

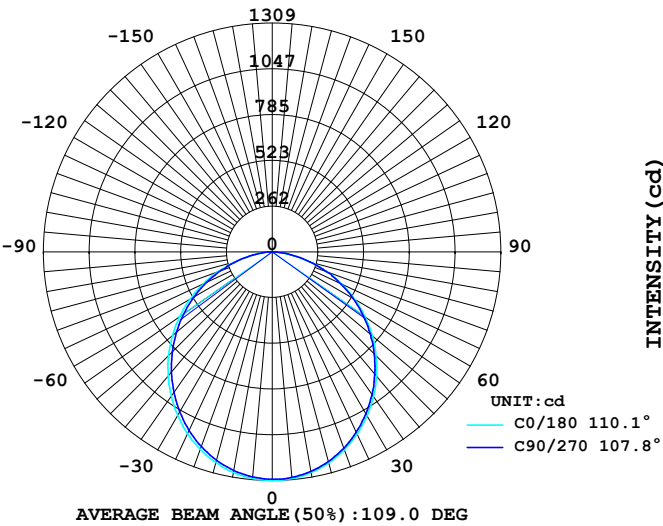
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

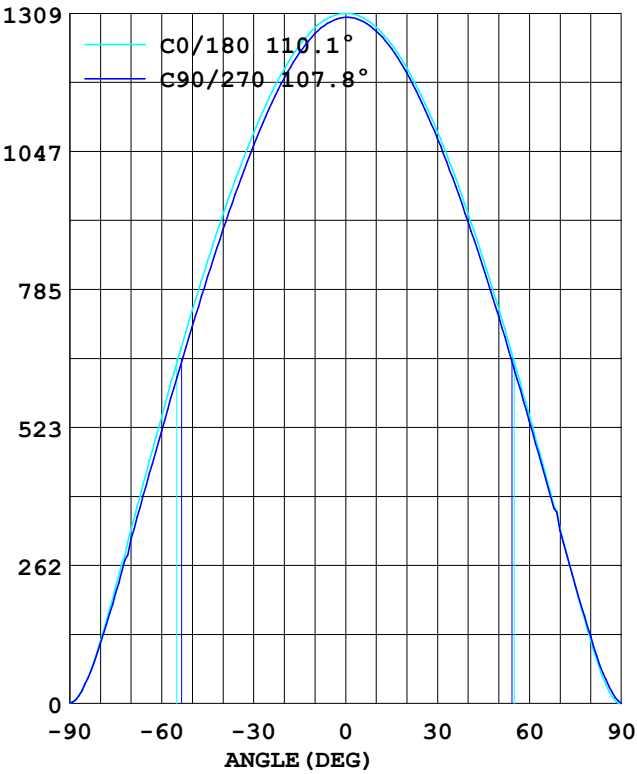
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Elka	TYPE: IL-PL20-N03640-110	WEIGHT:
SPECIFICATION: Ra80 4000K	DIMENSION: 595*595	SERIAL No.:

DATA OF LAMP		Imax(cd)	1309	S/MH (C0/180)	1.24
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.22
NOMINAL POWER(W)	38	TOTAL FLUX(lm)	3536.4	Voltage(V)	219.8
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	104.9	Current(A)	0.179
NOMINAL FLUX(lm)	3536.5	η up (%)	0.0	Power(W)	33.70
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.979
TEST VOLTAGE (V)	219.8	Effective Flux(lm)	0.0	EEI	0.000

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



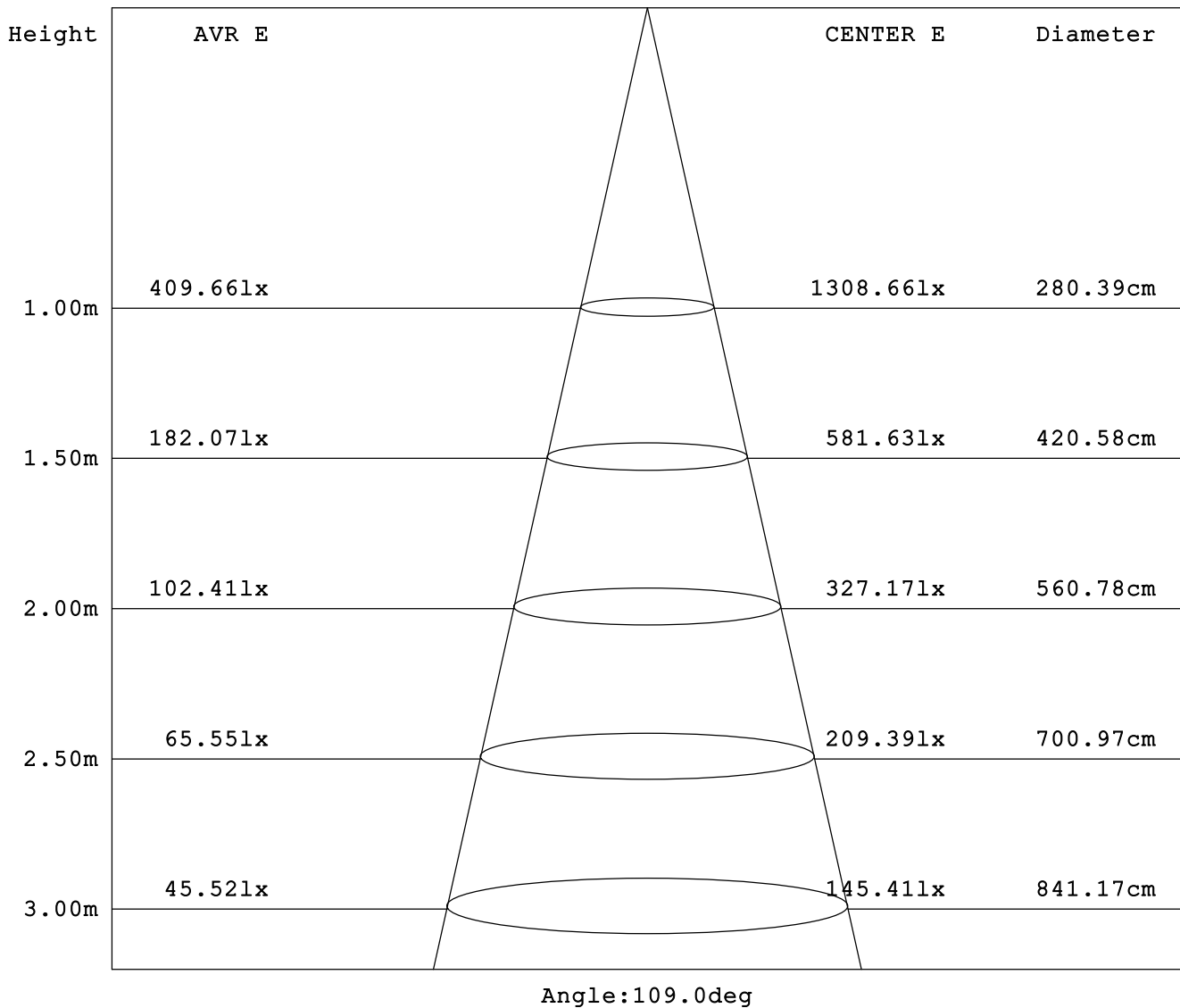
Test System:
Temperature:25.3DEG
Operators:
Test Date:2024-07-06

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

AVERAGE AND CENTER E Figure

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SPECIFICATION: Ra80 4000K	DIMENSION: 595*595	SERIAL No.:



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ZONAL FLUX DIAGRAM

Report number:

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SPECIFICATION: Ra80 4000K	DIMENSION: 595*595	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1301	1296	1292	1290	1302	1298	1295	1294	0- 5	31.07	31.07
10.0	1282	1274	1270	1267	1282	1279	1275	1275	5- 10	91.99	123.0
15.0	1248	1240	1234	1232	1250	1246	1241	1243	10- 15	149.3	272.3
20.0	1203	1193	1186	1184	1206	1201	1196	1200	15- 20	200.8	473.2
25.0	1148	1134	1127	1125	1150	1145	1139	1145	20- 25	244.8	718.1
30.0	1082	1068	1058	1058	1084	1079	1071	1079	25- 30	279.8	997.9
35.0	1007	991.3	980.5	981.4	1011	1006	996.8	1007	30- 35	304.7	1303
40.0	927.6	907.4	898.3	897.5	929.3	923.7	913.7	925.7	35- 40	319.1	1622
45.0	839.4	820.2	809.1	810.2	841.0	835.6	825.0	838.4	40- 45	322.6	1945
50.0	745.3	725.1	714.6	715.1	748.9	744.4	733.6	747.7	45- 50	315.5	2260
55.0	648.1	626.6	618.7	616.5	649.6	646.5	635.7	650.5	50- 55	297.9	2558
60.0	544.3	525.0	517.3	515.2	546.1	547.3	534.7	551.5	55- 60	270.7	2829
65.0	437.5	418.8	414.1	409.3	441.3	442.7	433.1	447.3	60- 65	234.5	3063
70.0	330.7	311.1	311.9	302.0	332.0	336.1	328.1	341.6	65- 70	191.7	3255
75.0	221.8	207.2	209.6	198.4	221.7	234.1	223.5	240.0	70- 75	141.3	3396
80.0	117.7	109.6	113.7	102.0	120.0	132.6	128.0	139.0	75- 80	90.23	3487
85.0	36.00	28.82	37.35	24.50	35.46	44.63	45.35	49.75	80- 85	41.73	3528
90.0	0.701	0	0.701	0	0	2.048	0.521	3.216	85- 90	8.084	3536
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	

Test System:
Temperature:25.3DEG
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Test Date:2024-07-06

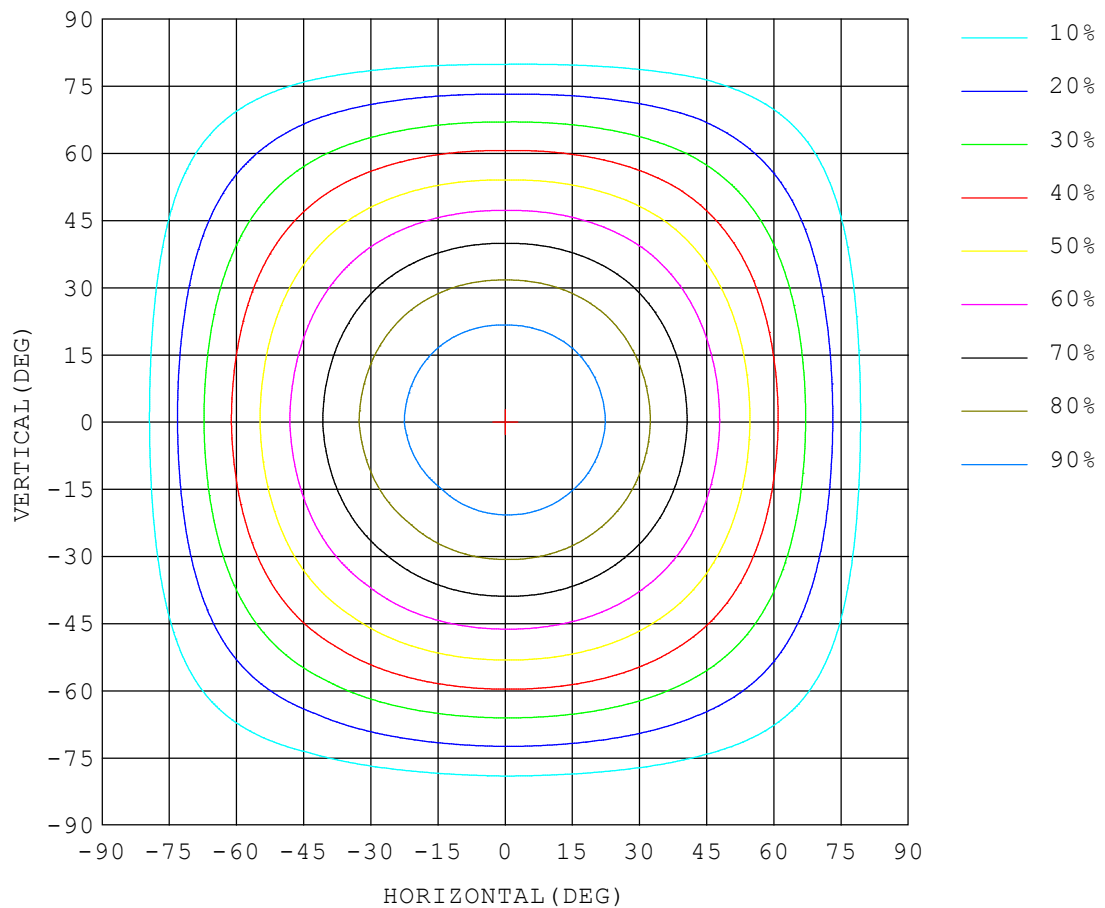
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Humidity:65.0%
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Remarks:

ISOCANDELA DIAGRAM

Report number:

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SPECIFICATION: Ra80 4000K	DIMENSION: 595*595	SERIAL No.:

UNIT: cd



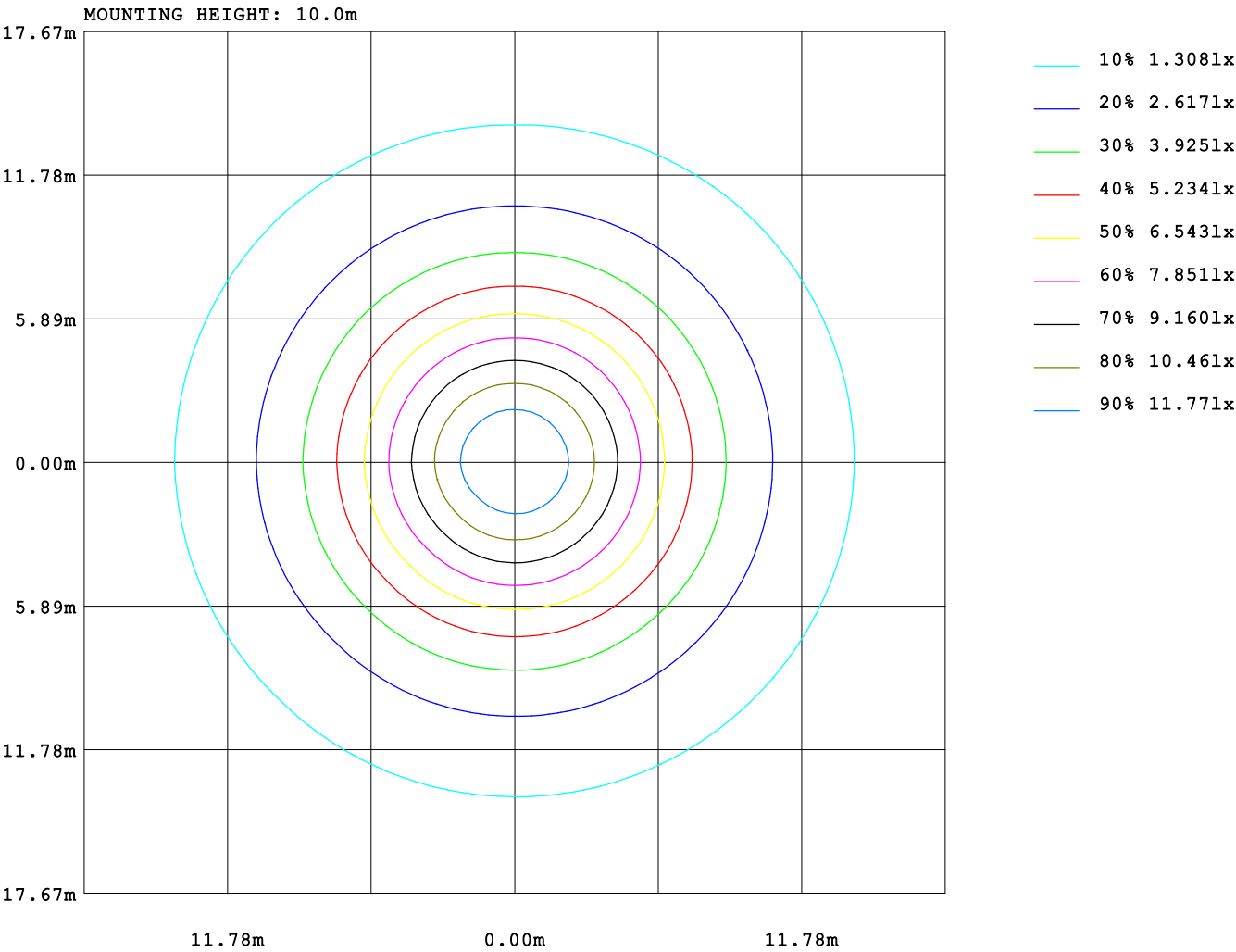
Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2024-07-06

Test Set: 5.0 deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks:

ISOLUX DIAGRAM

Report number:

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Uncorrected UGR Table

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ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	16.8	18.3	17.0	18.5	18.7	16.6	18.1	16.9	18.3	18.5
3H	18.2	19.6	18.5	19.9	20.1	18.0	19.4	18.3	19.6	19.9
4H	18.8	20.1	19.1	20.3	20.6	18.5	19.8	18.8	20.1	20.4
6H	19.1	20.3	19.4	20.6	20.9	18.8	20.1	19.2	20.4	20.6
8H	19.2	20.4	19.5	20.6	20.9	18.9	20.1	19.2	20.4	20.7
12H	19.2	20.3	19.5	20.6	20.9	18.9	20.1	19.3	20.4	20.7
4H 2H	17.3	18.7	17.6	18.9	19.2	17.2	18.5	17.5	18.8	19.0
3H	19.0	20.1	19.3	20.4	20.7	18.8	19.9	19.1	20.2	20.5
4H	19.6	20.7	20.0	21.0	21.3	19.4	20.5	19.8	20.8	21.1
6H	20.0	21.0	20.4	21.3	21.7	19.8	20.8	20.2	21.1	21.5
8H	20.1	21.0	20.5	21.4	21.8	19.9	20.8	20.3	21.2	21.5
12H	20.2	21.0	20.6	21.4	21.8	20.0	20.8	20.4	21.1	21.5
8H 4H	19.8	20.7	20.2	21.0	21.4	19.6	20.5	20.0	20.9	21.2
6H	20.3	21.1	20.8	21.5	21.9	20.2	20.9	20.6	21.3	21.7
8H	20.5	21.1	21.0	21.6	22.0	20.3	20.9	20.8	21.4	21.8
12H	20.6	21.1	21.0	21.6	22.0	20.4	20.9	20.9	21.4	21.9
12H 4H	19.8	20.6	20.2	21.0	21.4	19.6	20.4	20.0	20.8	21.2
6H	20.4	21.0	20.8	21.4	21.9	20.2	20.8	20.6	21.2	21.7
8H	20.5	21.1	21.0	21.5	22.0	20.4	20.9	20.8	21.4	21.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 3536 lm Total Lamp Luminous Flux. (8log(F/F0) = 4.4)

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