

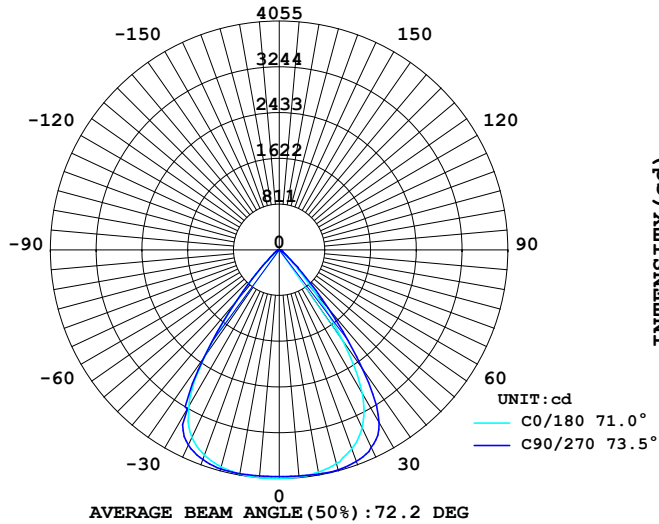
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

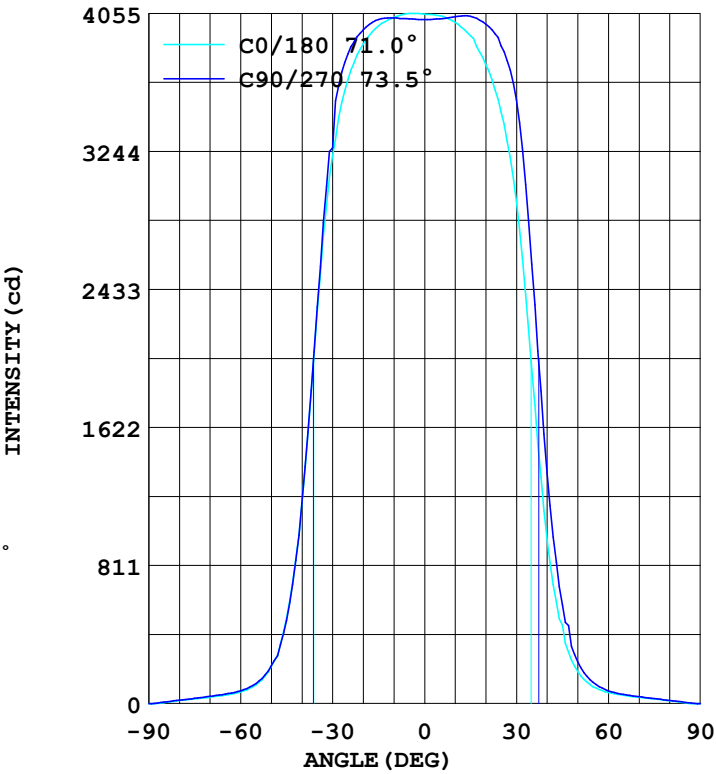
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Elka	TYPE: IL-PL20-N04040-75	WEIGHT:
SPECIFICATION: Ra80 4000K	DIMENSION: 595X595	SERIAL No.:

DATA OF LAMP		Imax(cd)	4055	S/MH (C0/180)	1.05
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.05
NOMINAL POWER(W)	40	TOTAL FLUX(lm)	5336.6	Voltage(V)	217.3
RATED VOLTAGE (V)	218	EFFICIENCY (lm/W)	143.2	Current(A)	0.174
NOMINAL FLUX(lm)	5336.6	η up (%)	0.0	Power(W)	37.25
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.980
TEST VOLTAGE (V)	217.4	Effective Flux(lm)	5336.6	EEl	0.095

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



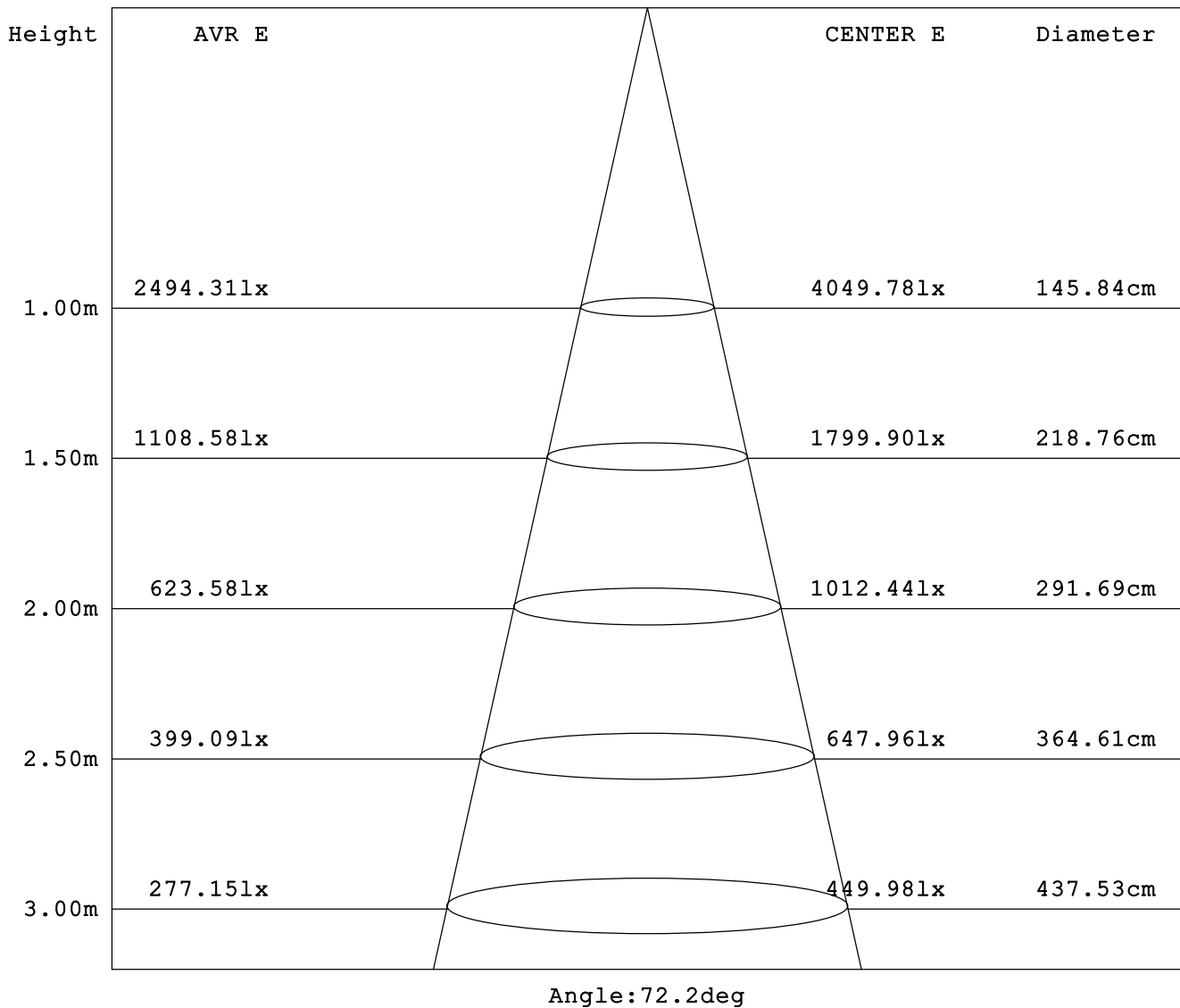
Test System:
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2024-6-30

Test Set: 5.0 deg/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: 595X595	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	4055	4041	4022	4000	4041	4027	4022	4014	0- 5	96.29	96.29
10.0	4032	4038	4028	3962	4000	4007	4034	4012	5- 10	287.7	384.0
15.0	3981	3998	4019	3851	3921	3943	4036	3983	10- 15	473.8	857.8
20.0	3876	3862	3959	3667	3755	3794	3992	3885	15- 20	644.9	1503
25.0	3665	3625	3816	3386	3476	3536	3863	3673	20- 25	785.8	2289
30.0	3220	3273	3264	2992	2951	3150	3547	3334	25- 30	871.2	3160
35.0	2305	2688	2329	2322	1963	2515	2580	2806	30- 35	843.8	4004
40.0	1176	1584	1178	1240	961.6	1503	1351	1806	35- 40	629.2	4633
45.0	501.7	600.6	488.5	481.1	459.2	607.0	577.6	755.3	40- 45	334.3	4967
50.0	217.7	251.3	220.3	215.7	186.8	259.9	242.9	286.6	45- 50	149.3	5117
55.0	109.9	134.4	118.4	123.9	99.58	145.9	124.2	162.5	50- 55	75.59	5192
60.0	68.08	84.08	75.08	80.18	64.77	93.48	75.18	98.38	55- 60	46.38	5239
65.0	49.57	58.77	55.48	57.78	48.08	65.87	52.77	67.18	60- 65	32.70	5271
70.0	37.48	43.77	42.08	44.07	36.18	49.88	40.27	49.67	65- 70	25.03	5297
75.0	27.37	30.98	30.28	30.48	26.48	36.48	28.77	36.18	70- 75	19.30	5316
80.0	17.37	17.18	19.68	16.98	16.48	21.68	18.28	21.68	75- 80	13.22	5329
85.0	4.980	3.580	8.080	2.980	4.080	7.680	7.480	7.680	80- 85	6.714	5336
90.0	0	0	0	0	0	0	0	0	85- 90	0.878	5337
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
Operators:
Test Date:2024-6-30

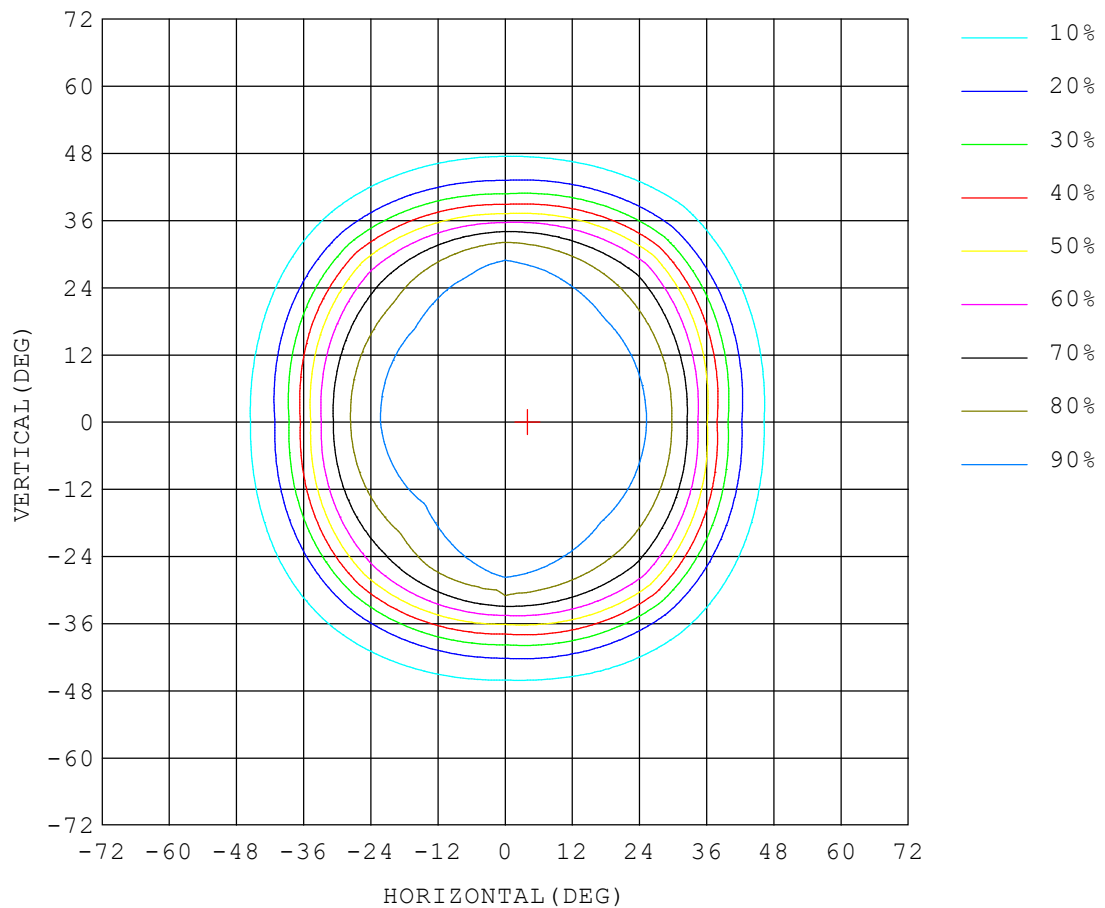
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ISOCANDELA DIAGRAM

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SPECIFICATION: Ra80 4000K	DIMENSION: 595X595	SERIAL No.:

UNIT: cd



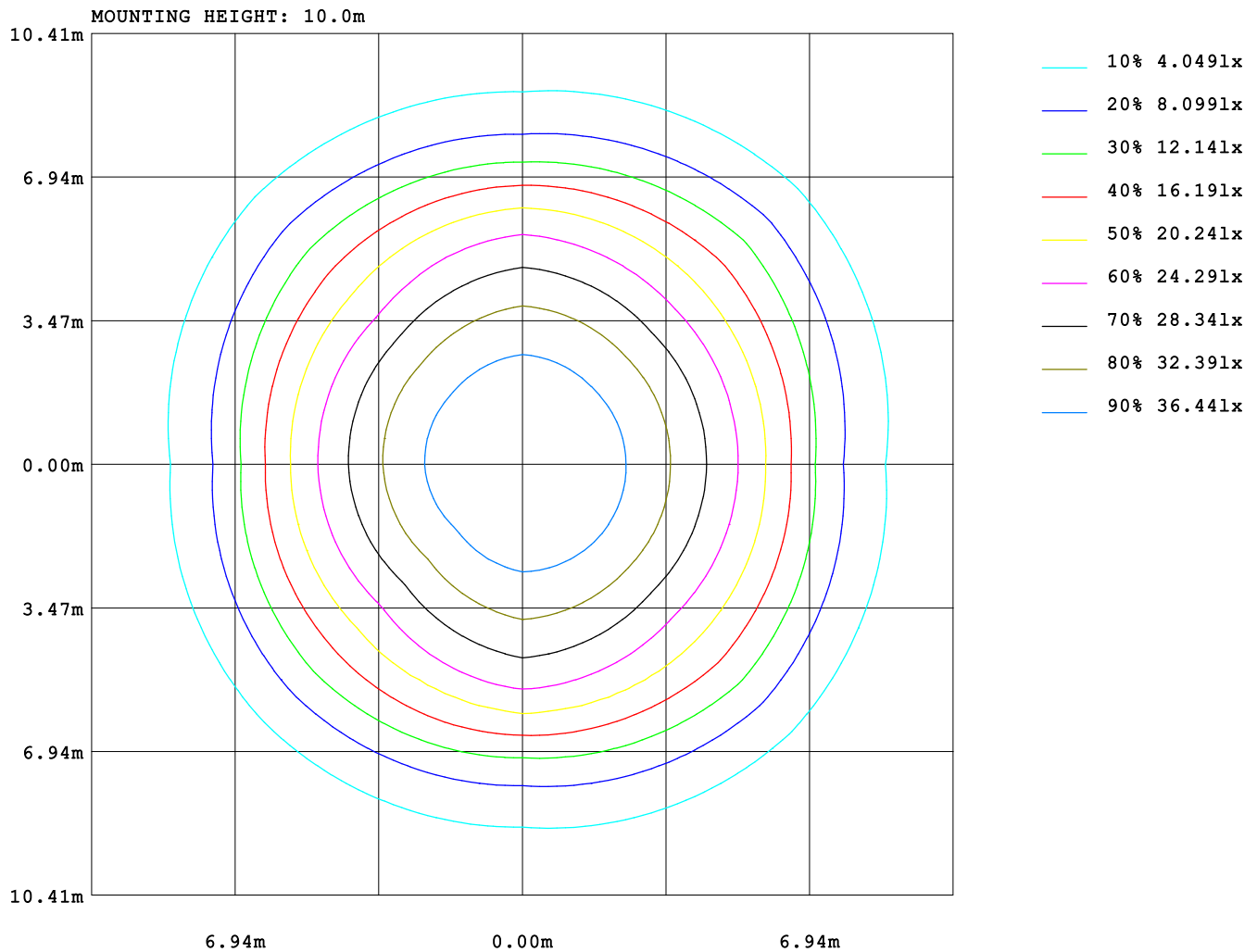
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Temperature: 25.3 DEG
Operators:
Test Date: 2024-6-30

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Humidity: 65.0%
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Remarks:

ISOLUX DIAGRAM

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Uncorrected UGR Table

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NAME: Elka	TYPE: IL-PL20-N04040-75		WEIGHT:	
SPECIFICATION: Ra80 4000K	DIMENSION: 595X595		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	12.3	13.4	12.6	13.6	13.8	12.4	13.5	12.7	13.7	13.8
3H	12.2	13.2	12.5	13.4	13.6	12.3	13.3	12.6	13.5	13.7
4H	12.2	13.1	12.5	13.3	13.6	12.3	13.2	12.6	13.4	13.7
6H	12.1	13.0	12.4	13.2	13.5	12.2	13.1	12.5	13.3	13.6
8H	12.1	12.9	12.4	13.2	13.5	12.2	13.0	12.5	13.3	13.6
12H	12.1	12.9	12.4	13.1	13.4	12.2	13.0	12.5	13.2	13.5
4H 2H	12.1	13.0	12.4	13.3	13.5	12.2	13.1	12.5	13.3	13.6
3H	12.1	12.8	12.4	13.1	13.4	12.1	12.9	12.5	13.2	13.5
4H	12.0	12.7	12.4	13.0	13.4	12.1	12.8	12.5	13.1	13.5
6H	12.0	12.6	12.4	13.0	13.3	12.1	12.7	12.5	13.1	13.4
8H	12.0	12.6	12.4	12.9	13.3	12.1	12.7	12.5	13.0	13.4
12H	11.9	12.5	12.4	12.8	13.2	12.1	12.6	12.5	13.0	13.4
8H 4H	11.9	12.5	12.3	12.9	13.2	12.0	12.6	12.4	13.0	13.3
6H	11.9	12.4	12.4	12.8	13.2	12.0	12.5	12.5	12.9	13.3
8H	11.9	12.3	12.4	12.8	13.2	12.0	12.5	12.5	12.9	13.3
12H	11.9	12.2	12.4	12.7	13.2	12.0	12.4	12.5	12.8	13.3
12H 4H	11.9	12.4	12.3	12.8	13.2	12.0	12.5	12.4	12.9	13.3
6H	11.9	12.3	12.3	12.7	13.2	12.0	12.4	12.4	12.8	13.3
8H	11.9	12.2	12.4	12.7	13.2	12.0	12.4	12.5	12.8	13.3
Variations with the observer position at spacings:										
S = 1.0H	+ 2.5 / - 6.5					+ 2.4 / - 6.1				
1.5H	+ 4.4 / - 5.7					+ 4.4 / - 5.4				
2.0H	+ 4.4 / - 2.7					+ 4.1 / - 2.3				

CIE Pub.117 Corrected 5337 lm Total Lamp Luminous Flux. (8log(F/F0) = 5.8)

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