

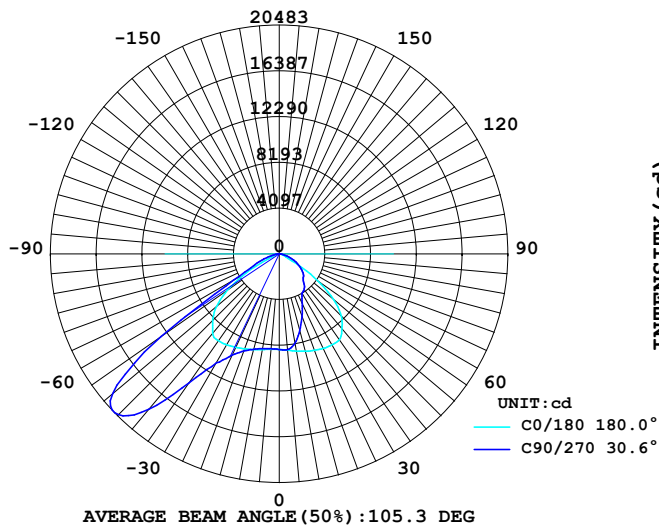
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

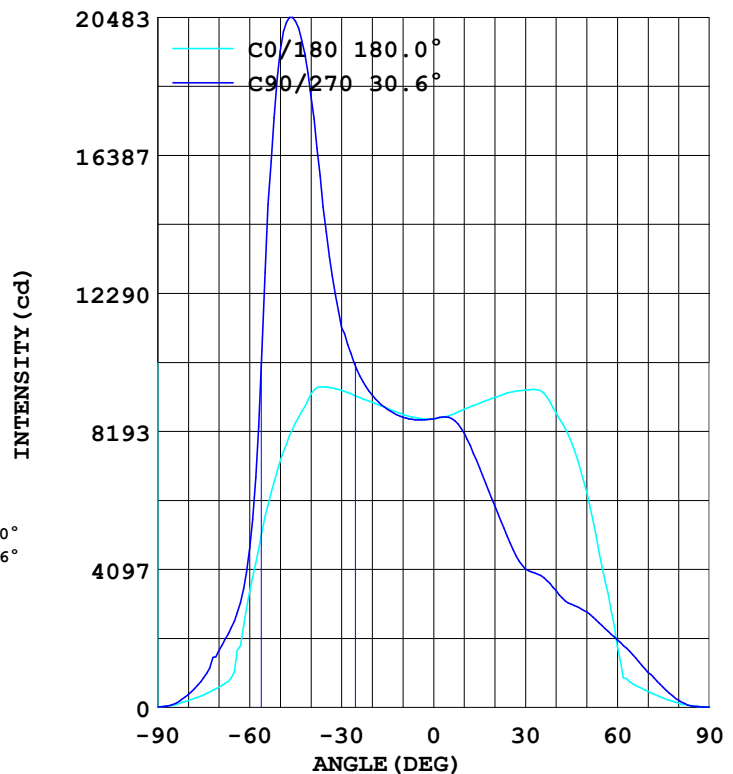
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N20040-P45	WEIGHT:
SPECIFICATION: 2835LED、4000K、P45DEG	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	20660	S/MH (C0/180)	1.63
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	2.06
NOMINAL POWER(W)	200	TOTAL FLUX(lm)	28049	Voltage(V)	230.3
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	139.7	Current(A)	0.883
NOMINAL FLUX(lm)	28049.0	$\eta$ up (%)	0.0	Power(W)	200.8
LAMPS QUANTITY	1	$\eta$ down (%)	100.0	Power Factor (PF)	0.987
TEST VOLTAGE (V)	230.4	Effective Flux(lm)	0.0	EEI	0.000

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2024.11.21

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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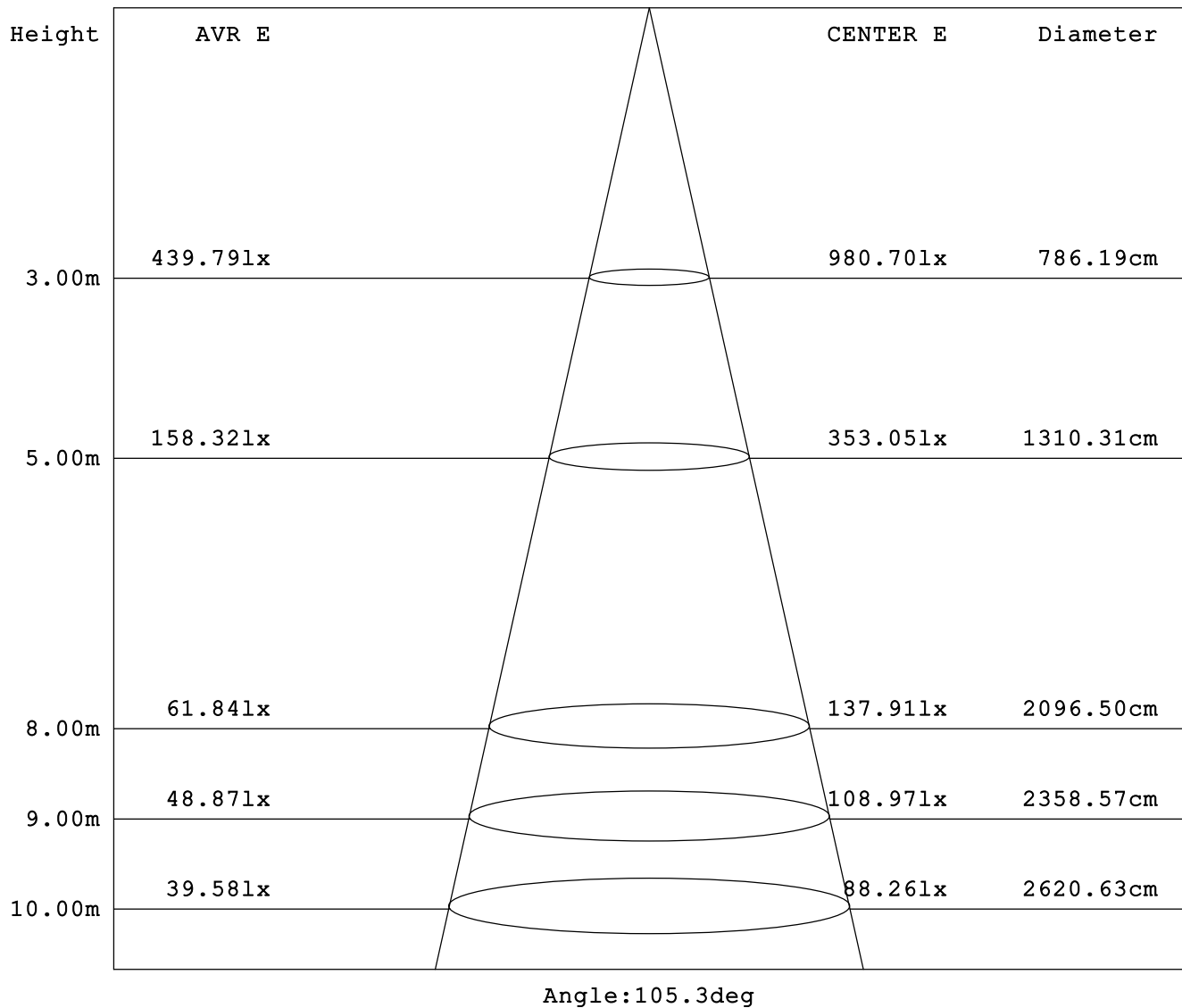
Test System:  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024.11.21

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Remarks:

## AVERAGE AND CENTER E Figure

Report number:

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



Test System:  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024.11.21

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Remarks:

## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N20040-P45	WEIGHT:
SPECIFICATION: 2835LED、4000K、P45DEG	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	859.0	855.1	853.4	855.9	866.3	865.1	861.1	864.7	0- 5	205.3	205.3
10.0	870.1	865.7	861.7	867.2	885.4	848.6	814.3	838.0	5- 10	615.0	820.3
15.0	888.0	889.6	884.7	892.3	903.5	798.7	710.6	754.5	10- 15	1009	1829
20.0	905.4	931.0	926.7	941.6	919.8	712.2	599.5	648.8	15- 20	1373	3203
25.0	923.3	994.2	1002	1028	935.3	607.8	489.0	540.1	20- 25	1715	4918
30.0	940.9	1086	1127	1173	942.2	499.0	411.2	431.1	25- 30	2063	6981
35.0	951.2	1217	1411	1400	940.4	392.7	391.8	370.1	30- 35	2478	9459
40.0	929.8	1347	1815	1738	874.1	306.4	346.7	332.1	35- 40	3001	12461
45.0	845.6	1435	2036	1954	786.8	250.5	306.0	271.1	40- 45	3468	15928
50.0	730.7	1346	1947	1877	638.3	194.7	283.3	234.7	45- 50	3621	19549
55.0	567.3	1086	1292	1458	419.0	153.5	243.3	206.9	50- 55	3198	22747
60.0	346.0	797.0	474.1	842.7	182.9	124.6	200.7	168.7	55- 60	2230	24977
65.0	106.2	543.3	255.8	434.9	71.03	95.67	157.3	130.1	60- 65	1456	26433
70.0	60.80	272.6	169.2	192.1	47.50	63.48	103.7	88.28	65- 70	892.4	27325
75.0	37.95	59.81	89.09	62.56	27.86	32.09	59.00	48.61	70- 75	440.3	27766
80.0	20.65	28.49	38.64	25.56	13.07	12.15	21.71	18.37	75- 80	195.3	27961
85.0	7.211	8.739	8.985	7.921	4.148	2.845	3.643	3.381	80- 85	71.56	28033
90.0	1.524	1.886	1.040	1.185	0.926	0.852	1.231	0.831	85- 90	16.44	28049
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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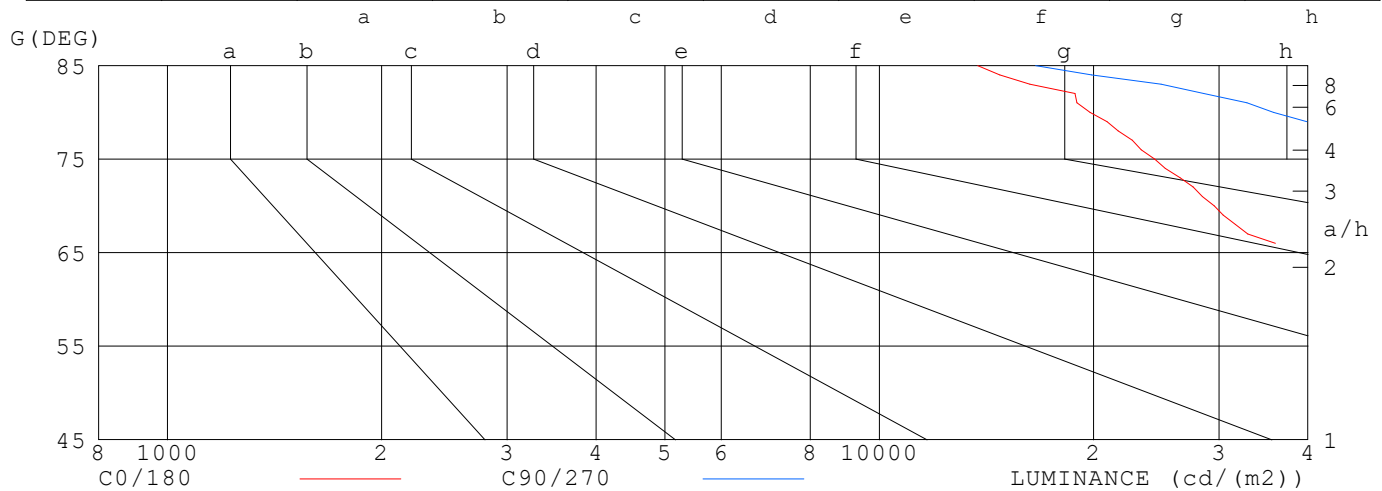
## LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N20040-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	13747	16572
80	19766	35769
75	24363	55338
70	29537	79538
65	41788	97303
60	115006	152442
55	164352	362054
50	188894	486861
45	198707	462900

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 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2024.11.21

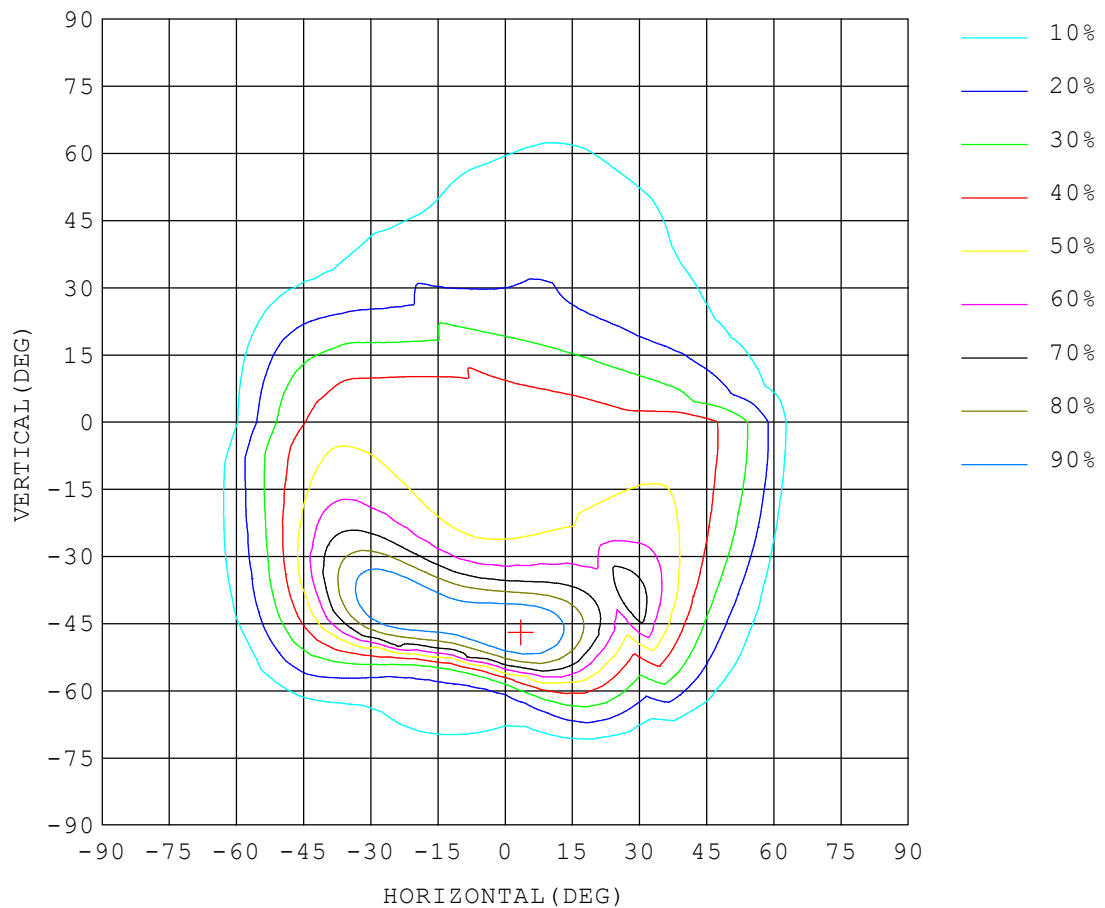
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 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks:

## ISOCANDELA DIAGRAM

Report number:

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NAME: Klose	TYPE: IL-FL19-N20040-P45	WEIGHT:
SPECIFICATION: 2835LED、4000K、P45DEG	DIMENSION:	SERIAL No.:

UNIT: cd



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Temperature: 25.3 DEG  
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