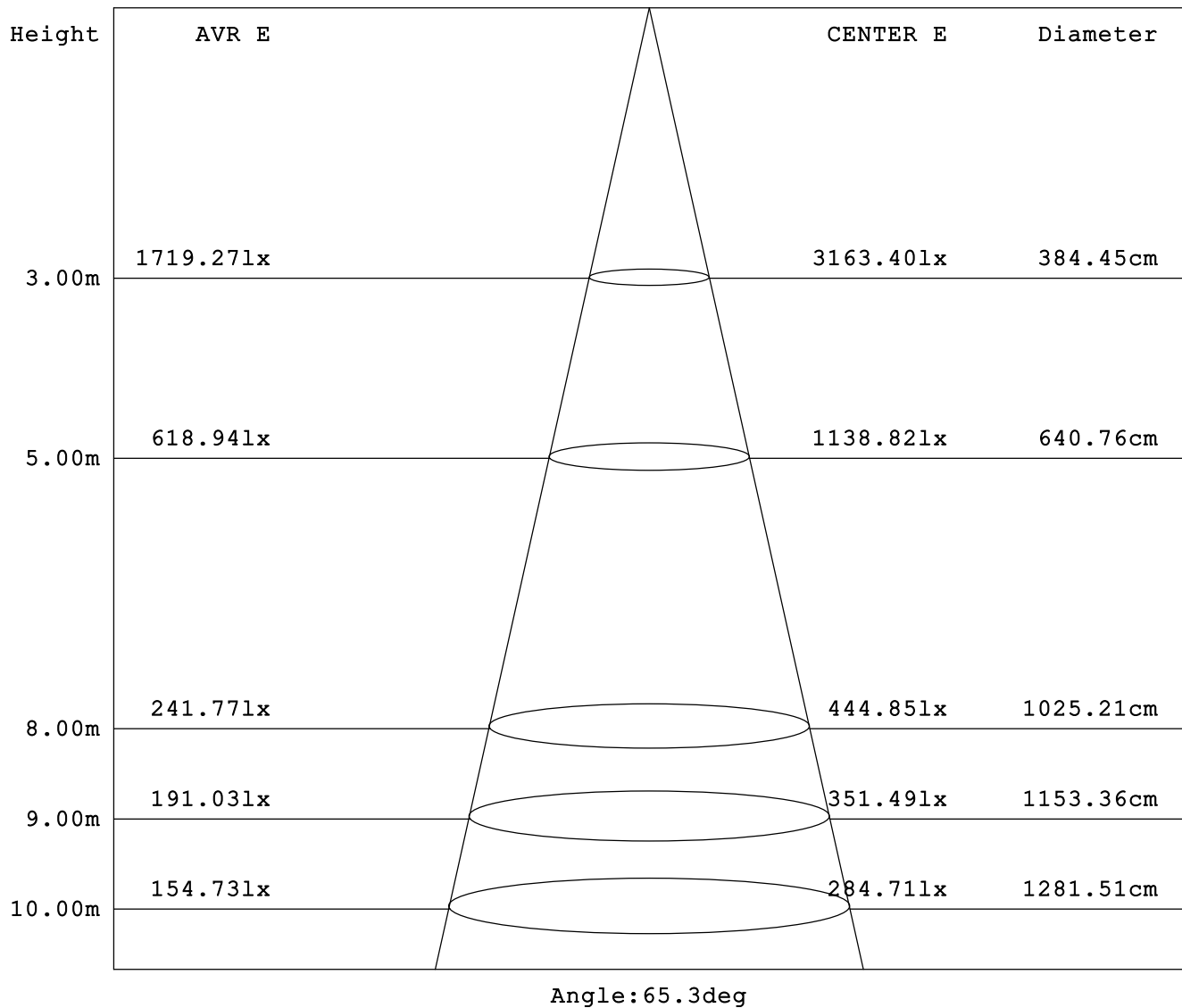
Test System:  
Temperature: 25.3DEG  
Operators:  
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## AVERAGE AND CENTER E Figure

Report number:

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SPECIFICATION: 2835LED、4000K、60DEG	DIMENSION:	SERIAL No.:



Test System:  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024.11.19

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## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N25040-60	WEIGHT:
SPECIFICATION: 2835LED、4000K、60DEG	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	2731	2733	2733	2749	2810	2801	2785	2780	0- 5	668.0	668.0
10.0	2550	2555	2562	2591	2693	2678	2645	2630	5- 10	1923	2591
15.0	2313	2320	2342	2362	2493	2480	2441	2415	10- 15	2970	5560
20.0	2025	2045	2066	2091	2241	2230	2190	2158	15- 20	3727	9288
25.0	1729	1760	1775	1811	1947	1936	1896	1867	20- 25	4156	13444
30.0	1452	1476	1498	1521	1641	1635	1601	1575	25- 30	4283	17727
35.0	1199	1219	1241	1255	1364	1354	1327	1305	30- 35	4158	21885
40.0	993.6	1012	1030	1039	1123	1112	1094	1074	35- 40	3892	25778
45.0	812.2	829.0	849.6	854.2	921.7	912.2	898.2	883.0	40- 45	3562	29340
50.0	638.5	660.7	674.4	687.0	750.4	742.7	730.9	717.8	45- 50	3170	32509
55.0	371.0	498.1	407.0	522.0	579.8	581.7	559.6	555.1	50- 55	2646	35155
60.0	117.4	307.3	110.7	333.7	185.6	413.8	192.4	384.1	55- 60	1754	36910
65.0	71.77	125.9	64.72	141.3	104.8	225.6	89.64	198.4	60- 65	917.6	37827
70.0	43.29	56.76	40.69	62.43	62.40	83.38	57.13	77.86	65- 70	454.1	38281
75.0	21.29	31.08	19.30	34.58	36.10	42.89	32.66	39.71	70- 75	238.0	38519
80.0	9.190	11.94	7.955	13.79	18.14	20.36	16.56	18.04	75- 80	122.2	38642
85.0	2.525	3.721	2.239	4.227	7.081	5.948	6.717	5.337	80- 85	49.35	38691
90.0	2.264	2.646	1.712	2.642	2.603	2.017	2.713	2.061	85- 90	17.47	38708
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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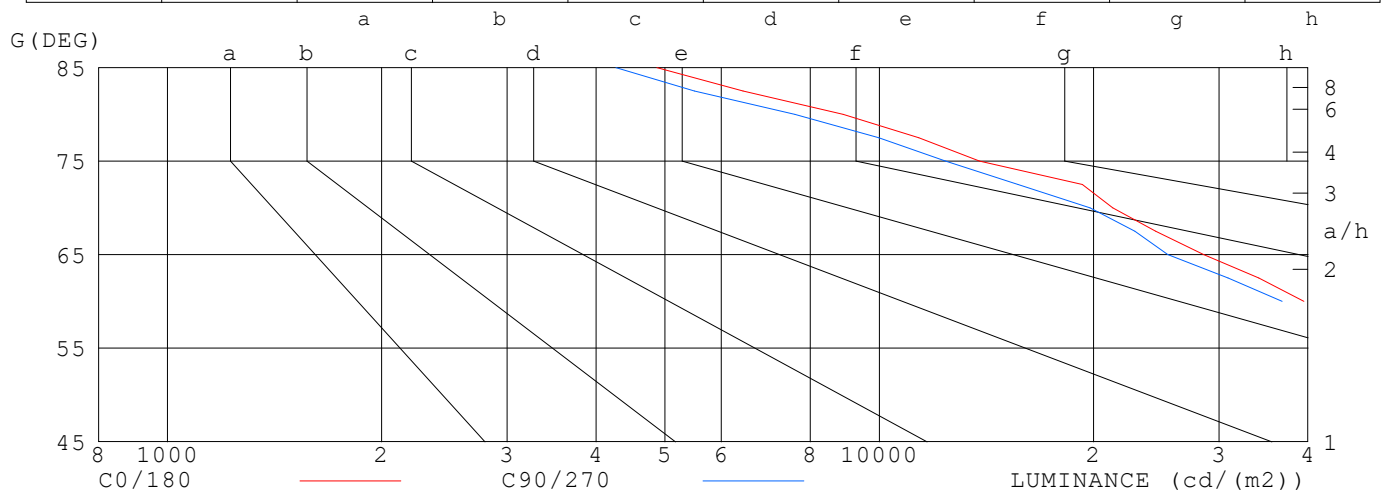
## LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
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SPECIFICATION: 2835LED、4000K、60DEG	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	4869	4267
80	8894	7609
75	13828	12391
70	21273	19764
65	28542	25436
60	39481	36795
55	108704	117857
50	166950	174274
45	193040	199574

Test System:  
 Temperature: 25.3 DEG  
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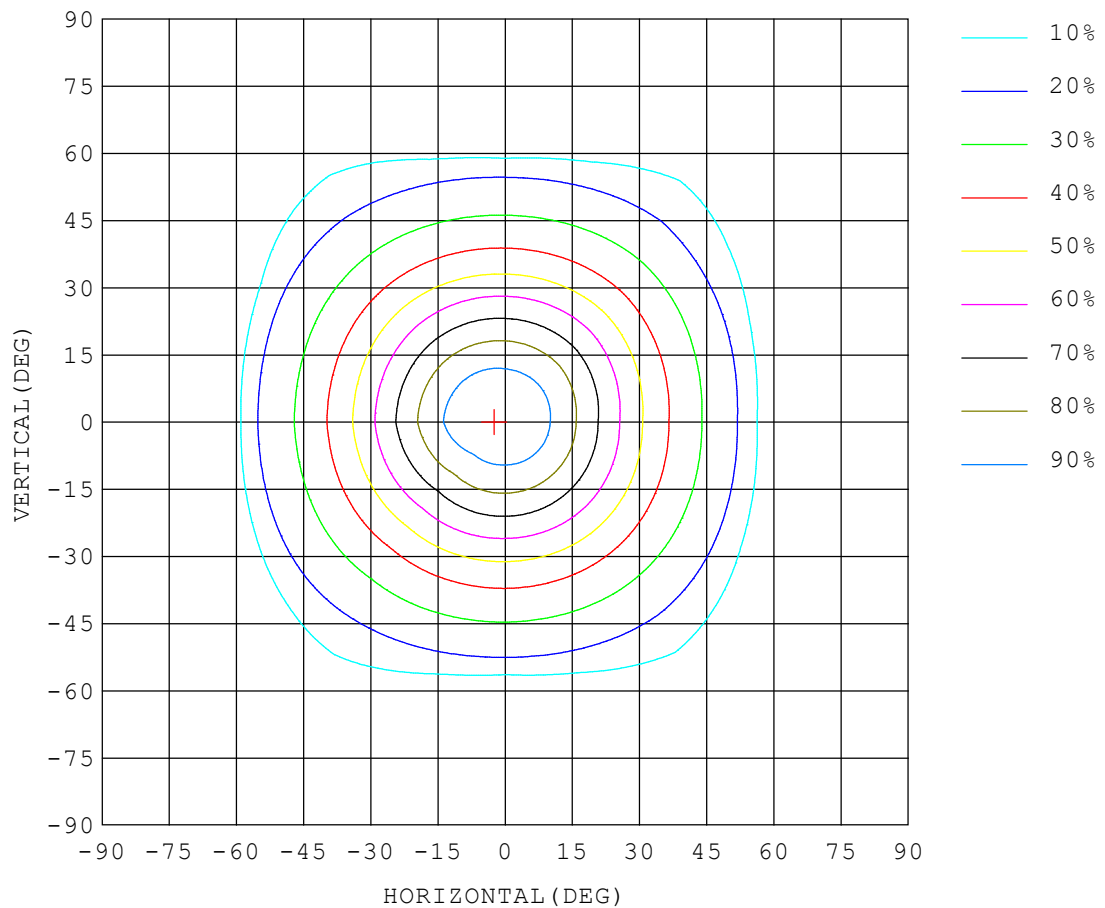
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 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks:

## ISOCANDELA DIAGRAM

Report number:

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NAME: Klose	TYPE: IL-FL19-N25040-60	WEIGHT:
SPECIFICATION: 2835LED、4000K、60DEG	DIMENSION:	SERIAL No.:

UNIT: cd



Test System:  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2024.11.19

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