

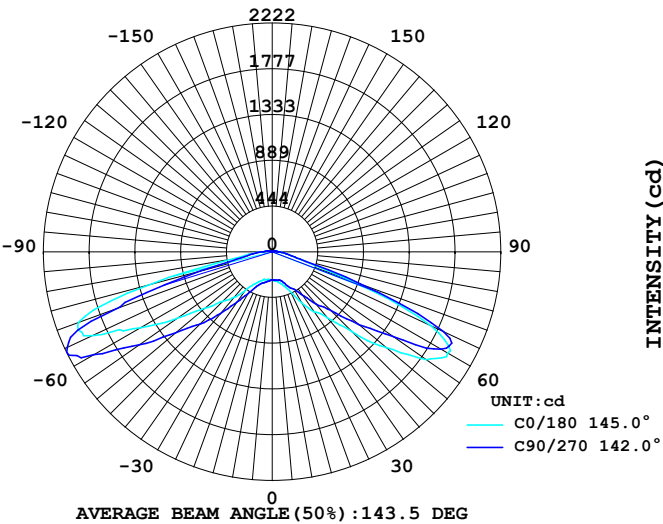
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

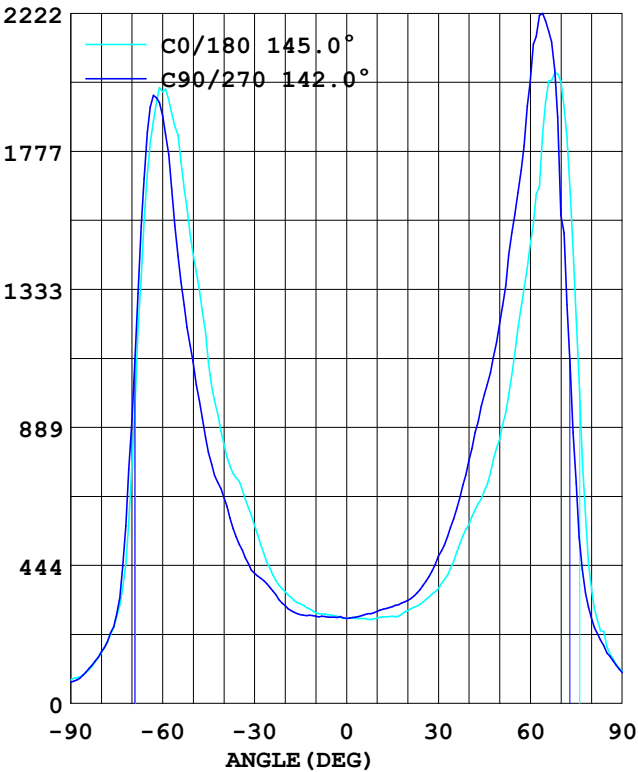
MANUFACTURER:ILUMEN GMBH			
Address:			
NAME: Liam		TYPE: IL-PO30-N0402C-TY5	WEIGHT:
SPECIFICATION: 2835LED 140deg	CCT (K) : 4000	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax (cd)	2222	S/MH (C0/180)	3.47
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	3.52
NOMINAL POWER(W)	42	TOTAL FLUX(lm)	5513.6	Voltage(V)	231.3
RATED VOLTAGE (V)	232	EFFICIENCY (lm/W)	129.8	Current(A)	0.197
NOMINAL FLUX(lm)	5513.7	η up (%)	2.7	Power(W)	42.48
LAMPS QUANTITY	1	η down (%)	97.3	Power Factor (PF)	0.929
TEST VOLTAGE (V)	231.4	Effective Flux(lm)	5513.7	EEl	0.105

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:

Temperature:25.3DEG

Operators:

Test Date:2024.11.14

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

Humidity:65.0%

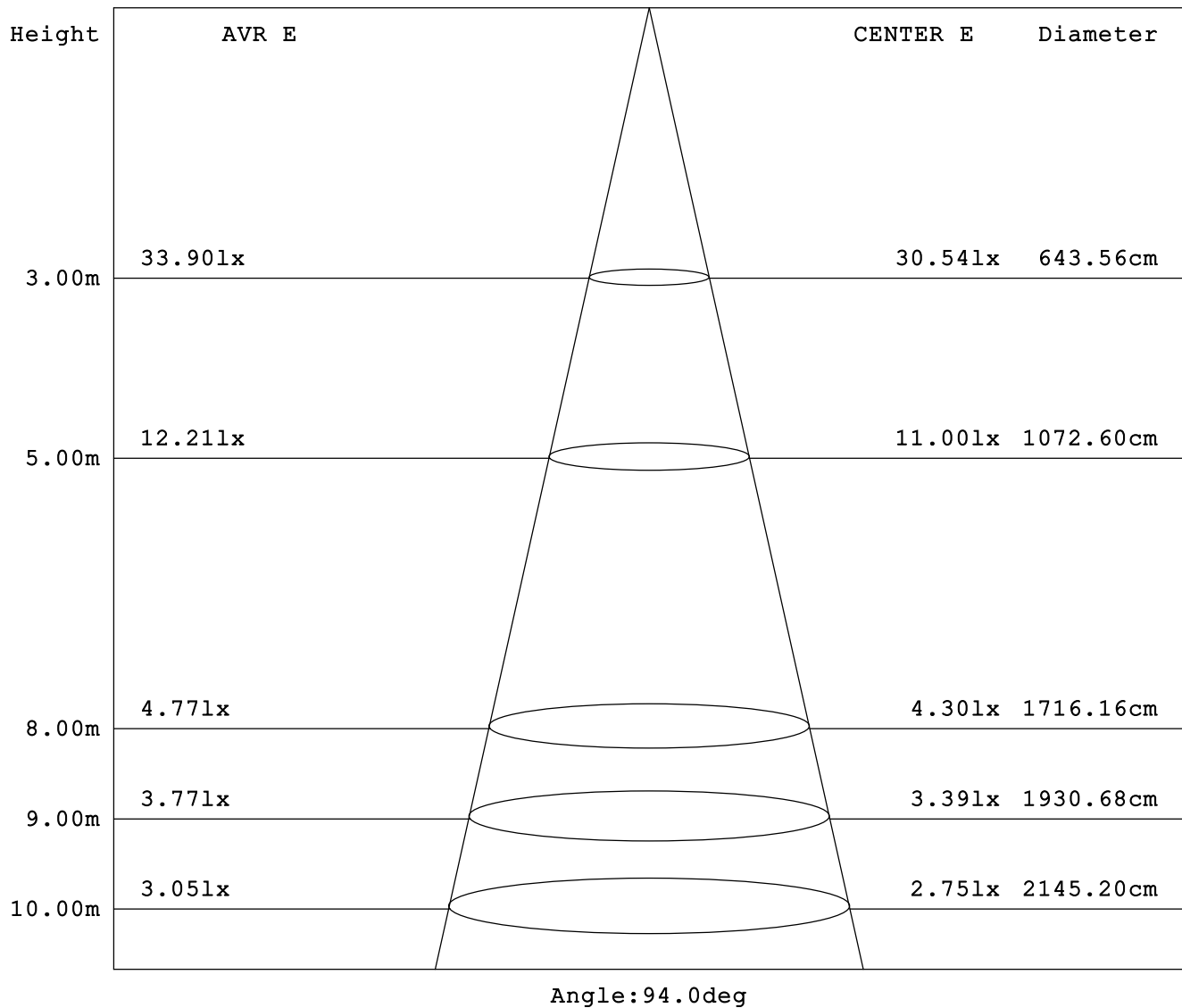
Test Distance:10.000 m

Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER:			
Address:			
NAME: Liam		TYPE: IL-PO30-N0402C-TY5	WEIGHT:
SPECIFICATION: 2835LED 140deg	CCT (K) : 4000	DIMENSION:	SERIAL No.:



Test System:
Temperature:25.3DEG
Operators:
Test Date:2024.11.14

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

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Liam		TYPE: IL-PO30-N0402C-TY5	WEIGHT:
SPECIFICATION: 2835LED 140deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

γ	C0	C90	C180	C270					γ	Zone	total
5.0	284.8	277.4	273.4	282.8					0- 5	6.640	6.640
10.0	291.6	281.1	275.0	296.1					5- 10	20.19	26.83
15.0	321.3	285.6	280.3	311.6					10- 15	34.85	61.68
20.0	359.0	314.5	298.2	331.7					15- 20	51.23	112.9
25.0	435.5	373.3	326.5	379.4					20- 25	73.49	186.4
30.0	572.5	419.1	368.9	473.0					25- 30	105.7	292.1
35.0	715.4	512.6	458.5	594.2					30- 35	150.7	442.9
40.0	836.2	663.9	576.6	783.5					35- 40	213.2	656.1
45.0	1095	806.7	684.2	995.2					40- 45	296.9	953.1
50.0	1447	1099	851.7	1226					45- 50	414.2	1367
55.0	1831	1440	1125	1573					50- 55	572.1	1940
60.0	1968	1891	1474	1999					55- 60	773.1	2713
65.0	1702	1837	1933	2197					60- 65	929.5	3642
70.0	770.5	911.8	2002	1571					65- 70	847.7	4490
75.0	278.2	285.9	1237	707.9					70- 75	504.1	4994
80.0	162.4	165.3	365.5	272.7					75- 80	212.4	5207
85.0	98.95	100.6	181.3	162.4					80- 85	99.90	5307
90.0	76.13	68.23	102.9	99.74					85- 90	59.51	5366
95.0	54.11	47.86	69.75	68.83					90- 95	39.33	5405
100.0	41.55	36.62	48.13	52.48					95-100	28.31	5434
105.0	32.28	28.49	35.57	41.14					100-105	21.01	5455
110.0	23.51	21.57	28.00	32.91					105-110	15.98	5471
115.0	16.34	14.24	21.02	23.68					110-115	11.35	5482
120.0	11.85	10.53	14.44	17.36					115-120	7.650	5490
125.0	9.566	7.526	10.66	12.64					120-125	5.429	5495
130.0	9.367	7.024	7.673	9.432					125-130	3.975	5499
135.0	8.869	7.024	6.975	9.031					130-135	3.286	5502
140.0	7.972	6.522	7.075	8.629					135-140	2.892	5505
145.0	6.876	5.619	6.776	7.927					140-145	2.401	5508
150.0	6.078	4.816	5.979	6.924					145-150	1.878	5510
155.0	5.480	4.214	5.281	6.020					150-155	1.413	5511
160.0	4.982	3.712	4.683	5.418					155-160	1.044	5512
165.0	4.683	3.411	4.285	5.017					160-165	0.745	5513
170.0	4.384	3.110	4.085	4.616					165-170	0.499	5513
175.0	4.285	3.010	3.886	4.415					170-175	0.285	5514
180.0	4.185	3.010	4.085	4.214					175-180	0.092	5514
DEG	LUMINOUS INTENSITY:cd								UNIT:lm		

Test System:
 Temperature:25.3DEG
 Operators:
 Test Date:2024.11.14

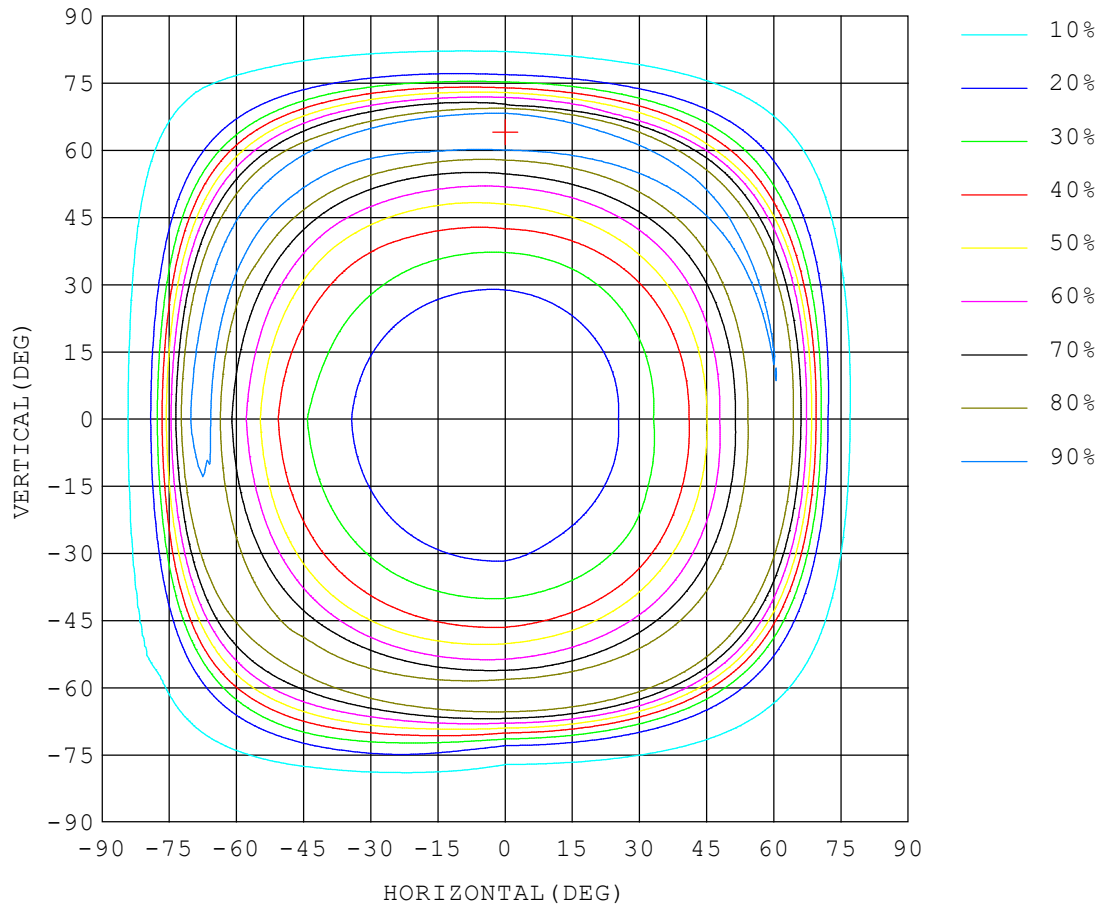
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Liam		TYPE: IL-PO30-N0402C-TY5	WEIGHT:
SPECIFICATION: 2835LED 140deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

UNIT: cd



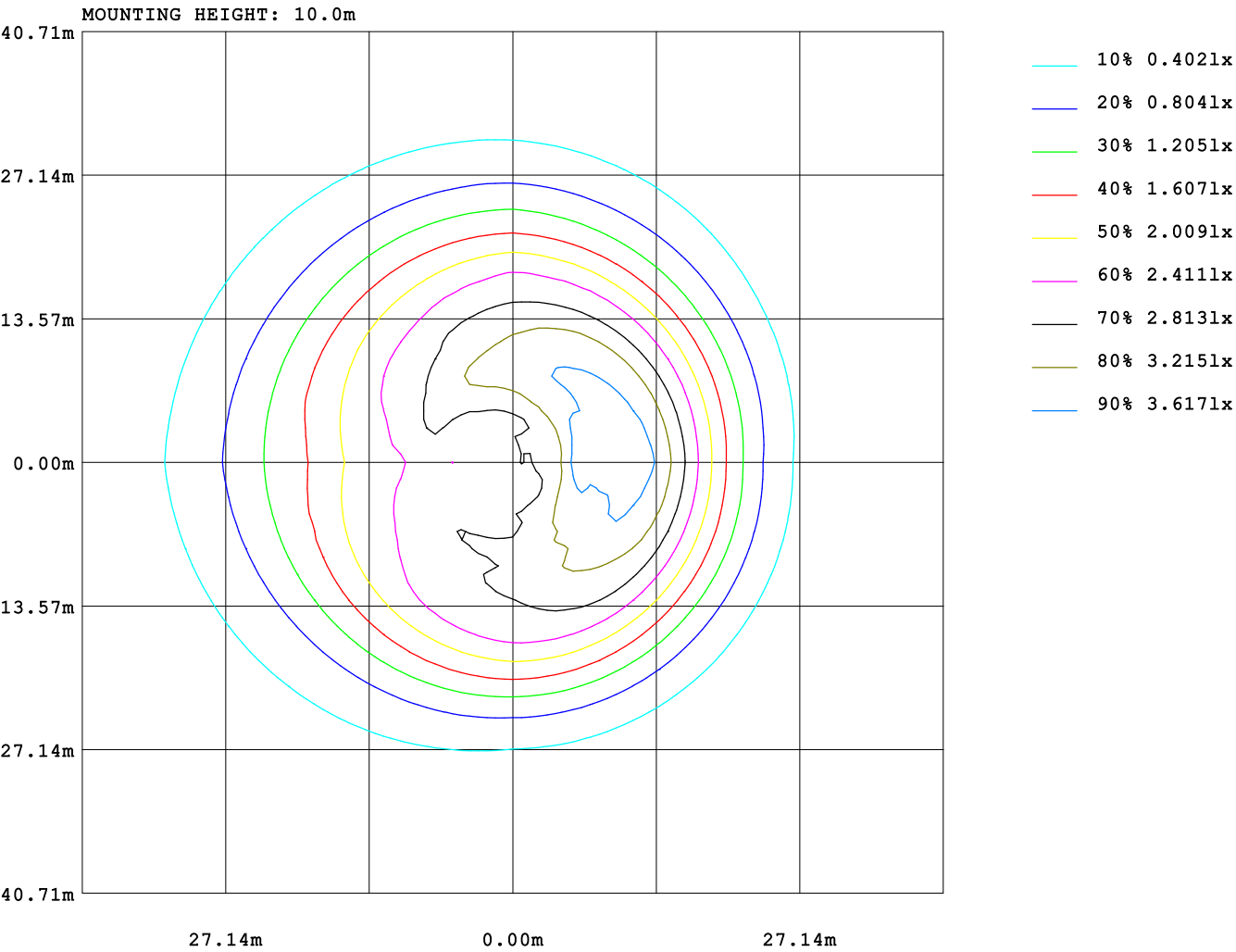
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Operators:
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ISOLUX DIAGRAM

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Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Liam		TYPE: IL-PO30-N0402C-TY5	WEIGHT:
SPECIFICATION: 2835LED 140deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

UNIT: cd

C (DEG) γ (DEG)	0	90	180	270
0.0	274	274	274	274
5.0	285	277	273	283
10.0	292	281	275	296
15.0	321	286	280	312
20.0	359	315	298	332
25.0	436	373	327	379
30.0	573	419	369	473
35.0	715	513	459	594
40.0	836	664	577	784
45.0	1095	807	684	995
50.0	1447	1099	852	1226
55.0	1831	1440	1125	1573
60.0	1968	1891	1474	1999
65.0	1702	1837	1933	2197
70.0	771	912	2002	1571
75.0	278	286	1237	708
80.0	162	165	366	273
85.0	98.9	101	181	162
90.0	76.1	68.2	103	99.7
95.0	54.1	47.8	69.7	68.8
100.0	41.5	36.6	48.1	52.4
105.0	32.2	28.4	35.5	41.1
110.0	23.5	21.5	28.0	32.9
115.0	16.3	14.2	21.0	23.6
120.0	11.8	10.5	14.4	17.3
125.0	9.56	7.52	10.6	12.6
130.0	9.36	7.02	7.67	9.43
135.0	8.86	7.02	6.97	9.03
140.0	7.97	6.52	7.07	8.62
145.0	6.87	5.61	6.77	7.92
150.0	6.07	4.81	5.97	6.92
155.0	5.48	4.21	5.28	6.02
160.0	4.98	3.71	4.68	5.41
165.0	4.68	3.41	4.28	5.01
170.0	4.38	3.11	4.08	4.61
175.0	4.28	3.01	3.88	4.41
180.0	4.18	3.01	4.08	4.21

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