

LUMINAIRE PHOTOMETRIC TEST REPORT

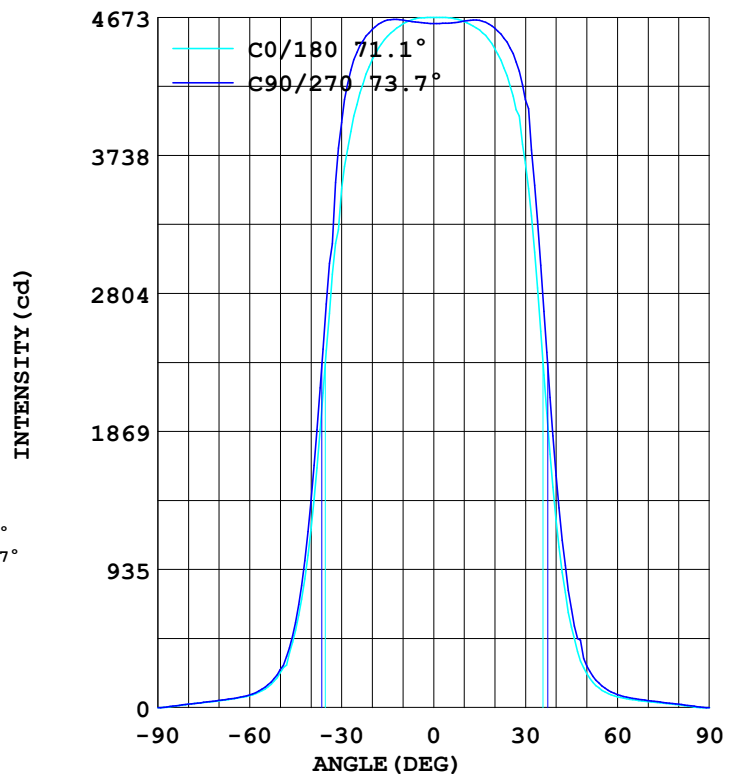
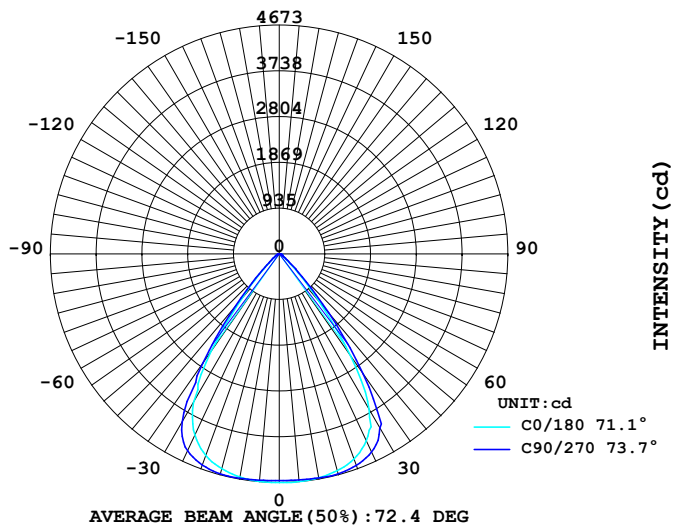
Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Elka	TYPE: IL-PL20-N04840-75	WEIGHT:
SPECIFICATION: Ra80 4000K	DIMENSION: 595X595	SERIAL No.:

DATA OF LAMP		Imax(cd)	4673	S/MH (C0/180)	1.02
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.05
NOMINAL POWER(W)	48	TOTAL FLUX(lm)	6169.0	Voltage(V)	217.1
RATED VOLTAGE (V)	218	EFFICIENCY (lm/W)	140.9	Current(A)	0.210
NOMINAL FLUX(lm)	6169.1	η up (%)	0.0	Power(W)	43.79
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.958
TEST VOLTAGE (V)	217.1	Effective Flux(lm)	6169.1	EEI	0.097

LUMINOUS INTENSITY DISTRIBUTION

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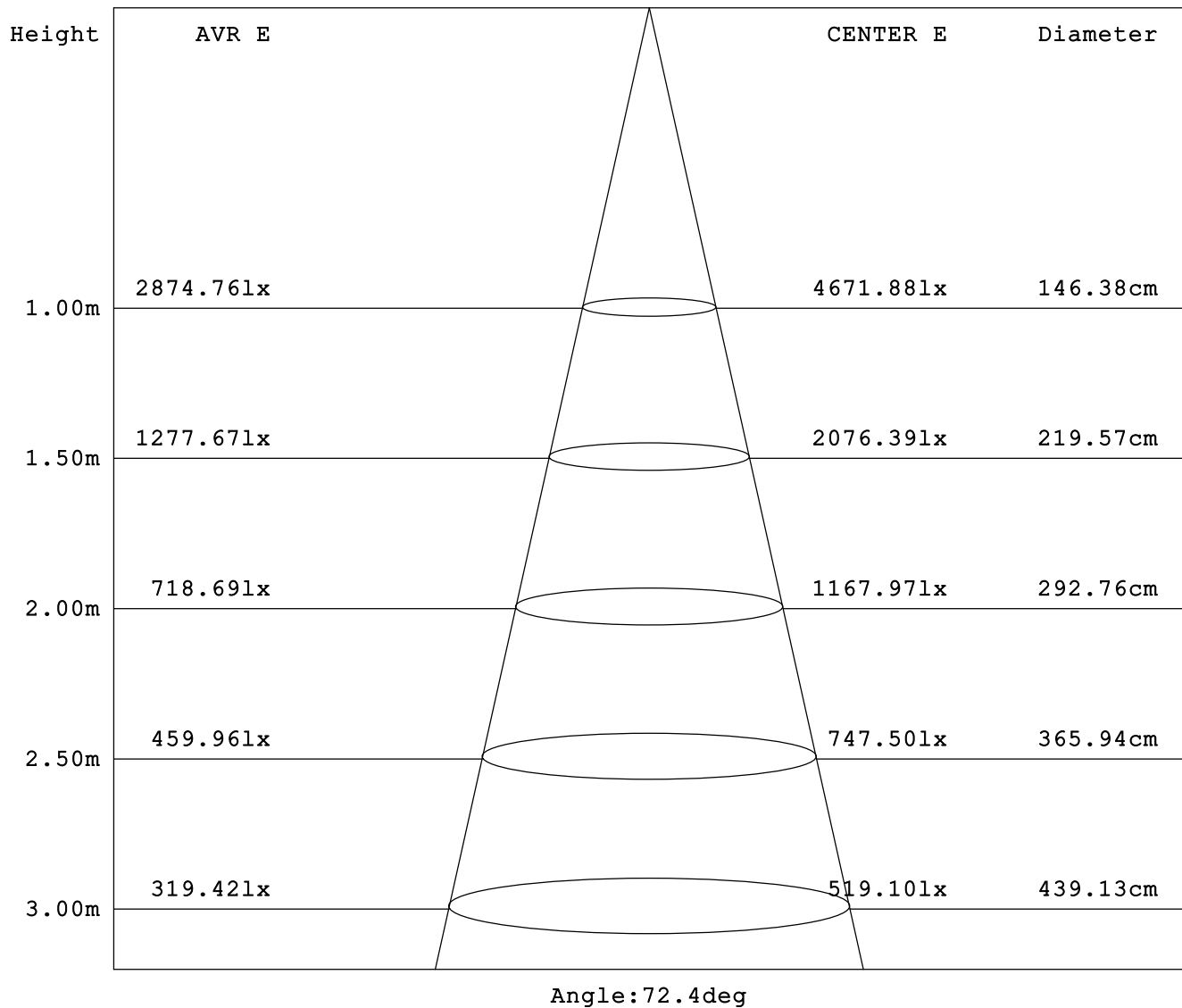
Test System:
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2024-6-30

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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γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	4667	4647	4639	4620	4670	4646	4633	4615	0- 5	110.9	110.9
10.0	4627	4627	4654	4610	4644	4641	4648	4598	5- 10	331.8	442.8
15.0	4543	4541	4653	4558	4586	4606	4653	4529	10- 15	546.8	989.6
20.0	4388	4344	4591	4404	4461	4487	4599	4359	15- 20	745.8	1736
25.0	4082	4026	4436	4100	4210	4216	4467	4065	20- 25	909.0	2645
30.0	3512	3583	3962	3650	3685	3804	4115	3656	25- 30	1010	3655
35.0	2416	2833	2733	2918	2547	3156	2995	3000	30- 35	977.3	4632
40.0	1198	1599	1390	1631	1265	1950	1569	1872	35- 40	728.1	5361
45.0	521.5	615.4	574.4	603.8	542.4	763.5	667.1	759.7	40- 45	384.6	5745
50.0	235.0	268.7	257.5	261.0	228.2	288.3	281.4	289.6	45- 50	169.4	5915
55.0	124.7	153.3	136.7	146.9	116.4	174.5	145.6	178.0	50- 55	86.54	6001
60.0	80.27	97.97	85.27	93.68	72.77	110.1	88.37	112.4	55- 60	53.76	6055
65.0	60.27	68.88	62.67	65.37	53.08	76.68	61.98	78.87	60- 65	37.96	6093
70.0	45.48	52.27	47.87	49.18	40.27	57.17	47.27	59.37	65- 70	29.05	6122
75.0	33.87	37.27	35.07	33.87	29.38	41.58	34.57	43.98	70- 75	22.53	6144
80.0	21.98	21.28	22.68	18.58	17.87	24.58	22.08	26.97	75- 80	15.54	6160
85.0	7.480	5.180	9.480	2.680	3.780	8.379	9.080	10.48	80- 85	7.969	6168
90.0	0	0	0	0	0	0	0	0	85- 90	1.122	6169
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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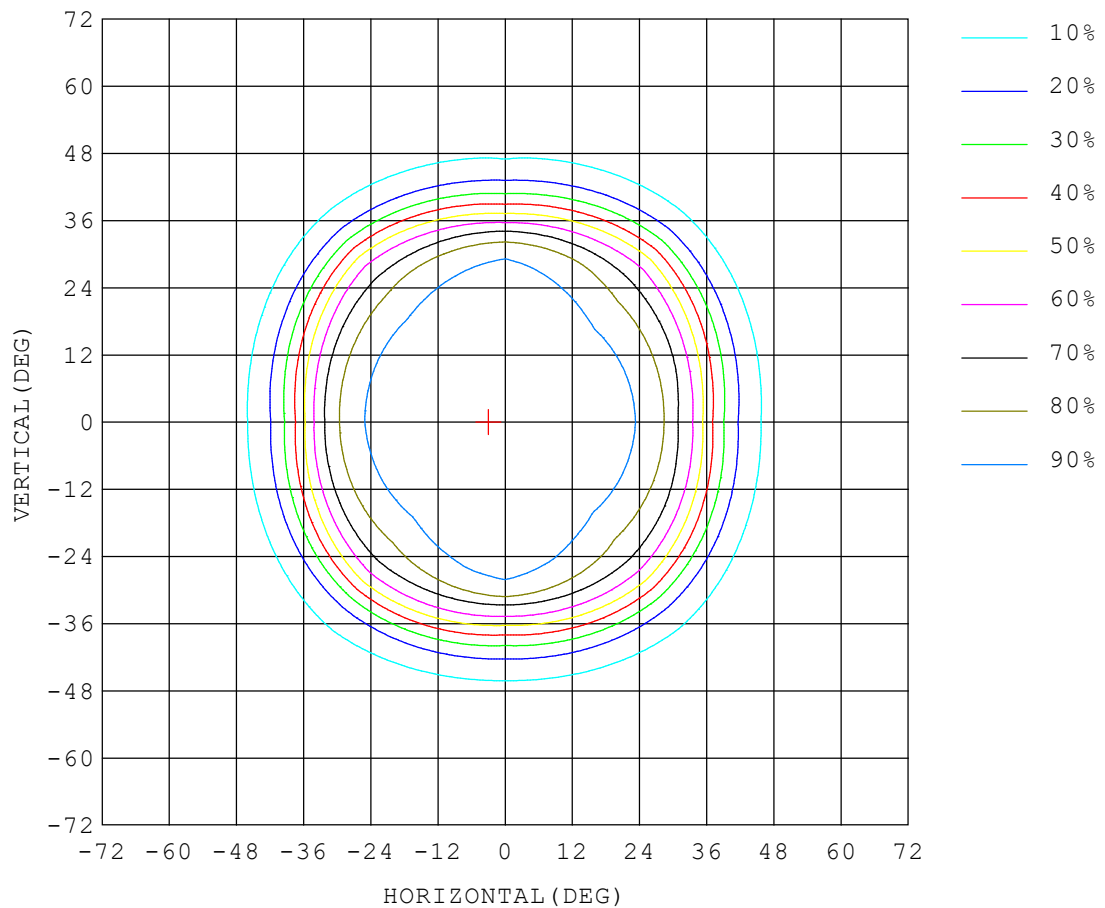
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ISOCANDELA DIAGRAM

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UNIT: cd



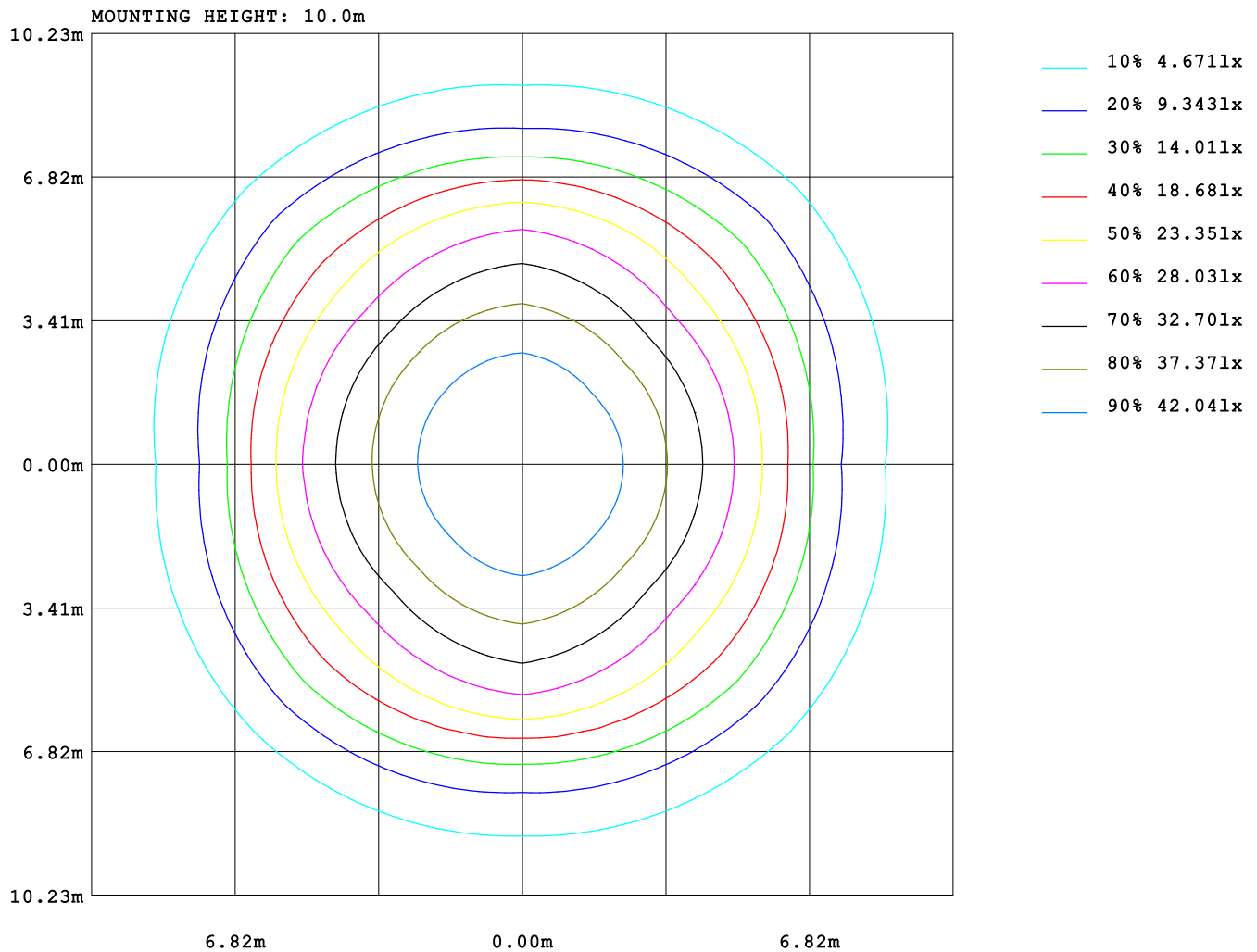
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ISOLUX DIAGRAM

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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	12.2	13.3	12.4	13.4	13.6	12.5	13.6	12.7	13.7	13.9
3H	12.1	13.1	12.4	13.3	13.5	12.4	13.4	12.7	13.6	13.8
4H	12.1	13.0	12.4	13.2	13.5	12.4	13.3	12.7	13.5	13.8
6H	12.1	12.9	12.4	13.2	13.4	12.3	13.2	12.6	13.4	13.7
8H	12.0	12.9	12.3	13.1	13.4	12.3	13.1	12.6	13.4	13.7
12H	12.0	12.8	12.3	13.1	13.3	12.3	13.1	12.6	13.3	13.6
4H 2H	12.0	12.9	12.3	13.1	13.4	12.3	13.2	12.6	13.4	13.7
3H	12.0	12.8	12.3	13.0	13.3	12.2	13.0	12.6	13.3	13.6
4H	12.0	12.7	12.3	13.0	13.3	12.2	13.0	12.6	13.3	13.6
6H	12.0	12.6	12.3	12.9	13.3	12.2	12.9	12.6	13.2	13.5
8H	12.0	12.5	12.3	12.9	13.3	12.2	12.8	12.6	13.2	13.5
12H	11.9	12.5	12.3	12.8	13.2	12.2	12.7	12.6	13.1	13.5
8H 4H	11.9	12.5	12.3	12.8	13.2	12.2	12.7	12.5	13.1	13.5
6H	11.9	12.4	12.3	12.8	13.2	12.2	12.7	12.6	13.0	13.5
8H	11.9	12.3	12.4	12.8	13.2	12.2	12.6	12.6	13.0	13.5
12H	11.9	12.3	12.4	12.7	13.2	12.2	12.5	12.6	13.0	13.4
12H 4H	11.8	12.4	12.3	12.7	13.1	12.1	12.6	12.5	13.0	13.4
6H	11.9	12.3	12.3	12.7	13.2	12.1	12.6	12.6	13.0	13.4
8H	11.9	12.2	12.4	12.7	13.2	12.2	12.5	12.6	13.0	13.4
Variations with the observer position at spacings:										
S = 1.0H	+ 2.3 / - 5.5					+ 2.7 / - 5.8				
1.5H	+ 4.3 / - 4.8					+ 4.8 / - 5.2				
2.0H	+ 3.9 / - 2.2					+ 4.2 / - 2.3				

CIE Pub.117 Corrected 6169 lm Total Lamp Luminous Flux. (8log(F/F0) = 6.3)

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