

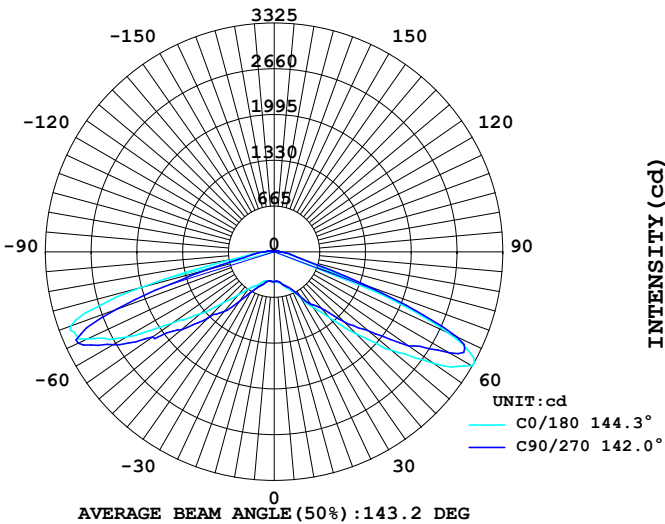
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

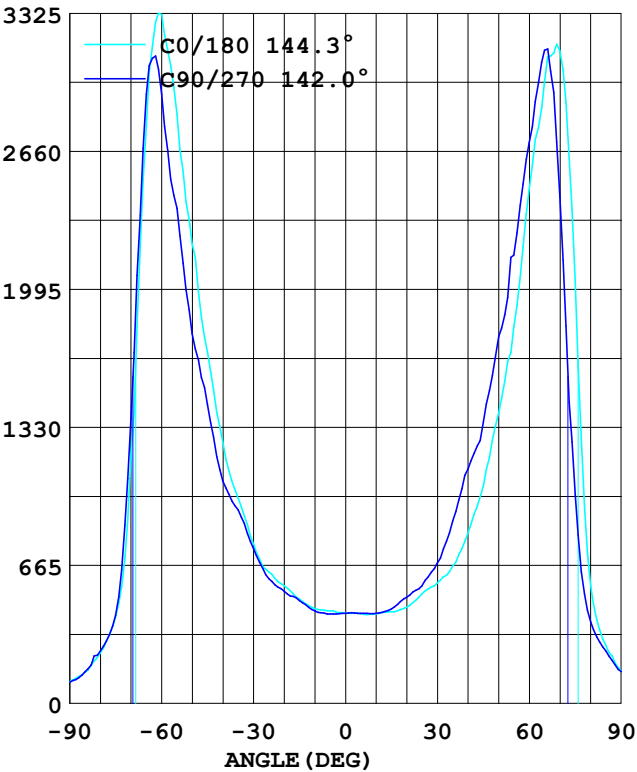
MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Liam		TYPE: IL-PO30-N0722C-TY5	WEIGHT:
SPECIFICATION: 2835LED 140deg	CCT (K) : 3000	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax (cd)	3325	S/MH (C0/180)	3.45
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	3.52
NOMINAL POWER(W)	72	TOTAL FLUX(lm)	8462.6	Voltage(V)	231.3
RATED VOLTAGE (V)	232	EFFICIENCY (lm/W)	118.5	Current(A)	0.318
NOMINAL FLUX(lm)	8462.7	η up (%)	2.6	Power(W)	71.40
LAMPS QUANTITY	1	η down (%)	97.4	Power Factor (PF)	0.969
TEST VOLTAGE (V)	231.3	Effective Flux(lm)	8462.7	EEL	0.115

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



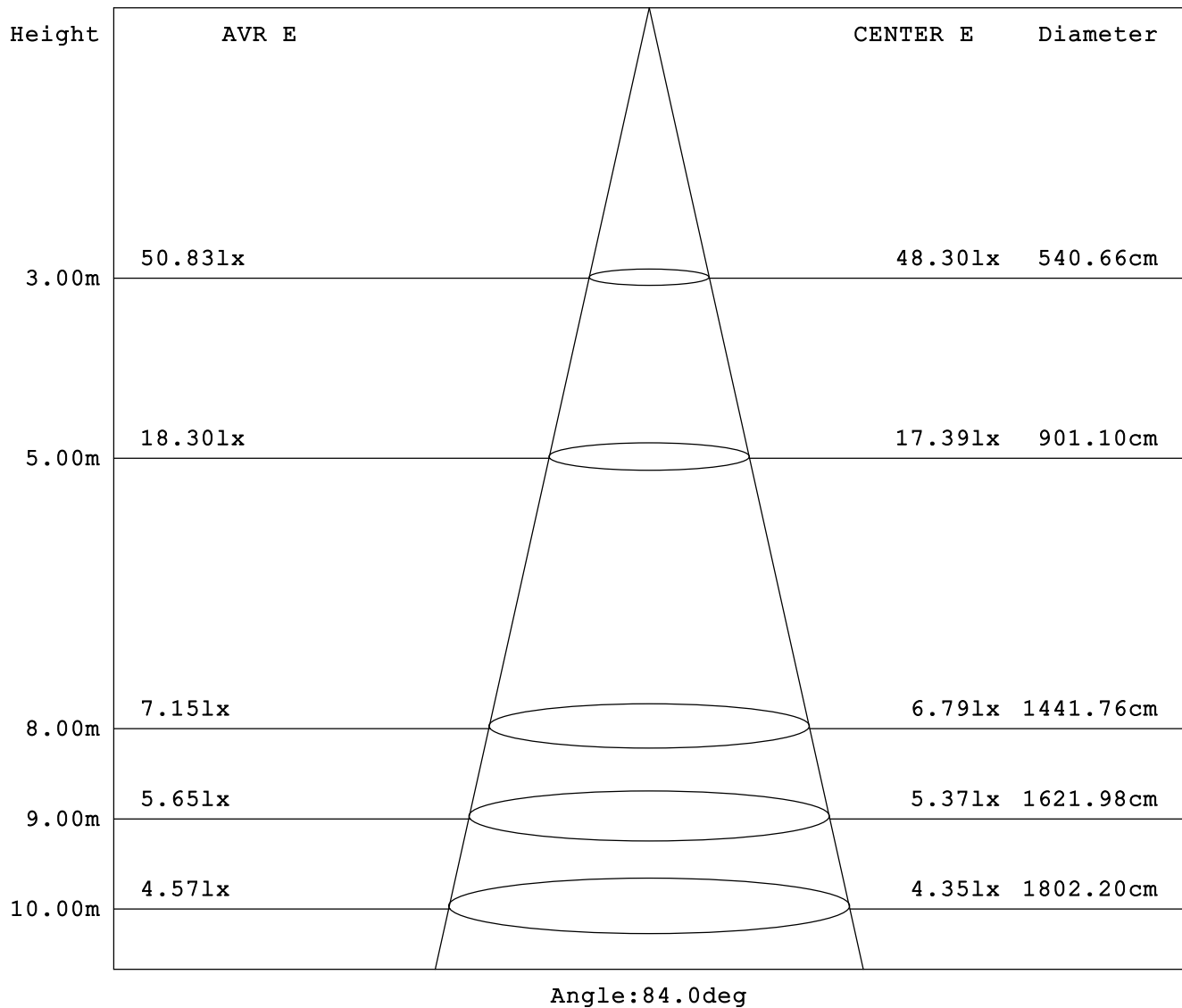
Test System:
Temperature:25.3DEG
Operators:
Test Date:2024.11.14

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

AVERAGE AND CENTER E Figure

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ZONAL FLUX DIAGRAM

Report number:

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Address:			
NAME: Liam		TYPE: IL-PO30-N0722C-TY5	WEIGHT:
SPECIFICATION: 2835LED 140deg	CCT (K) : 3000	DIMENSION:	SERIAL No. :

γ	C0	C90	C180	C270					γ	Zone	total
5.0	447.0	430.2	432.8	434.7					0- 5	10.42	10.42
10.0	457.3	445.8	431.6	433.3					5- 10	31.30	41.73
15.0	503.5	496.3	441.1	455.1					10- 15	54.29	96.02
20.0	566.6	541.1	463.8	511.0					15- 20	82.04	178.0
25.0	633.3	600.3	528.2	567.3					20- 25	115.5	293.5
30.0	768.8	745.6	580.4	676.7					25- 30	160.3	453.9
35.0	989.3	931.6	660.3	877.9					30- 35	228.8	682.7
40.0	1259	1071	821.7	1130					35- 40	320.8	1004
45.0	1694	1440	1048	1356					40- 45	450.8	1454
50.0	2216	1781	1402	1767					45- 50	641.2	2096
55.0	2836	2385	1813	2160					50- 55	883.3	2979
60.0	3320	2934	2476	2701					55- 60	1191	4170
65.0	2783	2934	2995	3146					60- 65	1447	5617
70.0	1191	1371	3144	2439					65- 70	1293	6909
75.0	417.1	425.0	2031	1005					70- 75	766.3	7676
80.0	243.6	251.8	567.8	394.5					75- 80	326.4	8002
85.0	149.6	152.0	278.6	252.7					80- 85	150.0	8152
90.0	105.0	103.1	155.7	153.7					85- 90	90.24	8242
95.0	79.31	73.16	100.5	109.9					90- 95	58.93	8301
100.0	61.45	55.82	72.83	81.98					95-100	42.96	8344
105.0	47.29	42.39	54.17	63.54					100-105	31.83	8376
110.0	34.52	31.27	41.80	50.71					105-110	23.98	8400
115.0	23.34	20.54	31.42	36.78					110-115	16.90	8417
120.0	17.06	14.63	21.25	25.55					115-120	11.24	8428
125.0	13.56	10.62	15.46	18.64					120-125	7.901	8436
130.0	13.36	9.922	11.07	13.63					125-130	5.699	8442
135.0	12.67	9.922	10.27	13.13					130-135	4.719	8447
140.0	11.27	9.121	10.47	12.62					135-140	4.161	8451
145.0	9.777	7.818	9.877	11.52					140-145	3.457	8454
150.0	8.480	6.715	8.779	10.02					145-150	2.688	8457
155.0	7.582	5.813	7.582	8.720					150-155	2.010	8459
160.0	6.884	5.212	6.684	7.717					155-160	1.472	8460
165.0	6.385	4.811	6.085	7.016					160-165	1.046	8461
170.0	5.986	4.510	5.686	6.515					165-170	0.697	8462
175.0	5.786	4.309	5.387	6.114					170-175	0.397	8463
180.0	5.686	4.410	5.587	5.813					175-180	0.128	8463
DEG	LUMINOUS INTENSITY:cd								UNIT:lm		

Test System:
Temperature:25.3DEG
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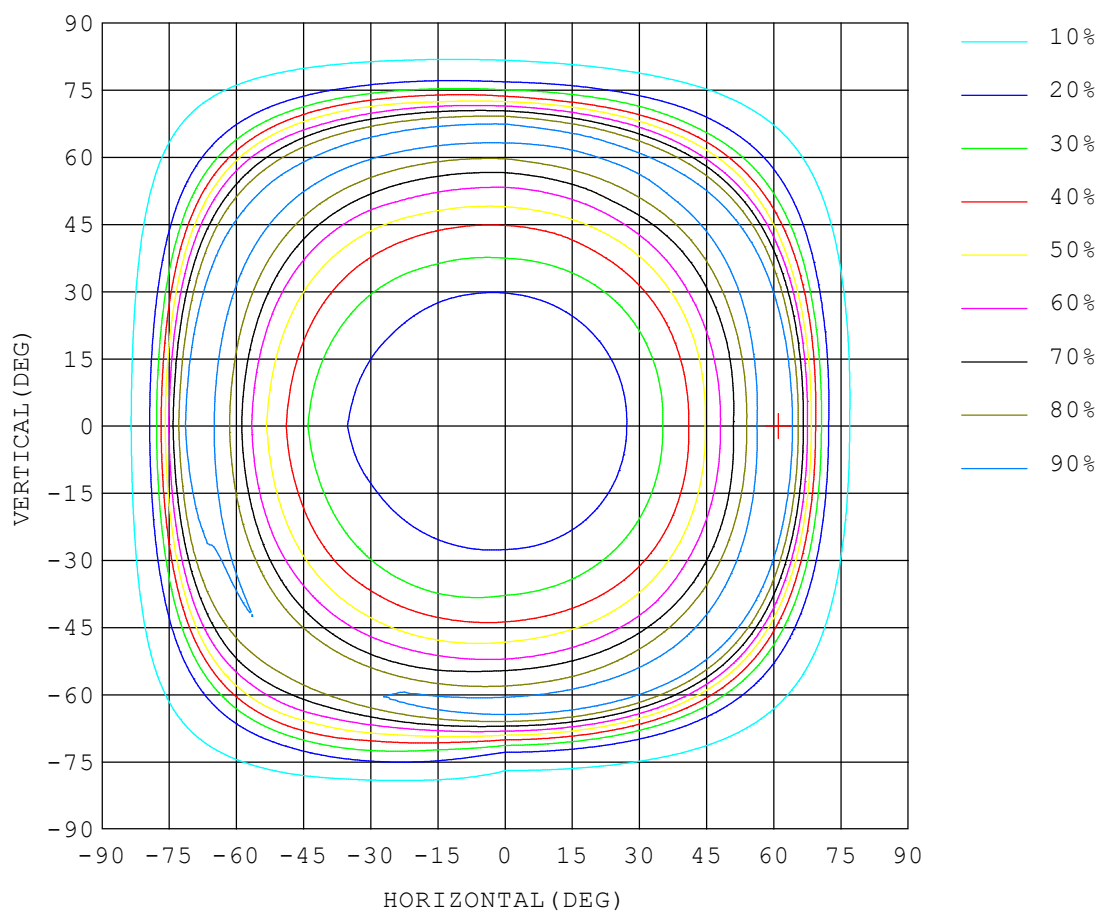
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Remarks:

ISOCANDELA DIAGRAM

Report number:

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SPECIFICATION: 2835LED 140deg	CCT (K) : 3000	DIMENSION:	SERIAL No. :

UNIT: cd



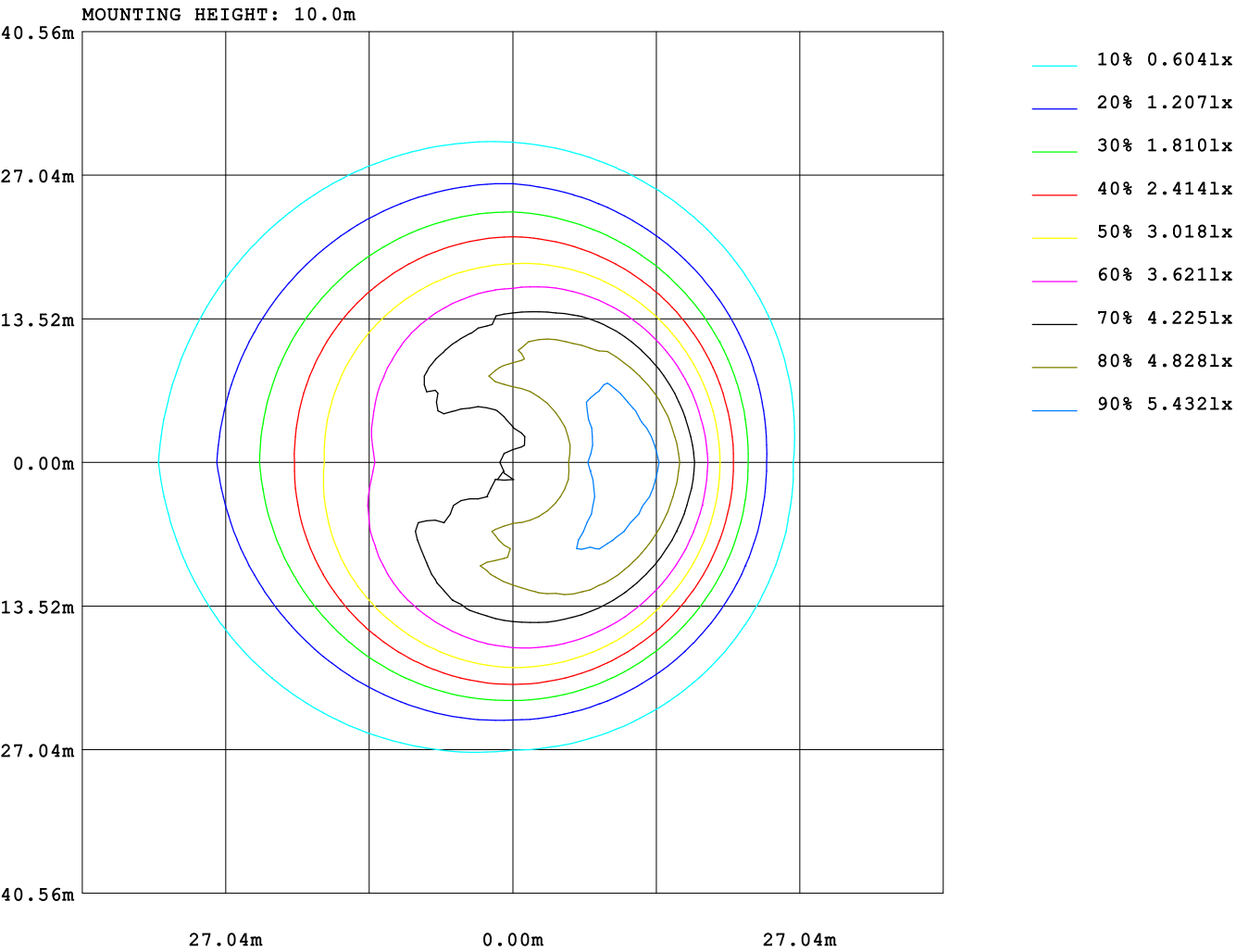
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ISOLUX DIAGRAM

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LUMINOUS DISTRIBUTION INTENSITY DATA

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SPECIFICATION: 2835LED 140deg	CCT (K) : 3000	DIMENSION:	SERIAL No.:

UNIT: cd

C (DEG)				
γ (DEG)	0	90	180	270
0.0	434	434	434	434
5.0	447	430	433	435
10.0	457	446	432	433
15.0	504	496	441	455
20.0	567	541	464	511
25.0	633	600	528	567
30.0	769	746	580	677
35.0	989	932	660	878
40.0	1259	1071	822	1130
45.0	1694	1440	1048	1356
50.0	2216	1781	1402	1767
55.0	2836	2385	1813	2160
60.0	3320	2934	2476	2701
65.0	2783	2934	2995	3146
70.0	1191	1371	3144	2439
75.0	417	425	2031	1005
80.0	244	252	568	395
85.0	150	152	279	253
90.0	105	103	156	154
95.0	79.3	73.1	101	110
100.0	61.4	55.8	72.8	81.9
105.0	47.2	42.3	54.1	63.5
110.0	34.5	31.2	41.8	50.7
115.0	23.3	20.5	31.4	36.7
120.0	17.0	14.6	21.2	25.5
125.0	13.5	10.6	15.4	18.6
130.0	13.3	9.92	11.0	13.6
135.0	12.6	9.92	10.2	13.1
140.0	11.2	9.12	10.4	12.6
145.0	9.77	7.81	9.87	11.5
150.0	8.48	6.71	8.77	10.0
155.0	7.58	5.81	7.58	8.72
160.0	6.88	5.21	6.68	7.71
165.0	6.38	4.81	6.08	7.01
170.0	5.98	4.51	5.68	6.51
175.0	5.78	4.30	5.38	6.11
180.0	5.68	4.41	5.58	5.81

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