

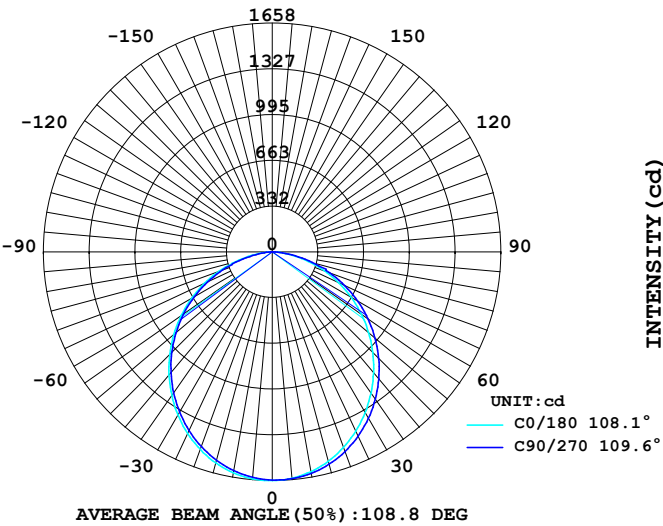
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

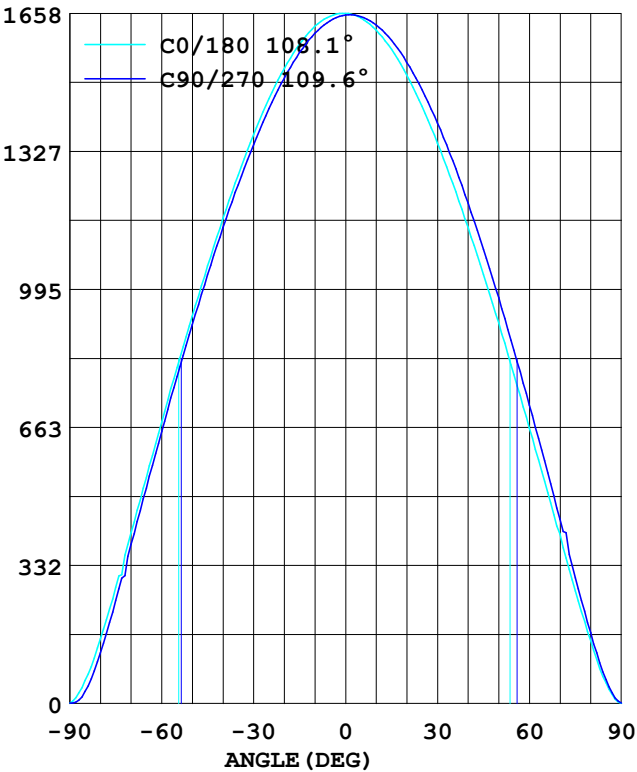
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Elka	TYPE: IL-PL20-N04840-110	WEIGHT:
SPECIFICATION: Ra80 4000K	DIMENSION: 595*595	SERIAL No.:

DATA OF LAMP		Imax (cd)	1658	S/MH (C0/180)	1.23
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.21
NOMINAL POWER(W)	44	TOTAL FLUX(lm)	4483.0	Voltage (V)	219.6
RATED VOLTAGE (V)	220	EFFICIENCY (lm/W)	101.2	Current (A)	0.210
NOMINAL FLUX(lm)	4483.1	η up (%)	0.0	Power (W)	44.29
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.957
TEST VOLTAGE (V)	219.7	Effective Flux(lm)	4483.1	EEl	0.135

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



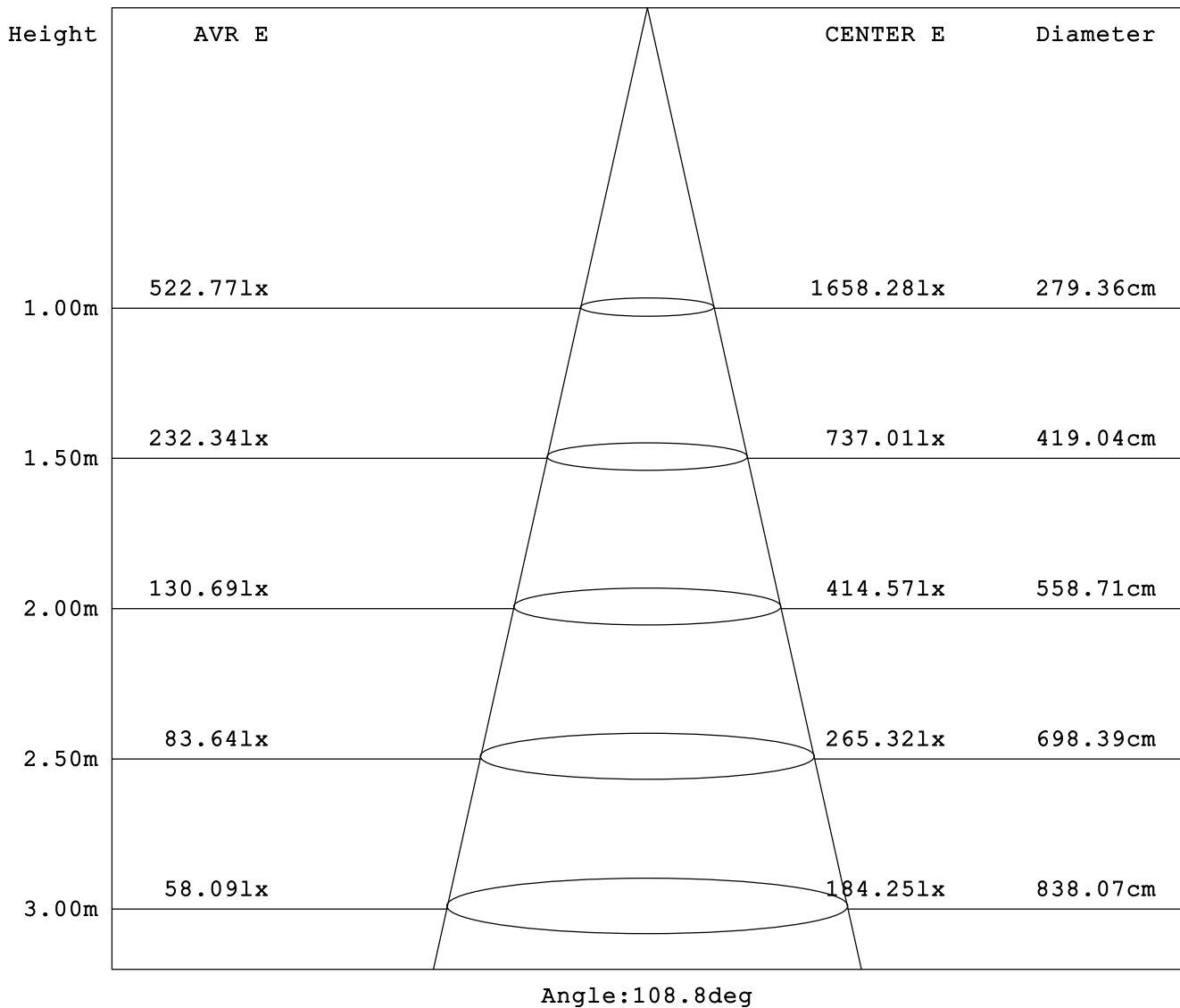
Test System:
Temperature:25.3DEG
Operators:
Test Date:2024-07-06

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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ZONAL FLUX DIAGRAM

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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	1651	1645	1641	1636	1647	1650	1650	1650	0- 5	39.46	39.46
10.0	1627	1617	1610	1603	1618	1626	1630	1631	5- 10	116.8	156.3
15.0	1585	1573	1564	1554	1572	1584	1593	1594	10- 15	189.6	346.0
20.0	1525	1512	1502	1490	1510	1528	1540	1542	15- 20	255.1	601.1
25.0	1454	1437	1429	1412	1435	1457	1475	1475	20- 25	310.9	912.1
30.0	1367	1352	1343	1325	1347	1373	1395	1394	25- 30	355.4	1268
35.0	1270	1254	1246	1226	1250	1281	1305	1303	30- 35	387.0	1655
40.0	1166	1146	1144	1118	1144	1178	1203	1201	35- 40	405.2	2060
45.0	1052	1035	1031	1006	1030	1069	1091	1093	40- 45	409.7	2470
50.0	930.5	913.1	909.5	885.7	914.1	951.1	974.6	974.3	45- 50	400.4	2870
55.0	807.3	786.0	785.5	760.7	790.0	826.2	848.6	849.4	50- 55	377.7	3248
60.0	676.2	655.3	653.2	632.7	662.0	700.2	716.9	722.1	55- 60	342.8	3591
65.0	542.7	519.0	517.6	500.1	533.8	567.6	583.4	587.1	60- 65	296.6	3887
70.0	410.1	381.2	382.7	366.2	407.4	433.1	443.0	449.9	65- 70	241.1	4128
75.0	278.4	249.1	247.2	237.8	270.4	304.9	301.9	309.7	70- 75	178.0	4307
80.0	154.6	127.6	120.8	118.6	151.1	177.4	170.0	188.8	75- 80	113.4	4420
85.0	54.98	31.18	28.48	25.48	49.77	65.58	57.28	74.88	80- 85	52.42	4472
90.0	1.180	0	0.980	0	0.480	4.180	1.080	7.180	85- 90	10.68	4483
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	

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Test Date:2024-07-06

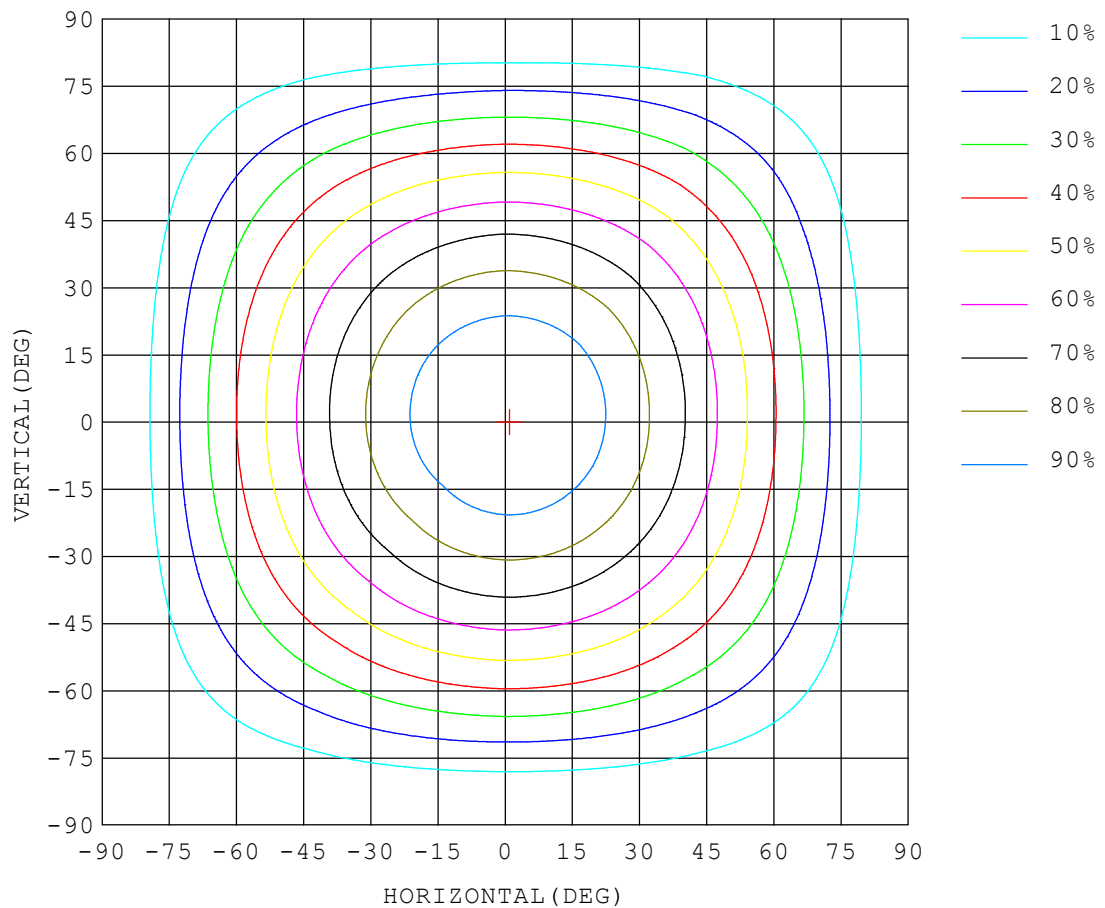
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ISOCANDELA DIAGRAM

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

UNIT: cd



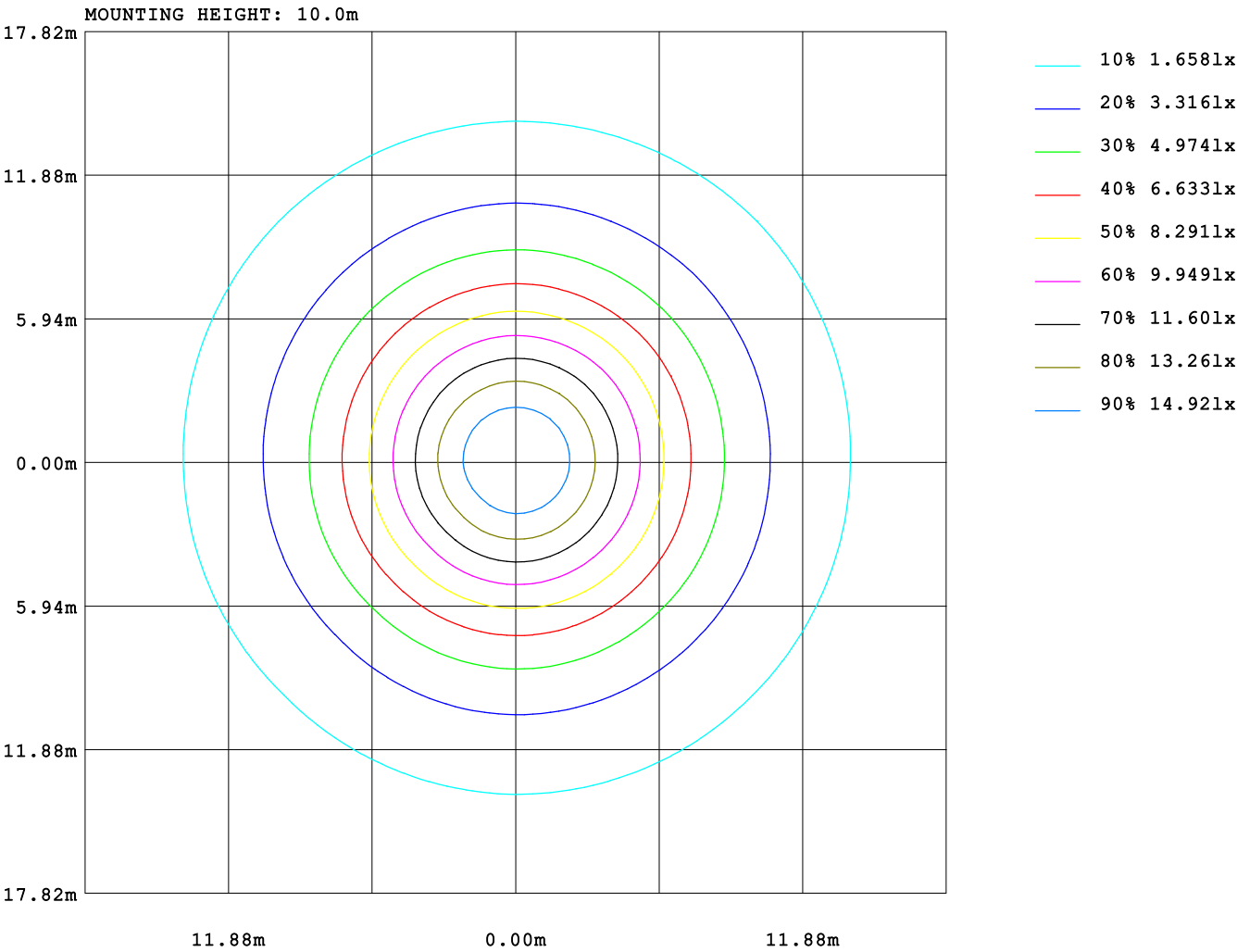
Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2024-07-06

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

ISOLUX DIAGRAM

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Uncorrected UGR Table

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

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	17.5	19.0	17.8	19.2	19.4	17.4	18.9	17.6	19.1	19.3
3H	18.9	20.3	19.2	20.6	20.8	18.7	20.1	19.0	20.3	20.6
4H	19.4	20.8	19.8	21.0	21.3	19.2	20.5	19.5	20.8	21.0
6H	19.8	21.0	20.1	21.3	21.6	19.4	20.7	19.8	21.0	21.2
8H	19.9	21.1	20.2	21.4	21.6	19.5	20.7	19.8	21.0	21.2
12H	19.9	21.0	20.2	21.3	21.6	19.5	20.6	19.8	20.9	21.2
4H 2H	18.0	19.4	18.4	19.6	19.9	18.0	19.3	18.3	19.5	19.8
3H	19.6	20.8	20.0	21.1	21.4	19.5	20.6	19.8	20.9	21.2
4H	20.3	21.3	20.6	21.6	22.0	20.0	21.1	20.4	21.4	21.7
6H	20.7	21.6	21.1	22.0	22.4	20.4	21.3	20.8	21.7	22.0
8H	20.8	21.7	21.2	22.1	22.4	20.4	21.3	20.9	21.7	22.1
12H	20.9	21.7	21.3	22.1	22.5	20.4	21.2	20.9	21.6	22.0
8H 4H	20.4	21.3	20.9	21.7	22.1	20.2	21.1	20.7	21.5	21.9
6H	21.0	21.7	21.4	22.1	22.5	20.7	21.4	21.1	21.8	22.2
8H	21.2	21.8	21.6	22.2	22.7	20.8	21.4	21.2	21.8	22.3
12H	21.3	21.8	21.7	22.3	22.7	20.8	21.4	21.3	21.8	22.3
12H 4H	20.4	21.2	20.9	21.6	22.0	20.2	21.0	20.7	21.4	21.8
6H	21.0	21.7	21.5	22.1	22.5	20.7	21.3	21.2	21.8	22.2
8H	21.2	21.8	21.7	22.2	22.7	20.8	21.4	21.3	21.8	22.3
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 / - 0.4				
2.0H	+ 0.2 / - 0.4					+ 0.3 / - 0.3				

CIE Pub.117 Corrected 4483 lm Total Lamp Luminous Flux.(8log(F/F0) = 5.2)

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