

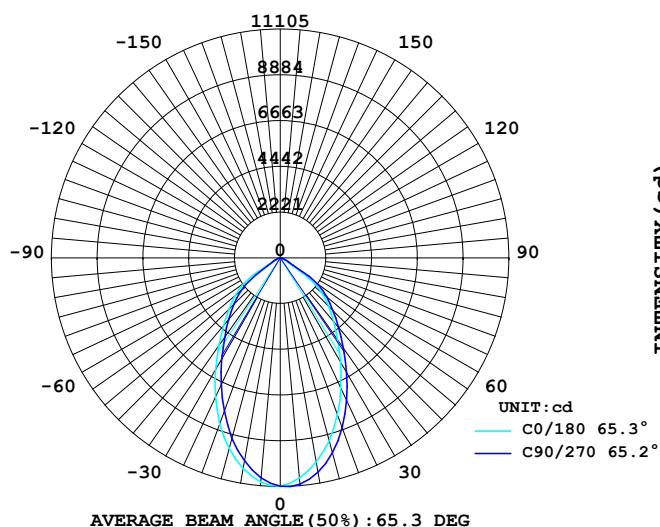
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

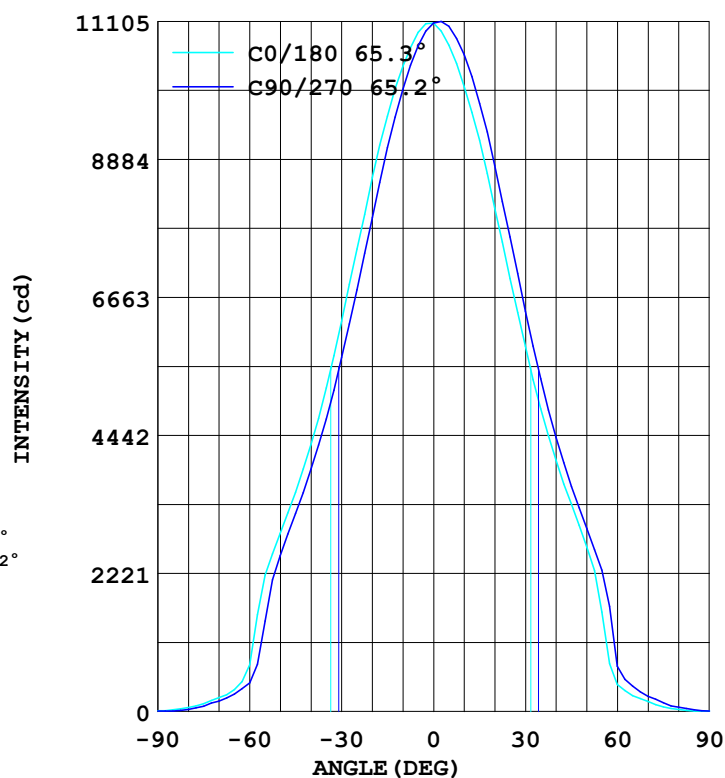
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N10040-60	WEIGHT:
SPECIFICATION: 2835LED、4000K、60DEG	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	11105	S/MH (C0/180)	0.93
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	0.87
NOMINAL POWER(W)	100	TOTAL FLUX(lm)	15186	Voltage(V)	230.3
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	150.2	Current(A)	0.445
NOMINAL FLUX(lm)	15186.2	$\eta$ up (%)	0.0	Power(W)	101.0
LAMPS QUANTITY	1	$\eta$ down (%)	100.0	Power Factor (PF)	0.987
TEST VOLTAGE (V)	230.4	Effective Flux(lm)	15186.2	EEI	0.100

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



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:

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## Color Temperature Data List

Report number:

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

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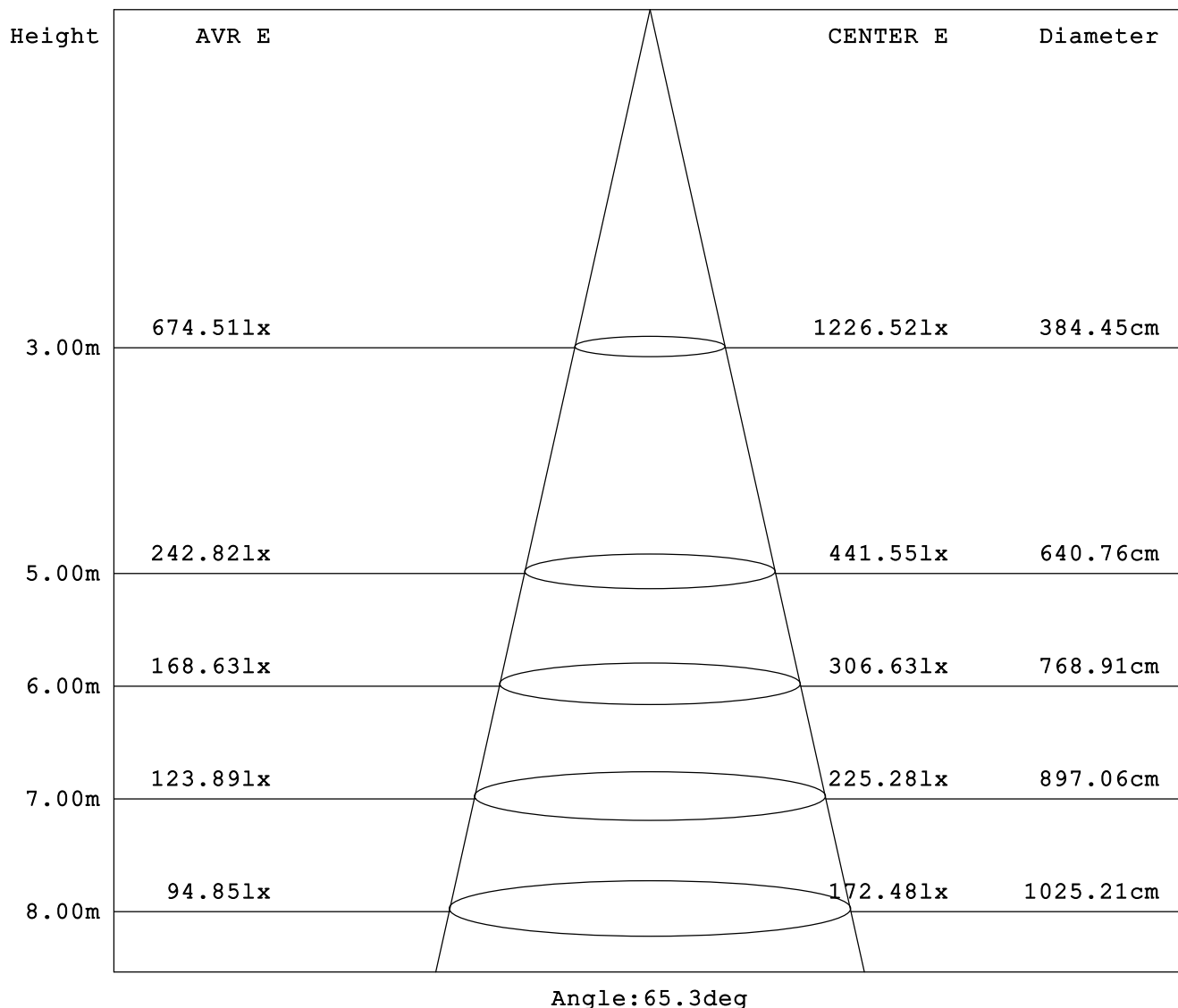
Test System:  
Temperature: 25.3DEG  
Operators:  
Test Date: 2024.11.19

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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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Remarks:

## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N10040-60	WEIGHT:
SPECIFICATION: 2835LED、4000K、60DEG	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1093	1091	1071	1072	1072	1079	1103	1099	0- 5	262.0	262.0
10.0	1038	1032	1001	1002	1005	1017	1057	1051	5- 10	754.3	1016
15.0	957.7	947.5	907.4	910.3	918.8	926.7	978.1	972.9	10- 15	1165	2181
20.0	859.1	846.6	794.2	802.3	810.3	820.4	879.0	874.8	15- 20	1462	3644
25.0	743.9	732.5	678.3	690.6	696.4	710.4	763.8	759.6	20- 25	1631	5274
30.0	628.0	617.9	569.6	579.1	587.8	596.6	643.8	641.3	25- 30	1680	6955
35.0	520.6	512.0	470.3	478.1	486.7	492.2	535.3	531.3	30- 35	1631	8586
40.0	429.3	421.1	389.8	397.1	404.2	407.6	440.6	436.2	35- 40	1527	10113
45.0	352.4	346.4	318.6	325.2	333.3	335.1	361.6	357.9	40- 45	1397	11511
50.0	286.7	281.6	250.5	259.2	264.6	269.5	294.4	291.3	45- 50	1244	12754
55.0	219.5	217.8	145.5	195.4	159.6	204.8	227.4	228.2	50- 55	1038	13792
60.0	75.48	150.7	46.08	120.5	43.45	130.9	72.83	162.3	55- 60	688.2	14480
65.0	35.16	77.87	28.15	49.43	25.39	55.44	41.13	88.53	60- 65	360.0	14840
70.0	22.41	30.55	16.98	22.26	15.96	24.49	24.48	32.71	65- 70	178.1	15019
75.0	12.81	15.58	8.354	12.19	7.575	13.56	14.16	16.83	70- 75	93.37	15112
80.0	6.500	7.080	3.605	4.688	3.121	5.411	7.118	7.988	75- 80	47.94	15160
85.0	2.635	2.094	0.991	1.459	0.878	1.658	2.778	2.333	80- 85	19.36	15179
90.0	1.064	0.809	0.889	1.038	0.672	1.036	1.021	0.792	85- 90	6.856	15186
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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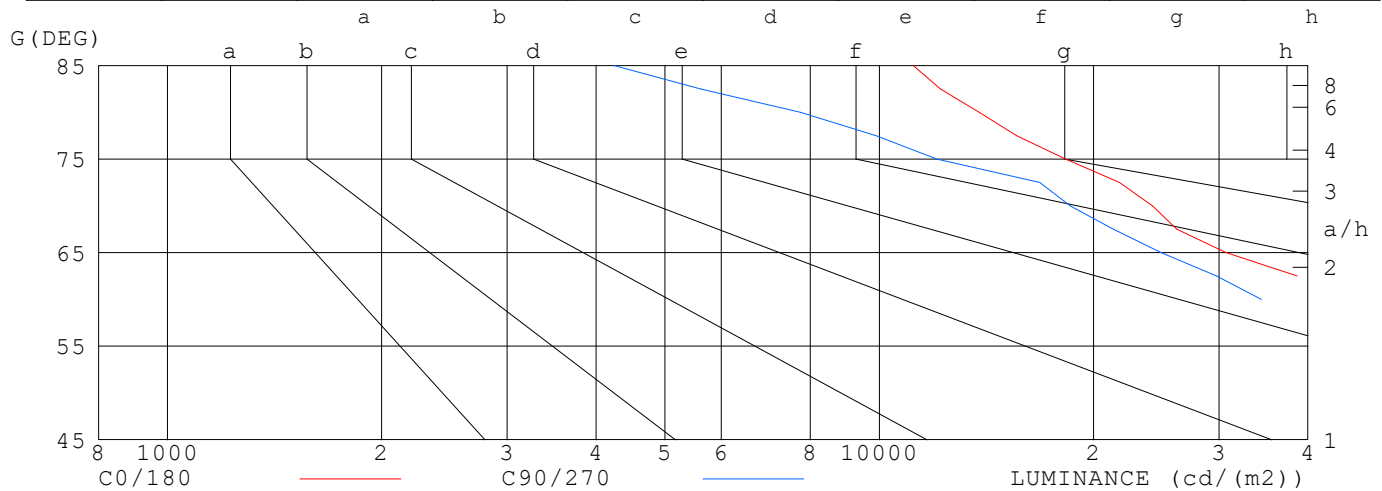
## LUMINANCE LIMITATION CURVES

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	11160	4245
80	13817	7754
75	18275	12055
70	24190	18547
65	30714	24884
60	55720	34421
55	141276	94771
50	164660	145552
45	183936	168298

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 Temperature: 25.3 DEG  
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 Test Date: 2024.11.19

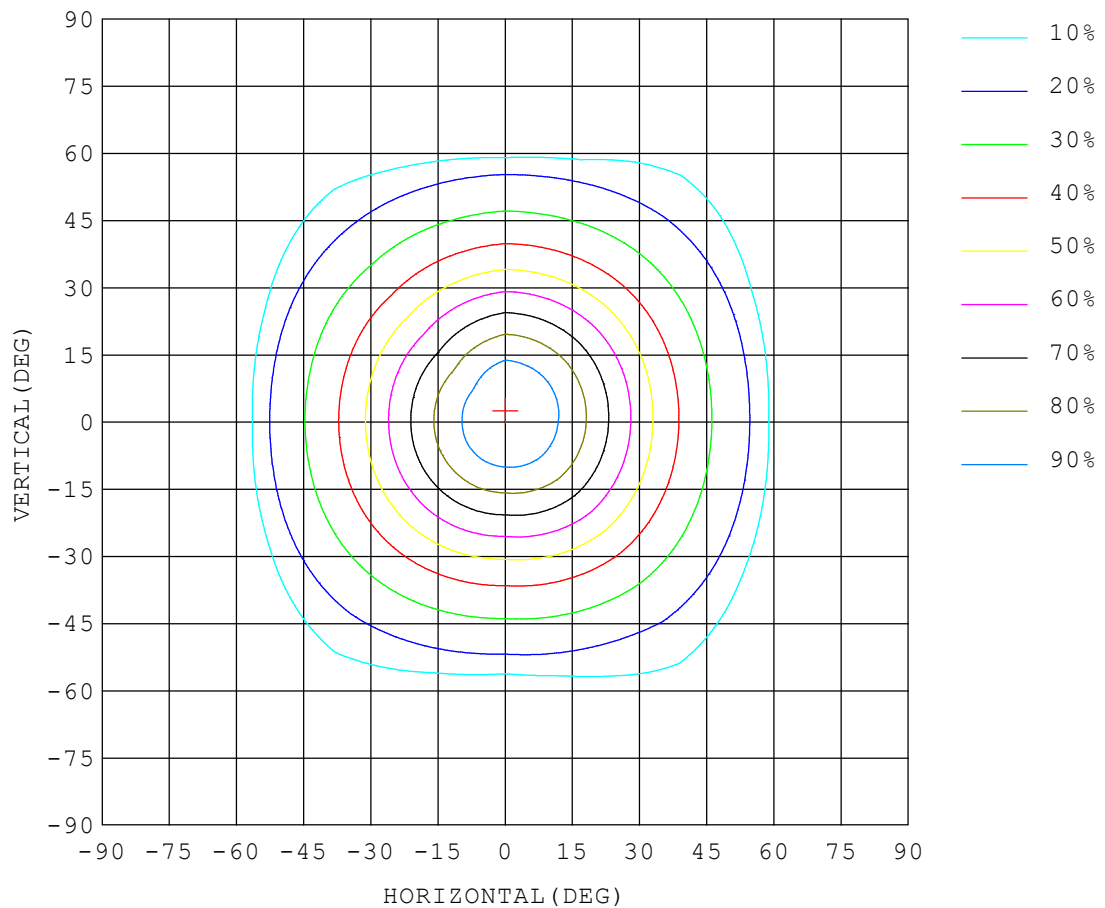
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 Remarks:

## ISOCANDELA DIAGRAM

Report number:

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

UNIT: cd



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Temperature: 25.3 DEG  
Operators:  
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