

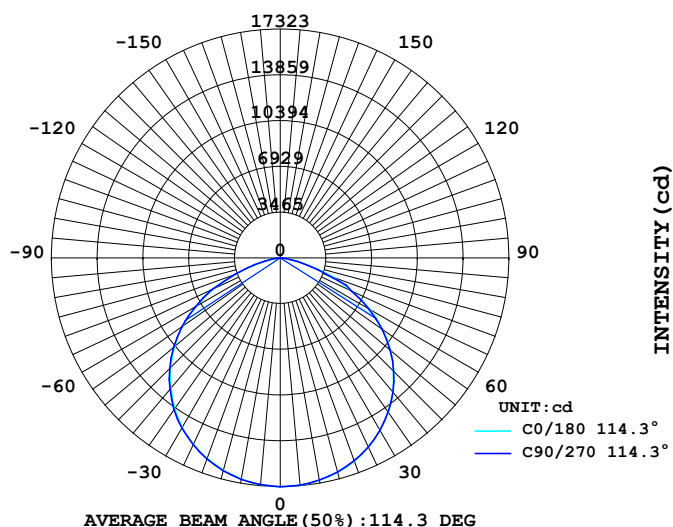
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

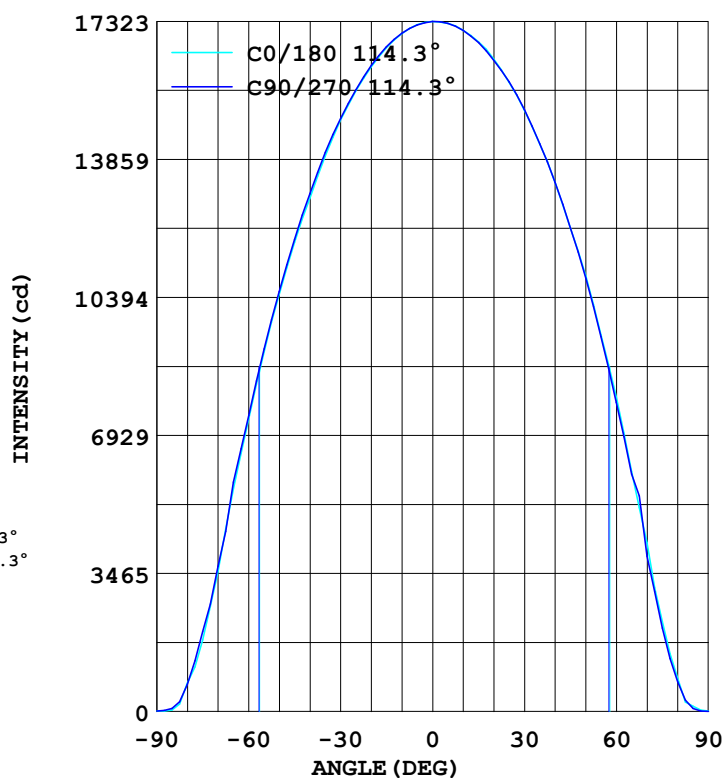
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Klose	TYPE: IL-FL19-N30040-110	WEIGHT:
SPECIFICATION: 2835LED、4000K、110deg	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	17323	S/MH (C0/180)	1.27
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.28
NOMINAL POWER(W)	300	TOTAL FLUX(lm)	48182	Voltage(V)	230.3
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	159.8	Current(A)	1.326
NOMINAL FLUX(lm)	48181.8	$\eta$ up (%)	0.0	Power(W)	301.5
LAMPS QUANTITY	1	$\eta$ down (%)	100.0	Power Factor (PF)	0.987
TEST VOLTAGE (V)	230.4	Effective Flux(lm)	48181.8	EEL	0.094

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



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

Test Set: 6.0 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:

MANUFACTURER: ILUMEN GMBH	Address:	
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SPECIFICATION:2835LED、4000K、110deg	DIMENSION:	SERIAL No.:

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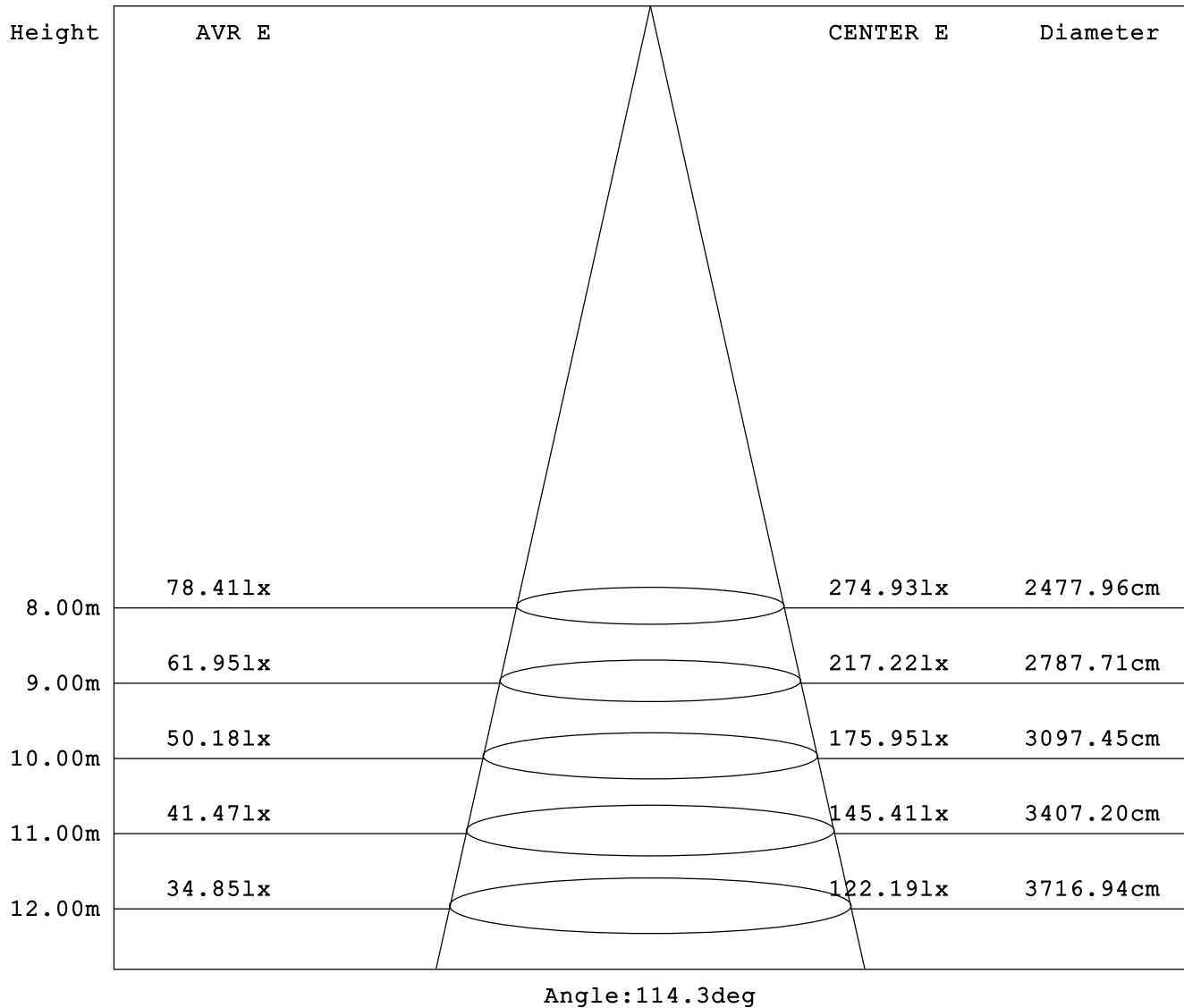
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Temperature:25.3DEG  
Operators:  
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## AVERAGE AND CENTER E Figure

Report number:

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SPECIFICATION:2835LED、4000K、110deg	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-N30040-110	WEIGHT:
SPECIFICATION:2835LED、4000K、110deg	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1724	1723	1723	1726	1727	1728	1727	1726	0- 5	413.3	413.3
10.0	1702	1702	1703	1708	1710	1712	1709	1705	5- 10	1228	1641
15.0	1666	1666	1668	1676	1681	1682	1679	1672	10- 15	2005	3646
20.0	1618	1618	1622	1633	1638	1639	1635	1624	15- 20	2721	6368
25.0	1558	1555	1561	1573	1579	1584	1581	1565	20- 25	3354	9721
30.0	1485	1480	1489	1500	1509	1516	1511	1495	25- 30	3882	13604
35.0	1394	1392	1403	1416	1424	1432	1425	1406	30- 35	4286	17890
40.0	1289	1288	1299	1316	1328	1336	1328	1307	35- 40	4545	22434
45.0	1177	1173	1185	1204	1213	1221	1213	1191	40- 45	4647	27082
50.0	1047	1042	1054	1071	1093	1098	1088	1065	45- 50	4582	31663
55.0	902.9	897.8	909.8	930.4	946.3	955.7	941.3	917.9	50- 55	4339	36002
60.0	734.5	732.5	743.0	769.6	789.8	798.3	775.7	761.1	55- 60	3904	39906
65.0	558.8	561.4	575.8	599.2	602.3	619.9	595.4	581.8	60- 65	3289	43195
70.0	351.2	357.0	364.7	379.1	424.1	428.1	389.8	372.8	65- 70	2484	45679
75.0	179.6	191.2	200.7	221.2	225.0	238.8	209.1	208.8	70- 75	1550	47229
80.0	70.98	63.32	67.58	76.55	83.07	89.63	74.06	72.05	75- 80	740.5	47970
85.0	3.707	6.243	7.715	11.12	13.18	15.47	7.513	8.478	80- 85	190.8	48161
90.0	0.965	1.042	1.274	1.035	1.294	1.042	0.492	0.901	85- 90	21.32	48182
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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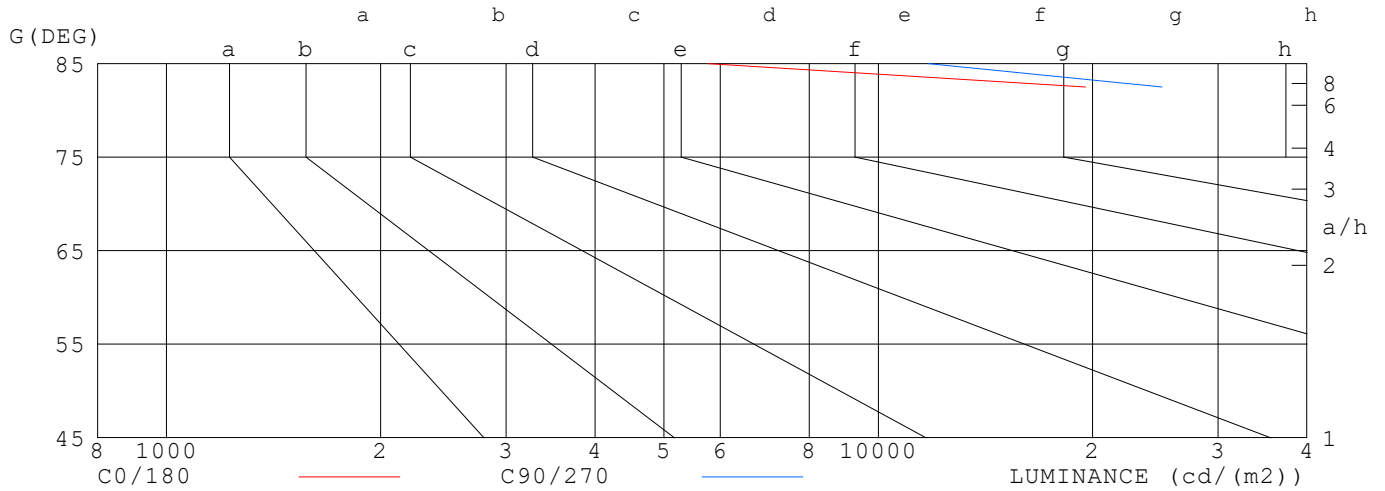
## LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
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SPECIFICATION: 2835LED、4000K、110deg	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	5760	11759
80	55361	51700
75	93983	103016
70	139096	141675
65	179067	181007
60	198957	197406
55	213202	210721
50	220490	217763
45	225511	222613

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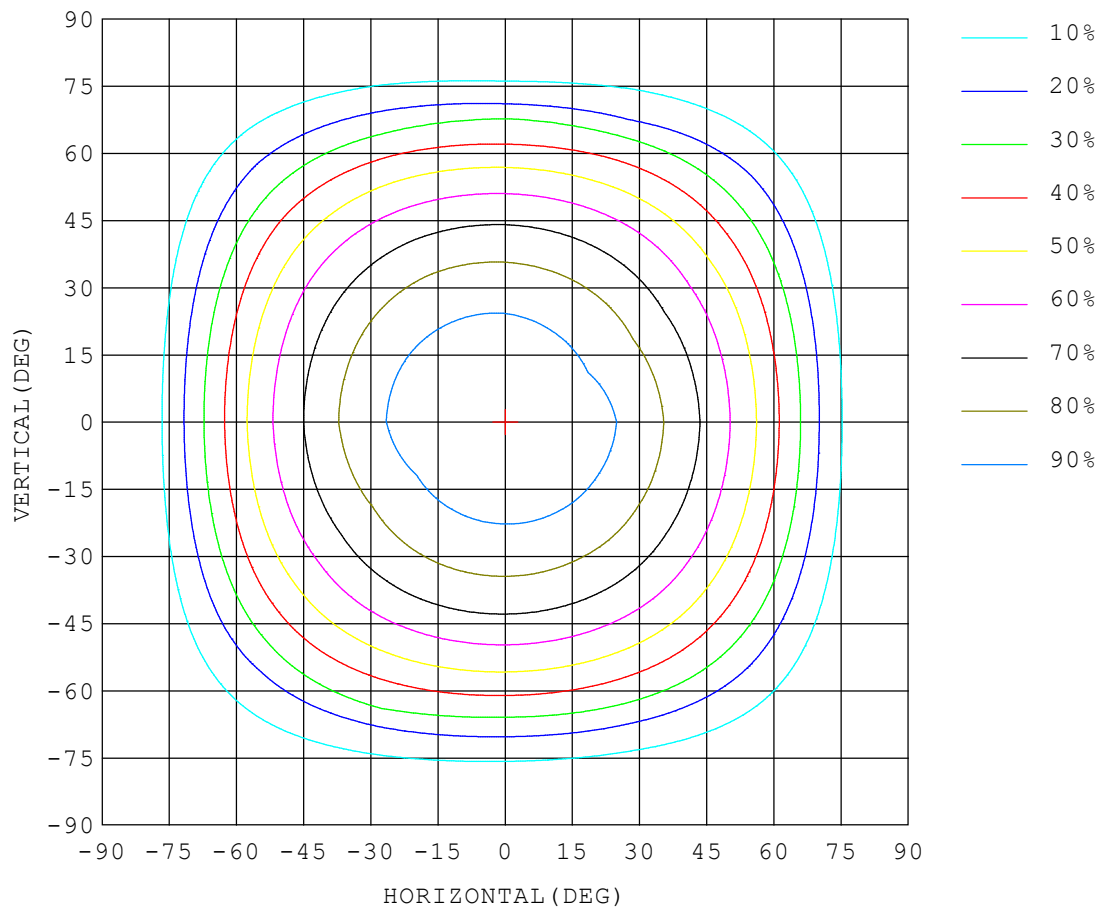
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 Humidity: 65.0%  
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 Remarks:

## ISOCANDELA DIAGRAM

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SPECIFICATION: 2835LED、4000K、110deg	DIMENSION:	SERIAL No.:

UNIT: cd



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

Test Set: 6.0 deg/s C-Gamma (TYPE C)  
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Test Distance: 10.000 m  
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