

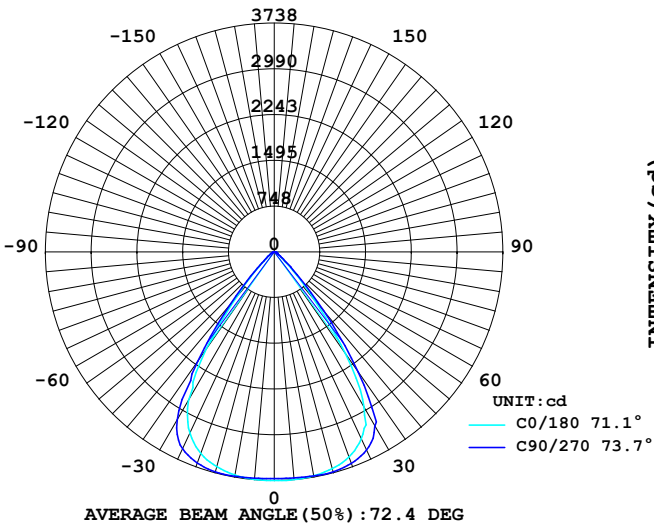
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

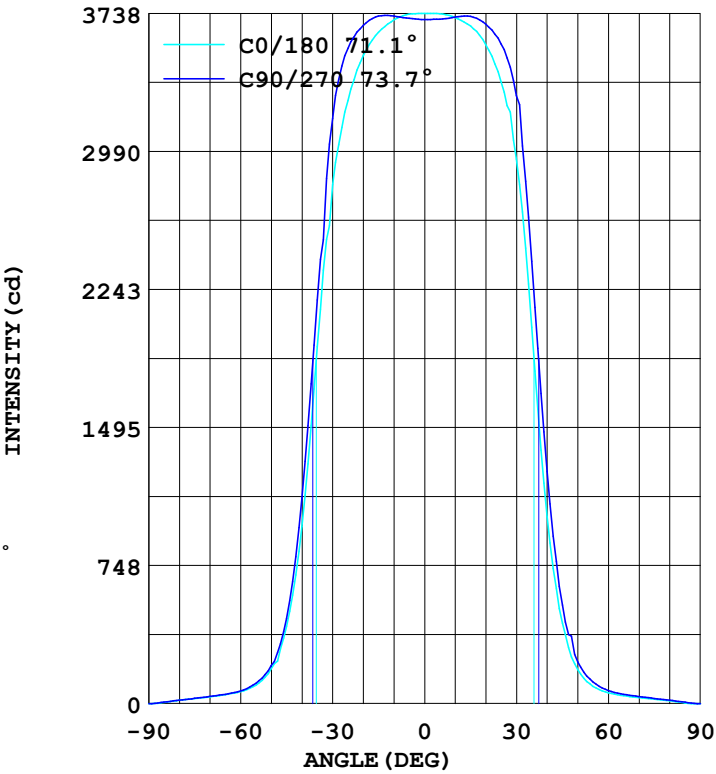
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Elka	TYPE: IL-PL20-N03640-75	WEIGHT:
SPECIFICATION: Ra80 4000K	DIMENSION: 595X595	SERIAL No.:

DATA OF LAMP		Imax(cd)	3738	S/MH (C0/180)	1.02
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.05
NOMINAL POWER(W)	36	TOTAL FLUX(lm)	4935.0	Voltage(V)	217.1
RATED VOLTAGE (V)	218	EFFICIENCY (lm/W)	146.1	Current(A)	0.210
NOMINAL FLUX(lm)	4935.1	η up (%)	0.0	Power(W)	33.79
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.958
TEST VOLTAGE (V)	217.1	Effective Flux(lm)	0.0	EEI	0.000

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



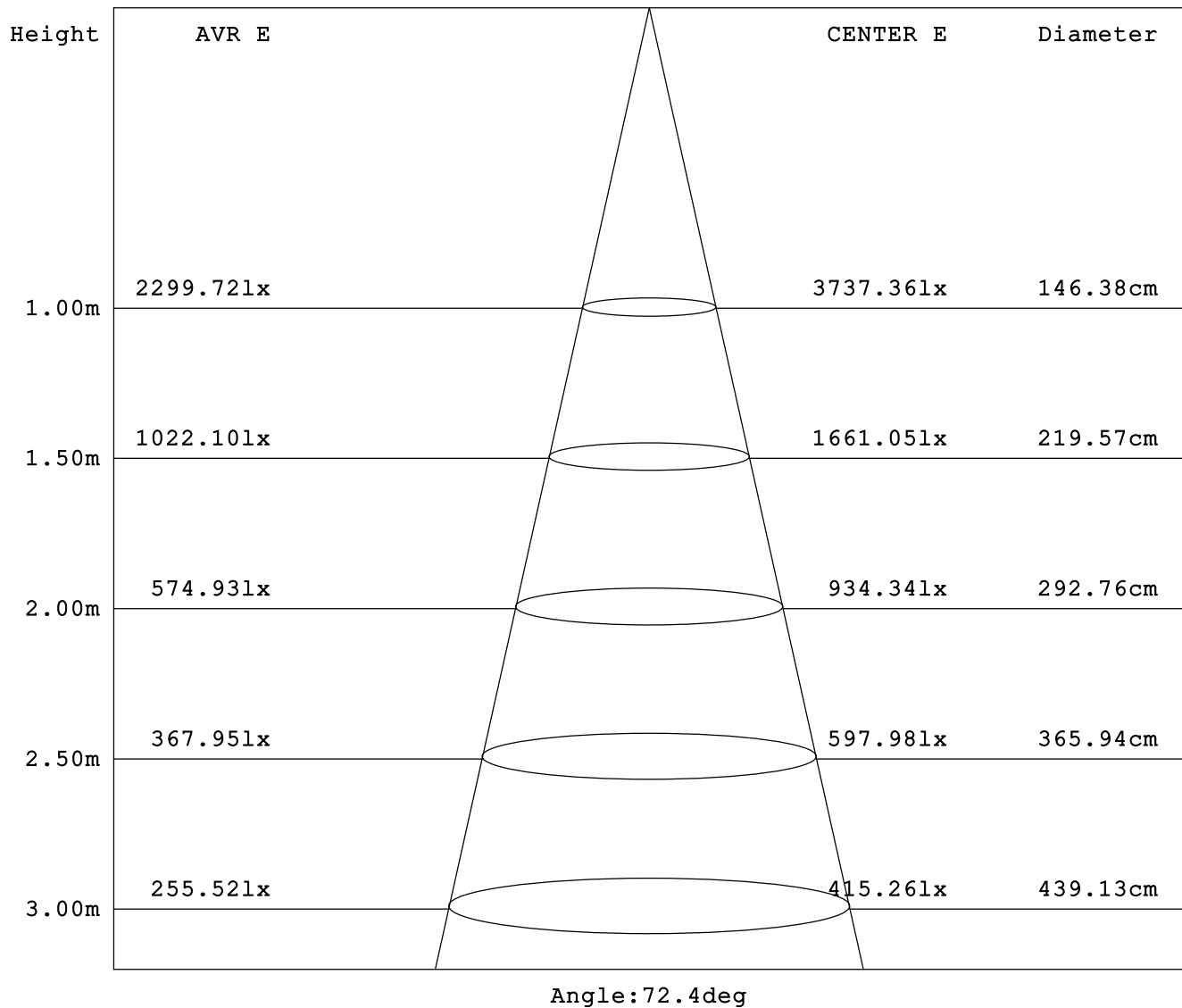
Test System:
Temperature:25.3DEG
Operators:
Test Date:2024-6-30

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: 595X595	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	3733	3718	3711	3696	3736	3717	3706	3692	0- 5	88.78	88.78
10.0	3702	3701	3723	3688	3715	3712	3718	3678	5- 10	265.4	354.2
15.0	3635	3632	3723	3646	3669	3684	3722	3623	10- 15	437.4	791.7
20.0	3510	3475	3672	3523	3569	3590	3679	3487	15- 20	596.6	1388
25.0	3265	3221	3548	3280	3368	3373	3573	3252	20- 25	727.2	2116
30.0	2809	2867	3169	2920	2948	3043	3292	2924	25- 30	808.2	2924
35.0	1932	2266	2186	2334	2038	2525	2396	2400	30- 35	781.8	3706
40.0	958.0	1279	1112	1305	1012	1560	1256	1497	35- 40	582.4	4288
45.0	417.2	492.3	459.5	483.0	433.9	610.8	533.7	607.8	40- 45	307.6	4596
50.0	188.0	215.0	206.0	208.8	182.6	230.6	225.1	231.7	45- 50	135.5	4731
55.0	99.82	122.6	109.4	117.5	93.18	139.6	116.5	142.4	50- 55	69.23	4801
60.0	64.22	78.38	68.22	74.94	58.22	88.14	70.70	89.98	55- 60	43.00	4844
65.0	48.22	55.10	50.14	52.30	42.46	61.34	49.58	63.10	60- 65	30.37	4874
70.0	36.38	41.82	38.30	39.34	32.22	45.74	37.82	47.50	65- 70	23.24	4897
75.0	27.10	29.82	28.06	27.10	23.50	33.26	27.66	35.18	70- 75	18.03	4915
80.0	17.58	17.02	18.14	14.86	14.30	19.66	17.66	21.58	75- 80	12.43	4928
85.0	5.983	4.143	7.583	2.143	3.023	6.703	7.263	8.383	80- 85	6.375	4934
90.0	0	0	0	0	0	0	0	0	85- 90	0.898	4935
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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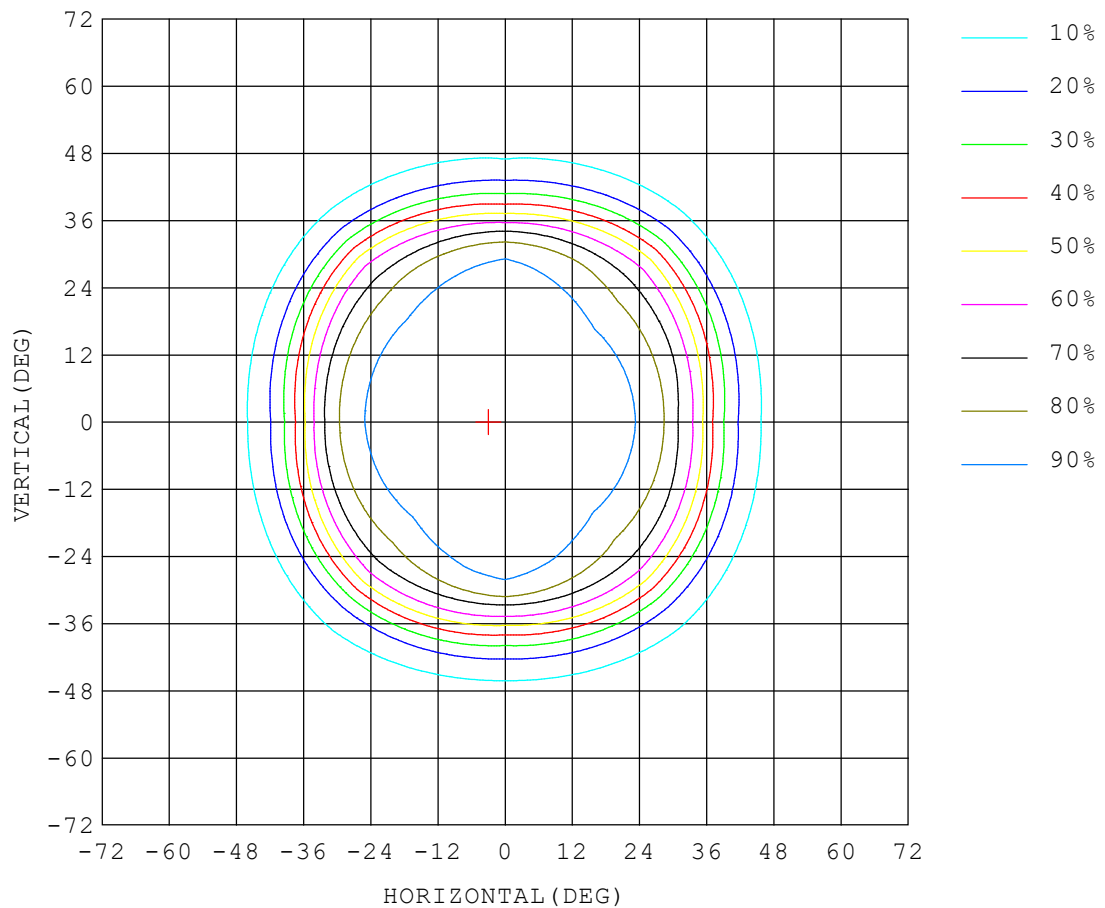
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ISOCANDELA DIAGRAM

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

UNIT: cd



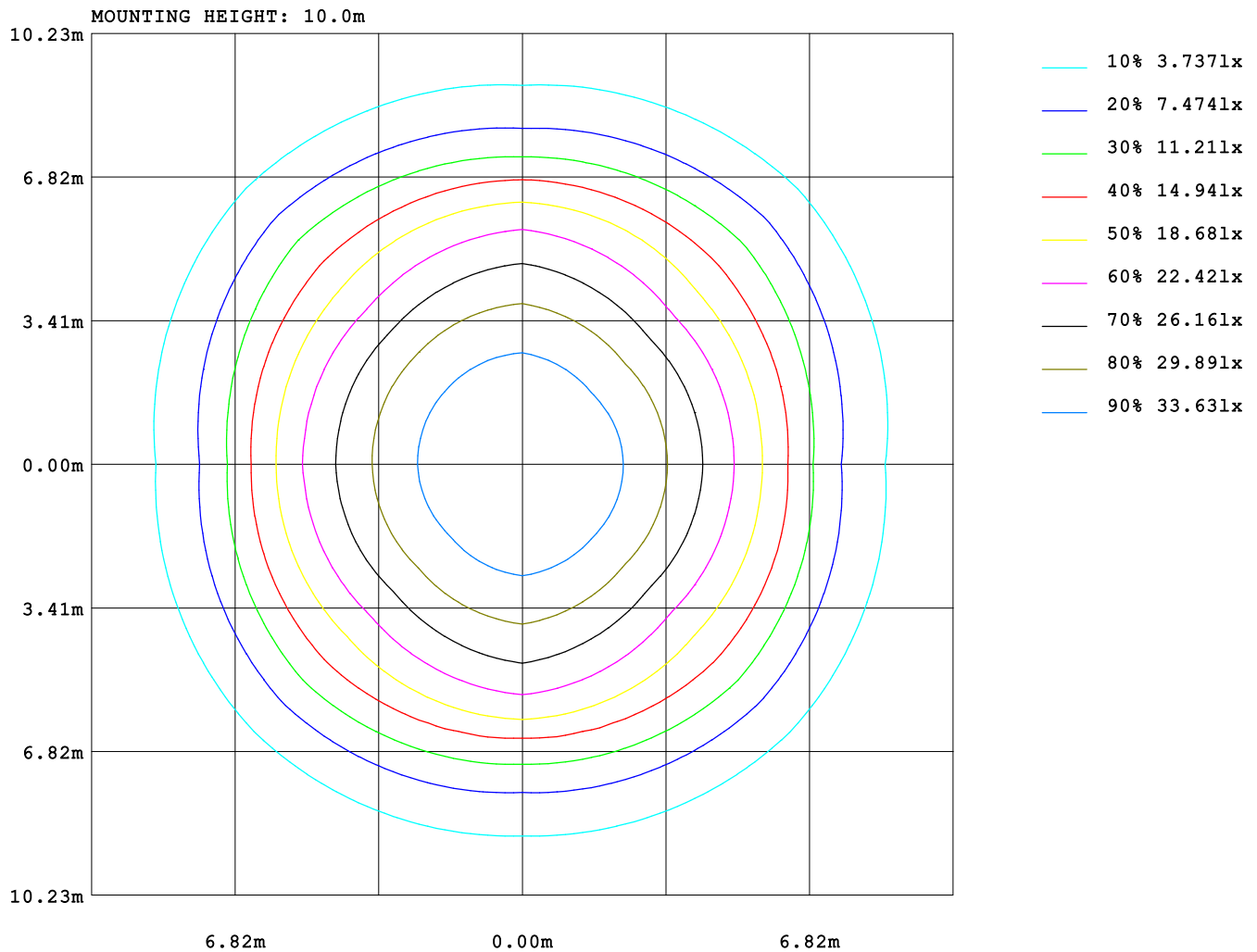
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Temperature: 25.3 DEG
Operators:
Test Date: 2024-6-30

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

ISOLUX DIAGRAM

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



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Uncorrected UGR Table

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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	11.4	12.5	11.7	12.7	12.8	11.7	12.8	12.0	13.0	13.1
3H	11.3	12.3	11.6	12.5	12.7	11.6	12.6	11.9	12.8	13.0
4H	11.3	12.2	11.6	12.5	12.7	11.6	12.5	11.9	12.7	13.0
6H	11.3	12.1	11.6	12.4	12.6	11.6	12.4	11.9	12.7	12.9
8H	11.3	12.1	11.6	12.3	12.6	11.5	12.4	11.9	12.6	12.9
12H	11.2	12.0	11.5	12.3	12.6	11.5	12.3	11.8	12.6	12.9
4H 2H	11.2	12.1	11.5	12.4	12.6	11.5	12.4	11.8	12.7	12.9
3H	11.2	12.0	11.5	12.3	12.5	11.5	12.3	11.8	12.5	12.8
4H	11.2	11.9	11.5	12.2	12.5	11.5	12.2	11.8	12.5	12.8
6H	11.2	11.8	11.6	12.1	12.5	11.5	12.1	11.8	12.4	12.8
8H	11.2	11.8	11.6	12.1	12.5	11.5	12.0	11.8	12.4	12.8
12H	11.1	11.7	11.6	12.1	12.4	11.4	12.0	11.8	12.3	12.7
8H 4H	11.1	11.7	11.5	12.0	12.4	11.4	12.0	11.8	12.3	12.7
6H	11.1	11.6	11.6	12.0	12.4	11.4	11.9	11.8	12.3	12.7
8H	11.1	11.6	11.6	12.0	12.4	11.4	11.8	11.9	12.2	12.7
12H	11.1	11.5	11.6	11.9	12.4	11.4	11.8	11.9	12.2	12.7
12H 4H	11.1	11.6	11.5	12.0	12.4	11.3	11.9	11.7	12.2	12.6
6H	11.1	11.5	11.5	11.9	12.4	11.4	11.8	11.8	12.2	12.6
8H	11.1	11.5	11.6	11.9	12.4	11.4	11.7	11.8	12.2	12.6
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 4935 lm Total Lamp Luminous Flux. (8log(F/F0) = 5.5)

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