

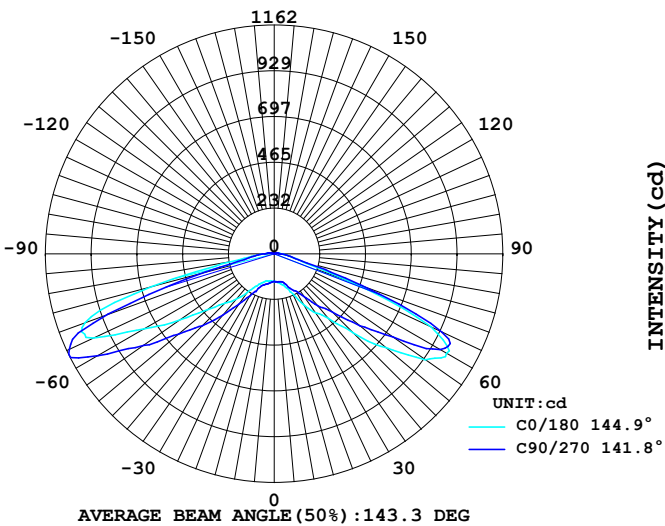
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

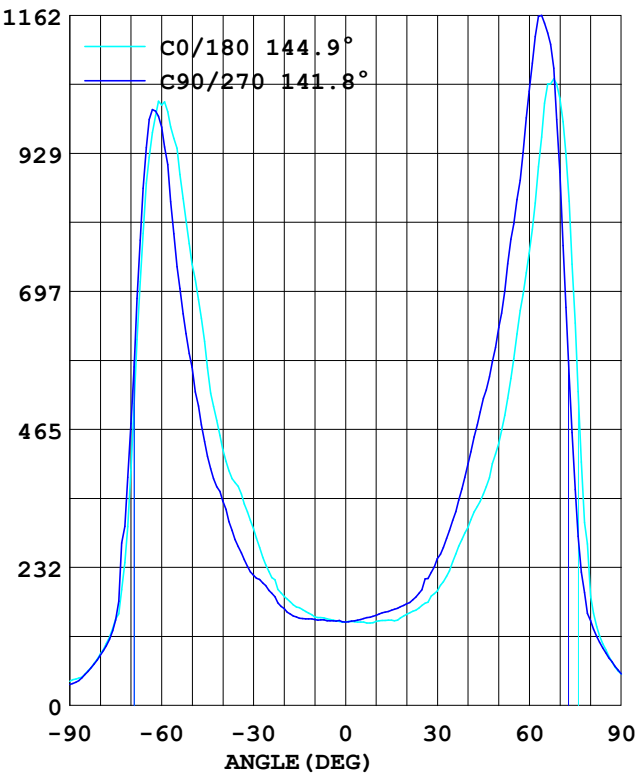
MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Liam		TYPE: IL-PO30-N0202C-TY5	WEIGHT:
SPECIFICATION: 2835LED 140deg	CCT (K) : 4000	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	1162	S/MH (C0/180)	3.47
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	3.52
NOMINAL POWER(W)	22	TOTAL FLUX(lm)	2858.7	Voltage(V)	231.5
RATED VOLTAGE (V)	232	EFFICIENCY (lm/W)	131.9	Current(A)	0.113
NOMINAL FLUX(lm)	2858.7	η up (%)	2.8	Power(W)	21.67
LAMPS QUANTITY	1	η down (%)	97.2	Power Factor (PF)	0.825
TEST VOLTAGE (V)	231.5	Effective Flux(lm)	2858.7	EEl	0.103

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



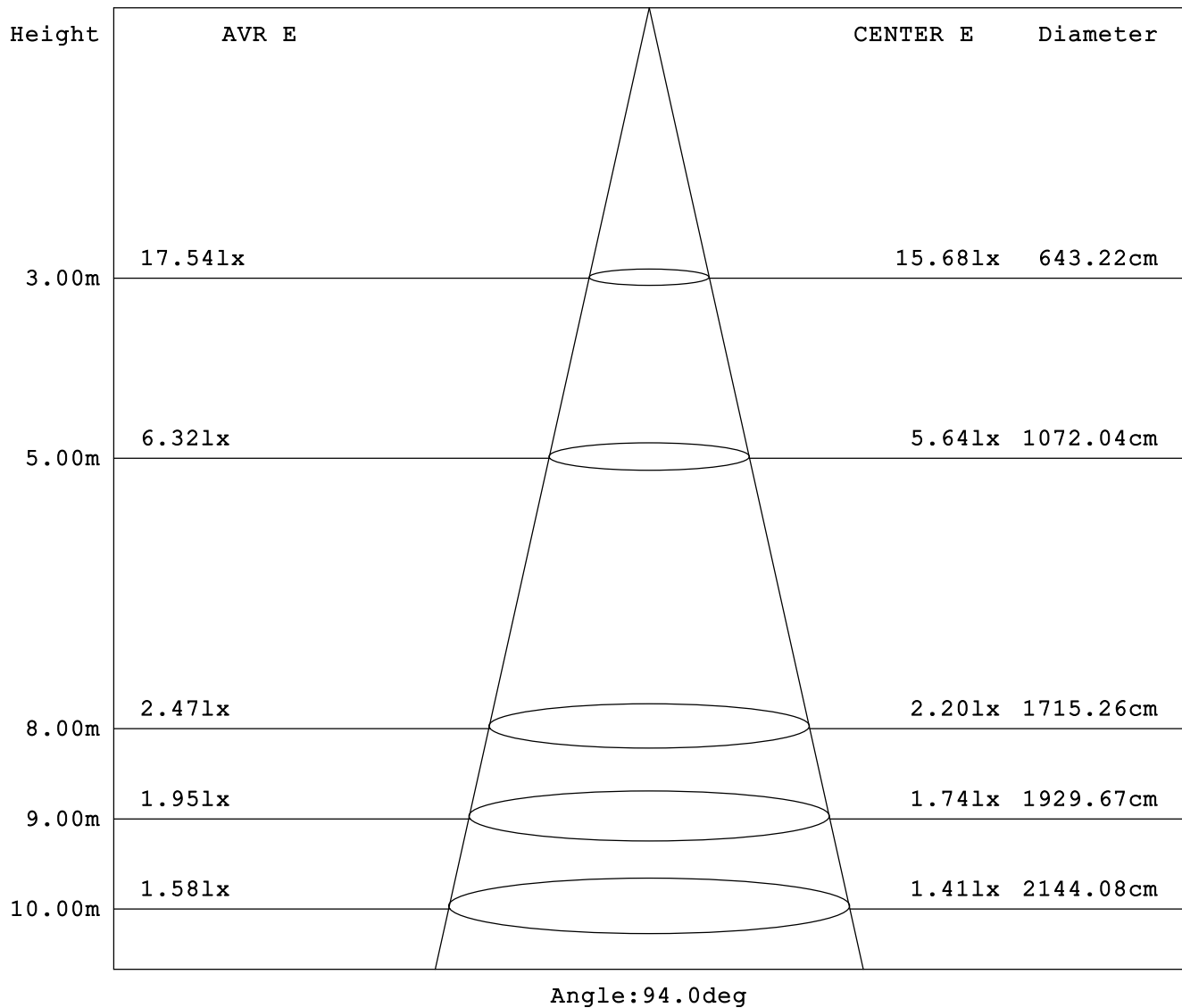
Test System:
Temperature:25.3DEG
Operators:
Test Date:2024.11.14

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-N0202C-TY5	WEIGHT:
SPECIFICATION: 2835LED 140deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

γ	C0	C90	C180	C270					γ	Zone	total
5.0	144.8	142.4	140.4	144.8					0- 5	3.400	3.400
10.0	149.0	144.4	141.3	151.8					5- 10	10.35	13.75
15.0	164.7	146.8	143.5	160.0					10- 15	17.87	31.63
20.0	183.7	162.7	153.1	170.9					15- 20	26.30	57.93
25.0	225.2	193.9	168.3	194.9					20- 25	37.97	95.91
30.0	297.0	218.7	192.4	246.9					25- 30	55.04	150.9
35.0	368.5	267.6	241.7	311.0					30- 35	78.49	229.4
40.0	430.4	343.8	299.6	406.2					35- 40	110.7	340.2
45.0	567.9	419.5	355.7	516.9					40- 45	154.0	494.2
50.0	742.5	569.2	440.7	636.0					45- 50	214.1	708.4
55.0	937.8	738.3	583.8	810.4					50- 55	295.1	1004
60.0	1011	973.1	761.0	1034					55- 60	398.4	1402
65.0	878.8	938.7	1013	1149					60- 65	481.1	1883
70.0	396.2	474.5	1022	897.2					65- 70	440.6	2324
75.0	145.0	143.7	643.5	363.3					70- 75	261.8	2586
80.0	86.23	84.14	183.9	142.3					75- 80	110.7	2696
85.0	52.51	51.97	93.30	88.27					80- 85	51.26	2748
90.0	40.68	35.18	53.01	53.08					85- 90	31.13	2779
95.0	29.44	24.63	35.70	37.09					90- 95	20.70	2799
100.0	22.67	19.00	24.96	28.65					95-100	15.00	2814
105.0	17.90	14.77	18.60	22.62					100-105	11.22	2826
110.0	13.32	11.26	14.52	18.29					105-110	8.613	2834
115.0	9.449	7.540	11.14	13.47					110-115	6.191	2840
120.0	7.062	5.630	7.659	10.05					115-120	4.251	2845
125.0	5.868	4.122	5.769	7.540					120-125	3.081	2848
130.0	5.669	3.820	4.277	5.831					125-130	2.301	2850
135.0	5.371	3.820	3.879	5.529					130-135	1.914	2852
140.0	4.873	3.518	3.978	5.227					135-140	1.683	2854
145.0	4.277	3.116	3.779	4.825					140-145	1.402	2855
150.0	3.779	2.714	3.381	4.222					145-150	1.114	2856
155.0	3.481	2.412	3.083	3.820					150-155	0.851	2857
160.0	3.182	2.111	2.785	3.418					155-160	0.635	2858
165.0	2.984	2.010	2.586	3.217					160-165	0.458	2858
170.0	2.785	1.809	2.486	3.016					165-170	0.309	2858
175.0	2.685	1.809	2.387	2.815					170-175	0.177	2859
180.0	2.586	1.809	2.586	2.714					175-180	0.058	2859
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

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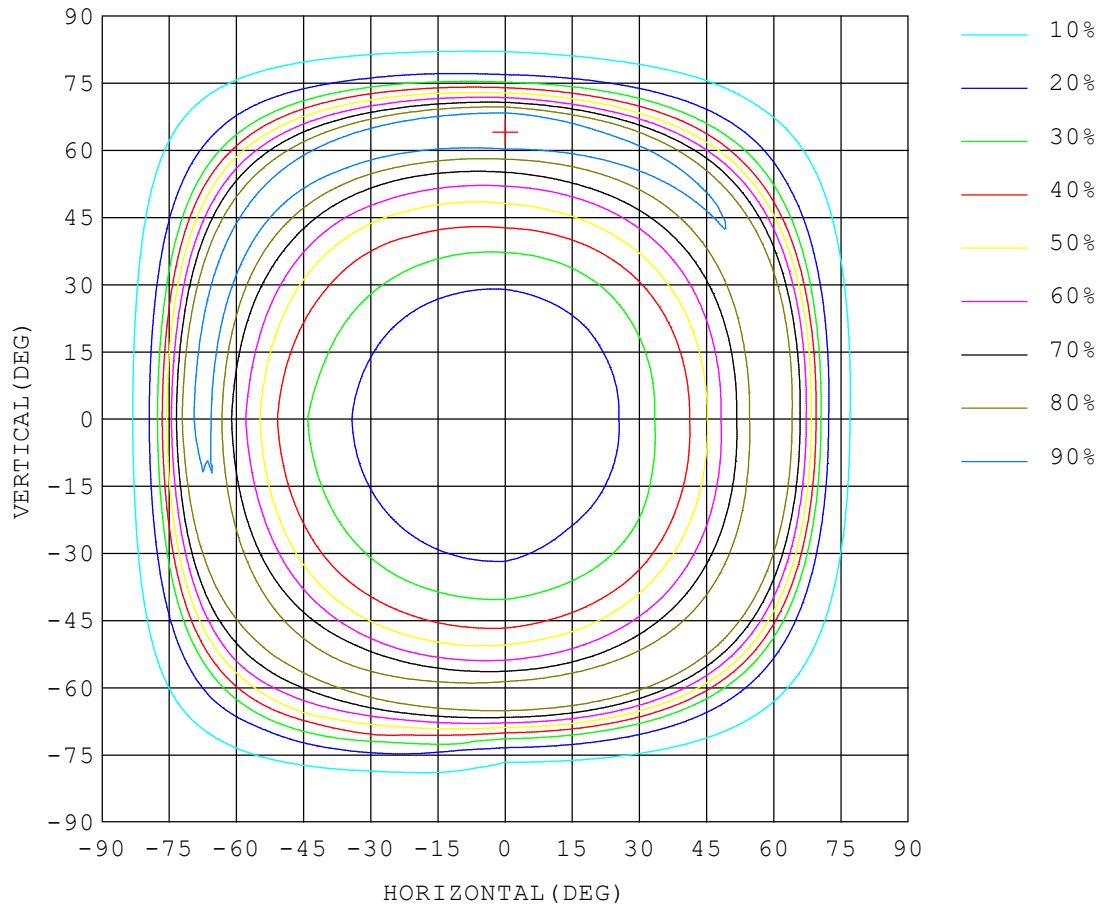
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

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SPECIFICATION: 2835LED 140deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

UNIT: cd



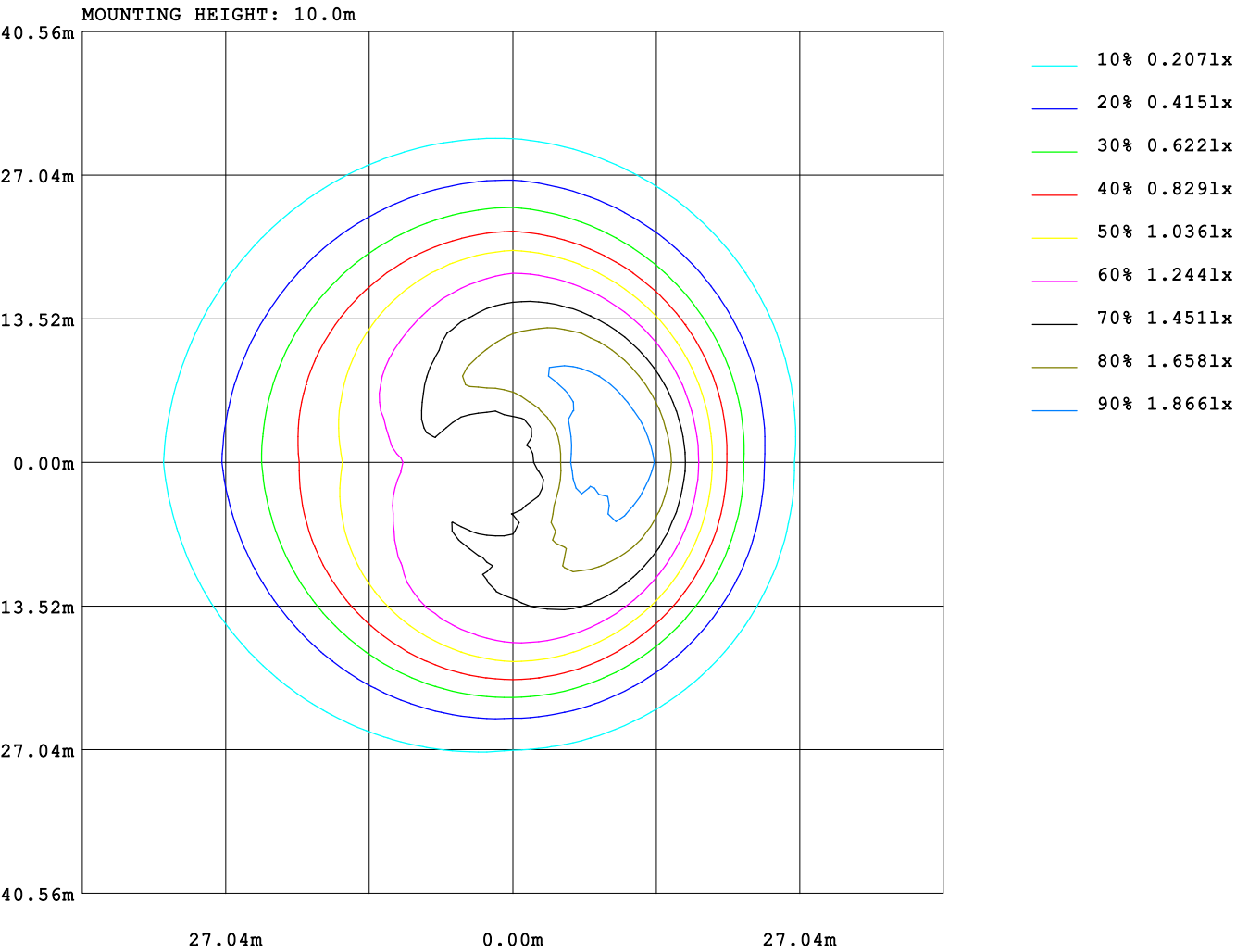
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ISOLUX DIAGRAM

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LUMINOUS DISTRIBUTION INTENSITY DATA

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SPECIFICATION: 2835LED 140deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

UNIT: cd

C (DEG) γ (DEG)	0	90	180	270
0.0	140	140	140	140
5.0	145	142	140	145
10.0	149	144	141	152
15.0	165	147	144	160
20.0	184	163	153	171
25.0	225	194	168	195
30.0	297	219	192	247
35.0	369	268	242	311
40.0	430	344	300	406
45.0	568	420	356	517
50.0	743	569	441	636
55.0	938	738	584	810
60.0	1011	973	761	1034
65.0	879	939	1013	1149
70.0	396	475	1022	897
75.0	145	144	644	363
80.0	86.2	84.1	184	142
85.0	52.5	51.9	93.3	88.2
90.0	40.6	35.1	53.0	53.0
95.0	29.4	24.6	35.7	37.0
100.0	22.6	19.0	24.9	28.6
105.0	17.9	14.7	18.6	22.6
110.0	13.3	11.2	14.5	18.2
115.0	9.44	7.54	11.1	13.4
120.0	7.06	5.63	7.65	10.0
125.0	5.86	4.12	5.76	7.54
130.0	5.66	3.82	4.27	5.83
135.0	5.37	3.82	3.87	5.52
140.0	4.87	3.51	3.97	5.22
145.0	4.27	3.11	3.77	4.82
150.0	3.77	2.71	3.38	4.22
155.0	3.48	2.41	3.08	3.82
160.0	3.18	2.11	2.78	3.41
165.0	2.98	2.01	2.58	3.21
170.0	2.78	1.80	2.48	3.01
175.0	2.68	1.80	2.38	2.81
180.0	2.58	1.80	2.58	2.71

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