

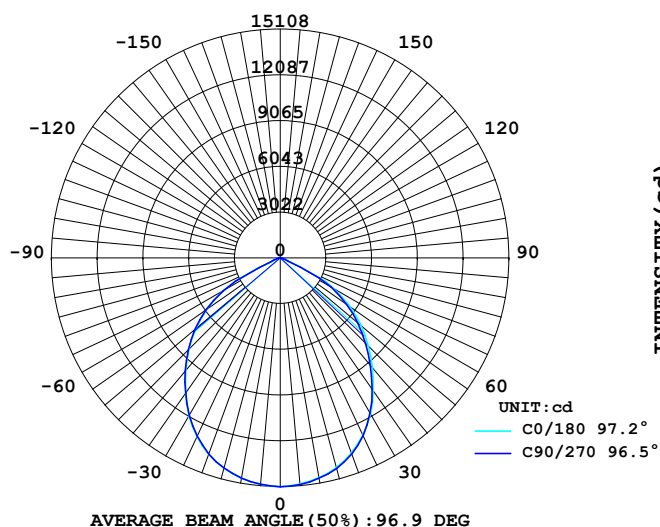
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

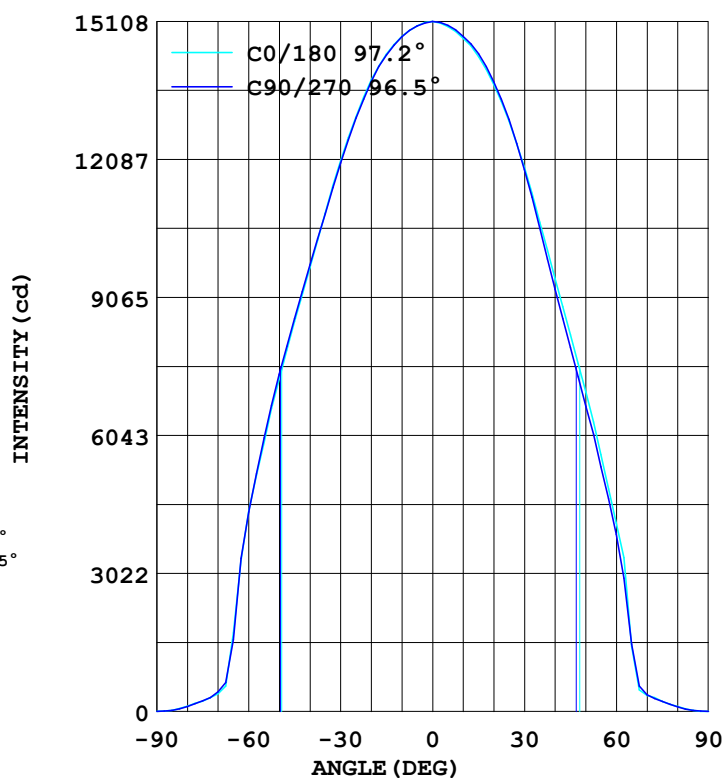
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N20040-90	WEIGHT:
SPECIFICATION: 2835LED、4000K、90deg	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	15108	S/MH (C0/180)	1.19
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.19
NOMINAL POWER(W)	200	TOTAL FLUX(lm)	32308	Voltage(V)	230.6
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	160.3	Current(A)	0.898
NOMINAL FLUX(lm)	32308.2	$\eta$ up (%)	0.0	Power(W)	201.5
LAMPS QUANTITY	1	$\eta$ down (%)	100.0	Power Factor (PF)	0.973
TEST VOLTAGE (V)	230.6	Effective Flux(lm)	32308.2	EEI	0.093

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



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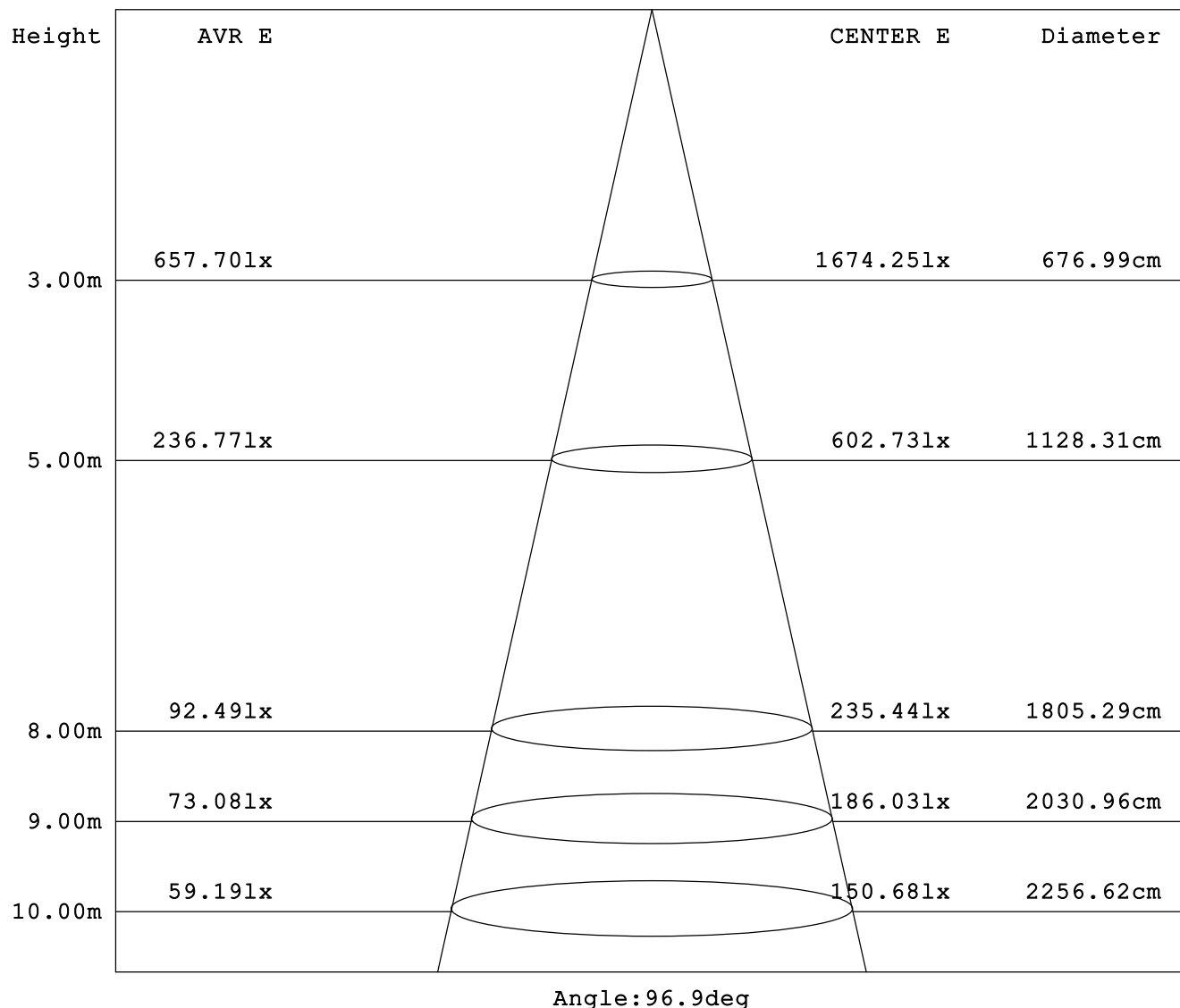
Test System:  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024.11.19

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Remarks:

## AVERAGE AND CENTER E Figure

Report number:

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



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Temperature: 25.3DEG  
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## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N20040-90	WEIGHT:
SPECIFICATION: 2835LED、4000K、90deg	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1501	1500	1501	1498	1499	1501	1502	1501	0- 5	359.9	359.9
10.0	1478	1477	1477	1473	1473	1475	1478	1475	5- 10	1064	1424
15.0	1439	1438	1437	1431	1433	1435	1440	1435	10- 15	1727	3152
20.0	1383	1382	1379	1374	1373	1376	1379	1376	15- 20	2319	5471
25.0	1302	1309	1299	1297	1292	1297	1296	1298	20- 25	2808	8279
30.0	1206	1213	1201	1200	1192	1191	1186	1197	25- 30	3160	11439
35.0	1091	1103	1089	1085	1071	1063	1058	1079	30- 35	3354	14793
40.0	971.8	983.7	977.0	962.6	947.2	927.3	924.0	948.3	35- 40	3393	18186
45.0	853.7	863.8	860.4	840.6	824.1	798.8	796.6	820.1	40- 45	3307	21492
50.0	727.1	736.5	737.9	716.6	699.9	674.3	668.3	691.4	45- 50	3107	24600
55.0	589.1	601.7	598.8	583.1	562.5	542.4	535.9	559.0	50- 55	2783	27382
60.0	438.6	456.1	436.6	435.2	412.2	398.8	388.1	416.1	55- 60	2300	29683
65.0	171.8	317.9	156.9	276.3	142.8	260.4	147.3	273.1	60- 65	1600	31282
70.0	38.74	108.1	42.77	100.7	35.37	96.28	36.79	103.5	65- 70	671.1	31953
75.0	22.72	26.73	23.77	26.40	22.09	21.31	21.82	23.36	70- 75	223.5	32177
80.0	11.47	11.05	11.12	11.40	10.65	10.31	10.09	9.754	75- 80	89.97	32267
85.0	2.792	3.025	2.371	3.433	2.135	2.819	2.194	2.356	80- 85	34.66	32302
90.0	0.520	0.234	0.447	0.599	0.192	0.564	0.488	0.204	85- 90	6.565	32308
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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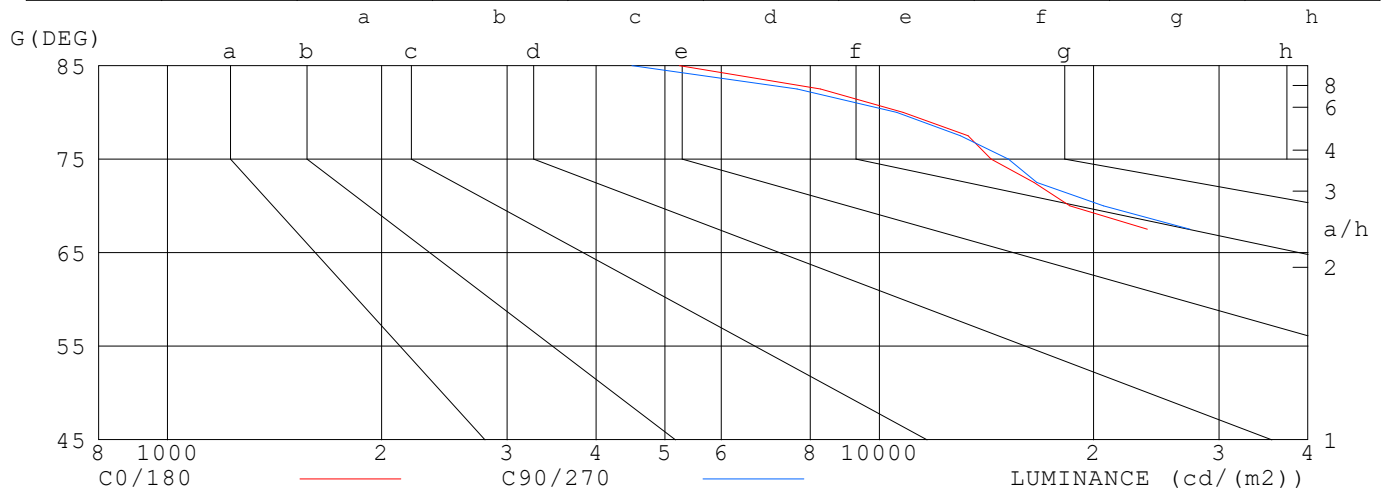
## LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
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SPECIFICATION: 2835LED、4000K、90deg	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	5239	4494
80	10802	10583
75	14356	15177
70	18520	20660
65	66479	61368
60	143448	144253
55	167933	172476
50	184959	189656
45	197418	201017

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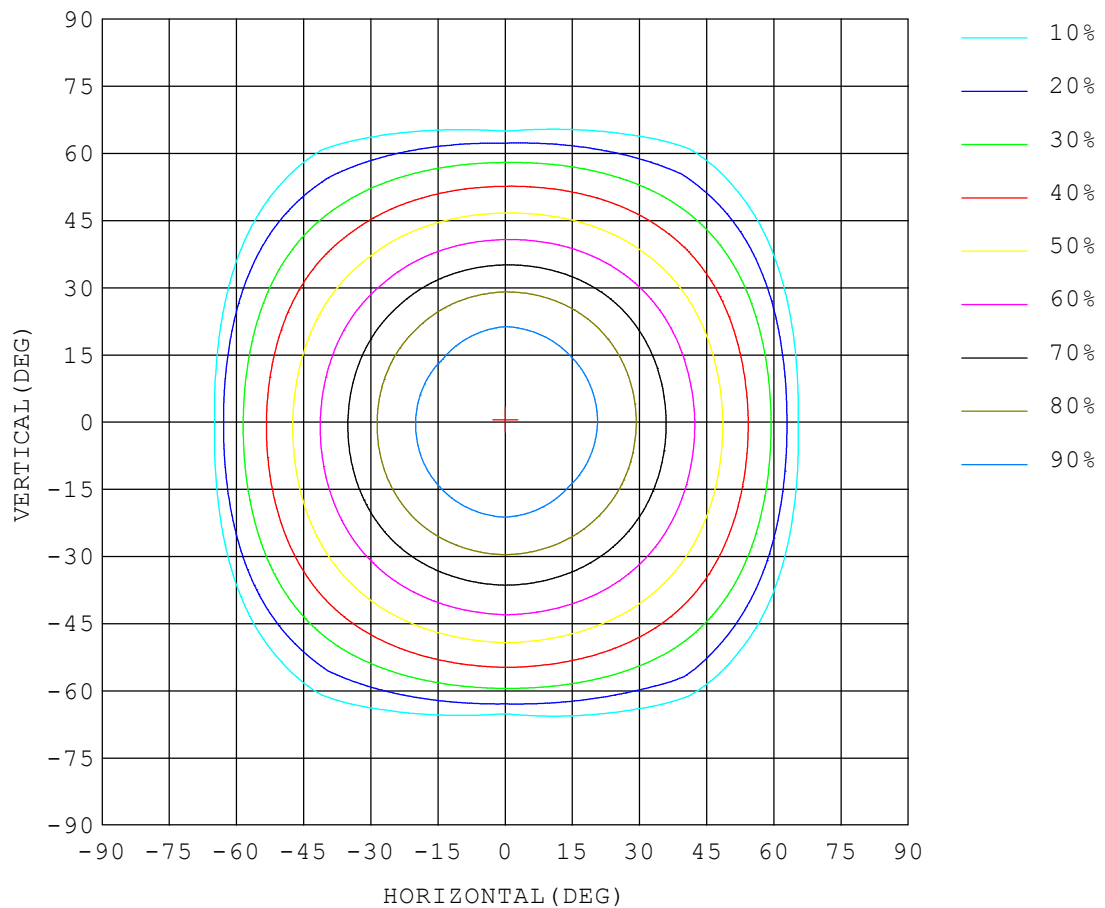
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Test Distance: 10.000 m  
Remarks:

## ISOCANDELA DIAGRAM

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NAME: Klose	TYPE: IL-FL19-N20040-90	WEIGHT:
SPECIFICATION: 2835LED、4000K、90deg	DIMENSION:	SERIAL No.:

UNIT: cd



Test System:  
Temperature: 25.3 DEG  
Operators:  
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Test Distance: 10.000 m  
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