

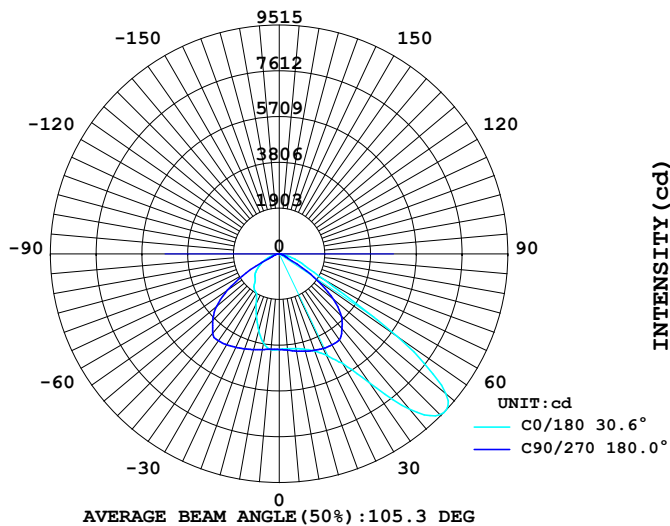
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

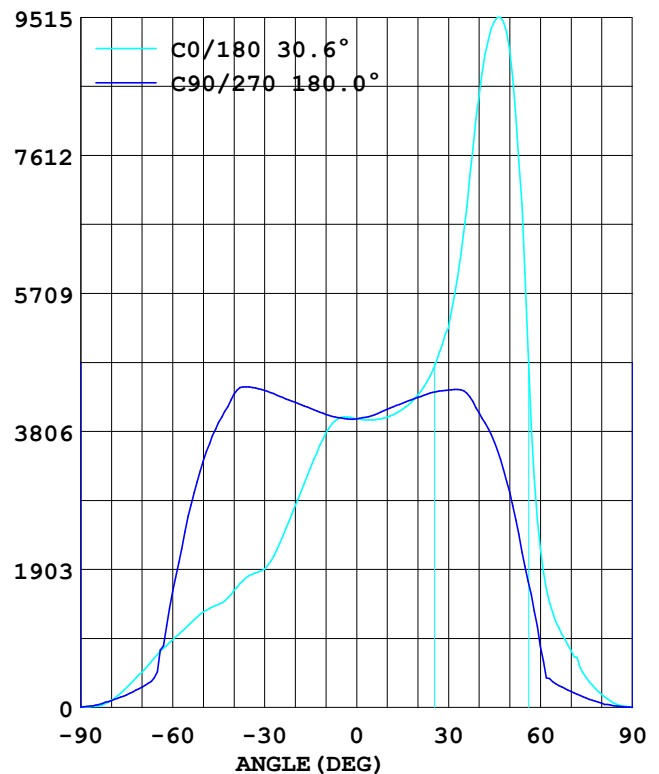
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N9040-P45	WEIGHT:
SPECIFICATION: 2835LED、4000K、P45DEG	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	9597	S/MH (C0/180)	0.83
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.63
NOMINAL POWER(W)	90	TOTAL FLUX(lm)	13029	Voltage(V)	230.3
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	144.8	Current(A)	0.396
NOMINAL FLUX(lm)	13029.0	$\eta$ up (%)	0.0	Power(W)	89.98
LAMPS QUANTITY	1	$\eta$ down (%)	100.0	Power Factor (PF)	0.987
TEST VOLTAGE (V)	230.4	Effective Flux(lm)	13029.0	EEI	0.103

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2024.11.20

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:	
NAME: Klose	TYPE: IL-FL19-N9040-P45	WEIGHT:
SPECIFICATION: 2835LED、4000K、P45DEG	DIMENSION:	SERIAL No.:

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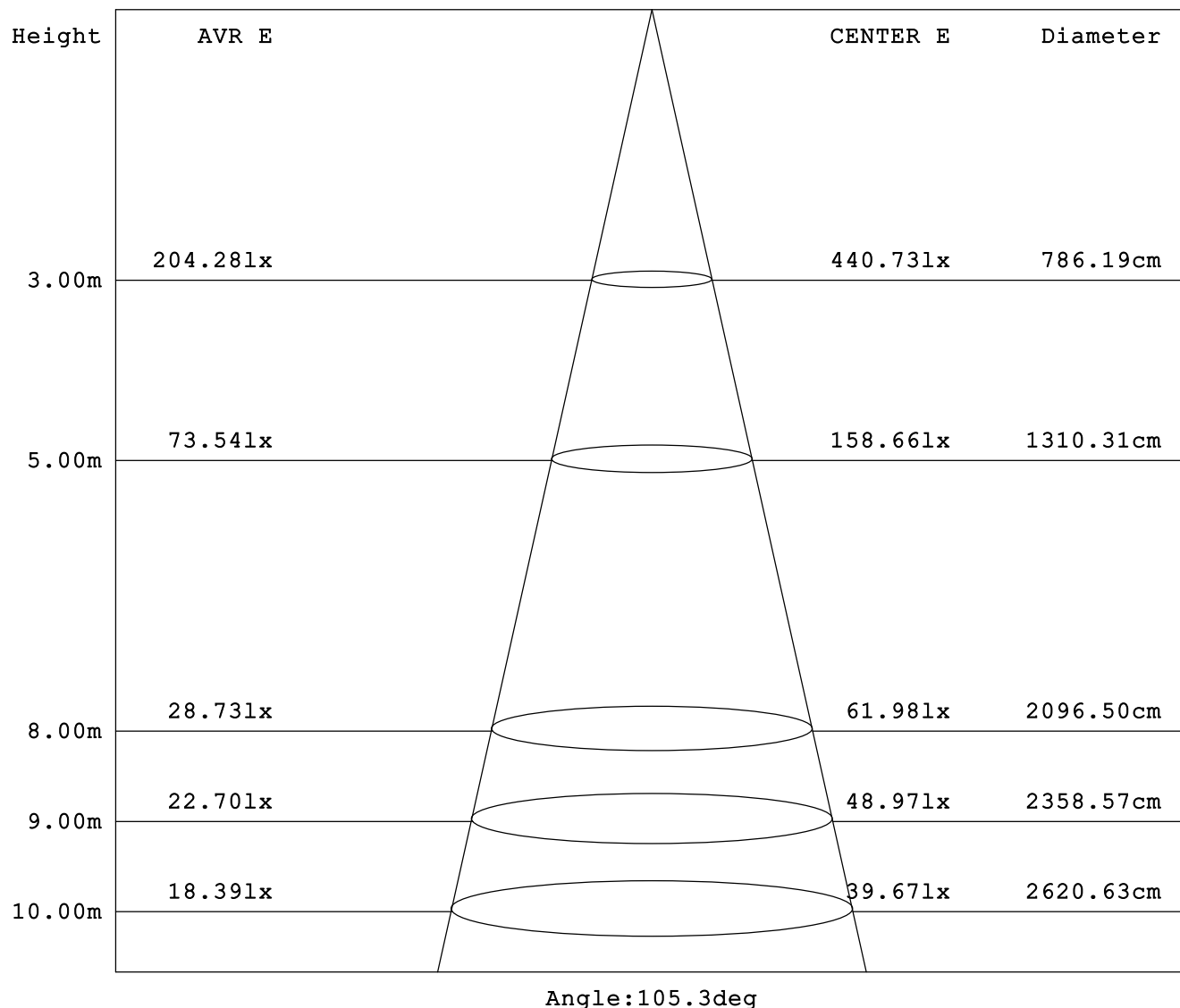
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Operators:  
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## AVERAGE AND CENTER E Figure

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SPECIFICATION: 2835LED、4000K、P45DEG	DIMENSION:	SERIAL No.:



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## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N9040-P45	WEIGHT:
SPECIFICATION: 2835LED、4000K、P45DEG	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	4000	4017	3990	3972	3964	3976	4024	4019	0- 5	95.38	95.38
10.0	3783	3893	4042	4022	4003	4028	4113	3942	5- 10	285.6	381.0
15.0	3301	3505	4125	4132	4110	4145	4197	3710	10- 15	468.6	849.7
20.0	2785	3014	4206	4325	4305	4374	4273	3308	15- 20	637.9	1488
25.0	2272	2509	4289	4618	4654	4774	4345	2823	20- 25	796.7	2284
30.0	1910	2003	4371	5044	5234	5448	4377	2318	25- 30	958.2	3243
35.0	1820	1719	4419	5651	6554	6502	4368	1824	30- 35	1151	4394
40.0	1611	1543	4319	6256	8430	8073	4061	1424	35- 40	1394	5788
45.0	1422	1260	3928	6665	9459	9077	3655	1164	40- 45	1611	7399
50.0	1316	1091	3395	6254	9043	8717	2965	904.8	45- 50	1682	9081
55.0	1130	961.4	2635	5045	6001	6771	1947	713.3	50- 55	1485	10566
60.0	932.4	783.9	1608	3702	2203	3915	849.9	579.0	55- 60	1036	11602
65.0	730.9	604.7	493.7	2524	1188	2020	329.9	444.4	60- 65	676.2	12278
70.0	482.0	410.0	282.4	1266	786.1	892.6	220.6	294.8	65- 70	414.5	12693
75.0	274.0	225.8	176.2	277.8	413.8	290.6	129.4	149.0	70- 75	204.5	12897
80.0	100.8	85.35	95.96	132.3	179.4	118.7	60.71	56.45	75- 80	90.76	12988
85.0	16.92	15.70	33.49	40.59	41.73	36.79	19.27	13.21	80- 85	33.24	13021
90.0	5.721	3.859	7.083	8.764	4.831	5.504	4.301	3.956	85- 90	7.640	13029
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:cd									UNIT:lm	

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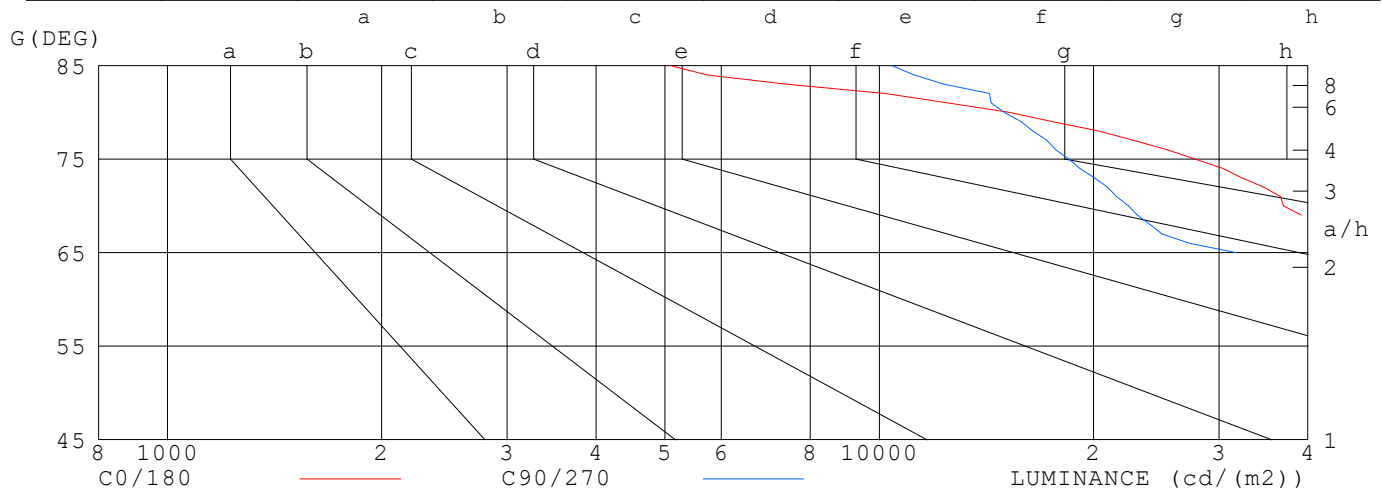
## LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N9040-P45	WEIGHT:
SPECIFICATION: 2835LED、4000K、P45DEG	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	5093	10419
80	15231	14980
75	27773	18464
70	36967	22386
65	45359	31670
60	48909	87161
55	51691	124559
50	53704	143159
45	52737	150596

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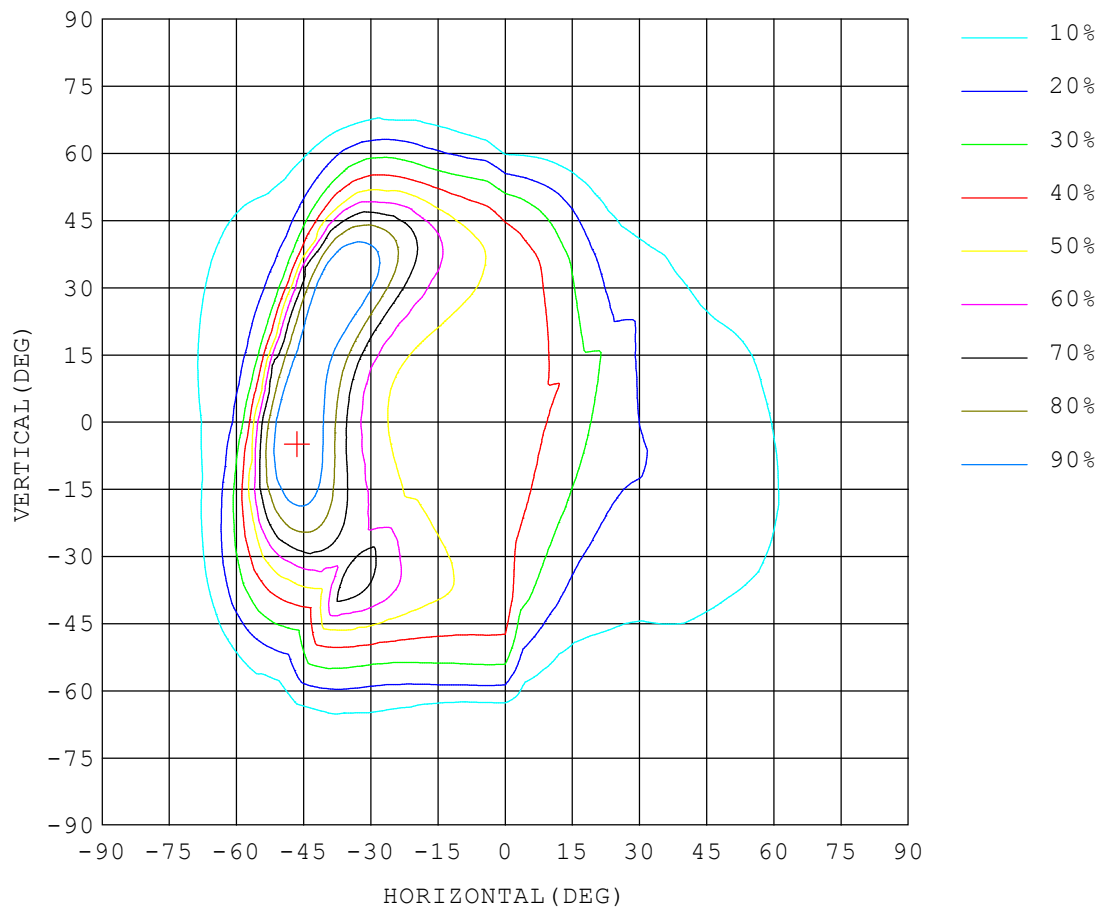
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 Test Distance: 10.000 m  
 Remarks:

## ISOCANDELA DIAGRAM

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NAME: Klose	TYPE: IL-FL19-N9040-P45	WEIGHT:
SPECIFICATION: 2835LED、4000K、P45DEG	DIMENSION:	SERIAL No.:

UNIT: cd



Test System:  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2024.11.20

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Humidity: 65.0%  
Test Distance: 10.000 m  
Remarks: