

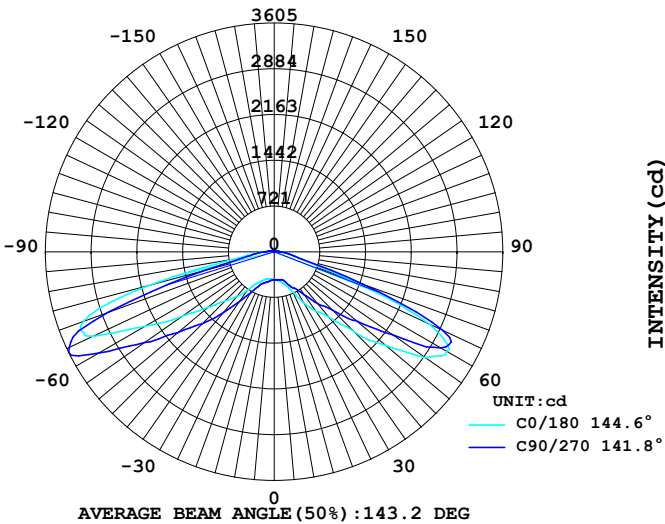
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

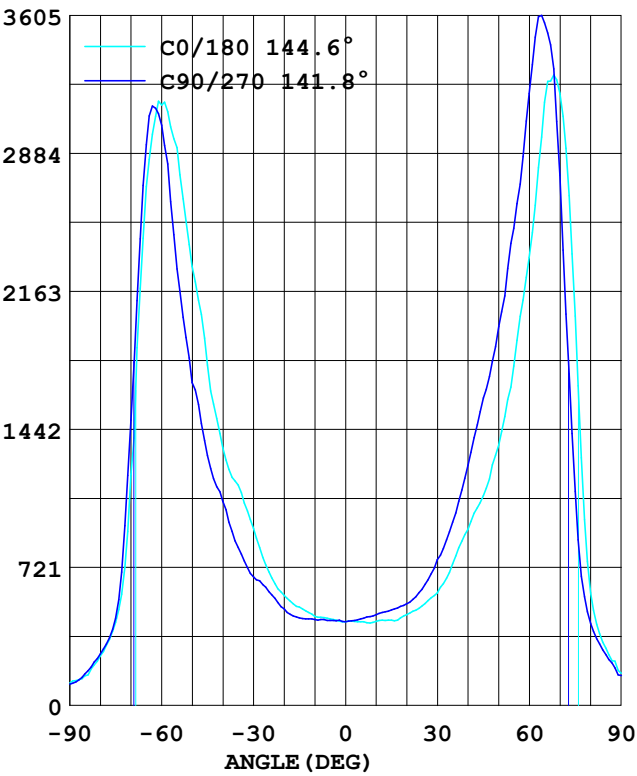
MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Liam		TYPE: IL-PO30-N0722C-TY5	WEIGHT:
SPECIFICATION: 2835LED 140deg	CCT (K) : 4000	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax (cd)	3605	S/MH (C0/180)	3.45
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	3.52
NOMINAL POWER(W)	72	TOTAL FLUX(lm)	8828.6	Voltage(V)	231.3
RATED VOLTAGE (V)	232	EFFICIENCY (lm/W)	123.0	Current(A)	0.320
NOMINAL FLUX(lm)	8828.6	η up (%)	2.6	Power(W)	71.80
LAMPS QUANTITY	1	η down (%)	97.4	Power Factor (PF)	0.969
TEST VOLTAGE (V)	231.3	Effective Flux(lm)	8828.6	EEL	0.111

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



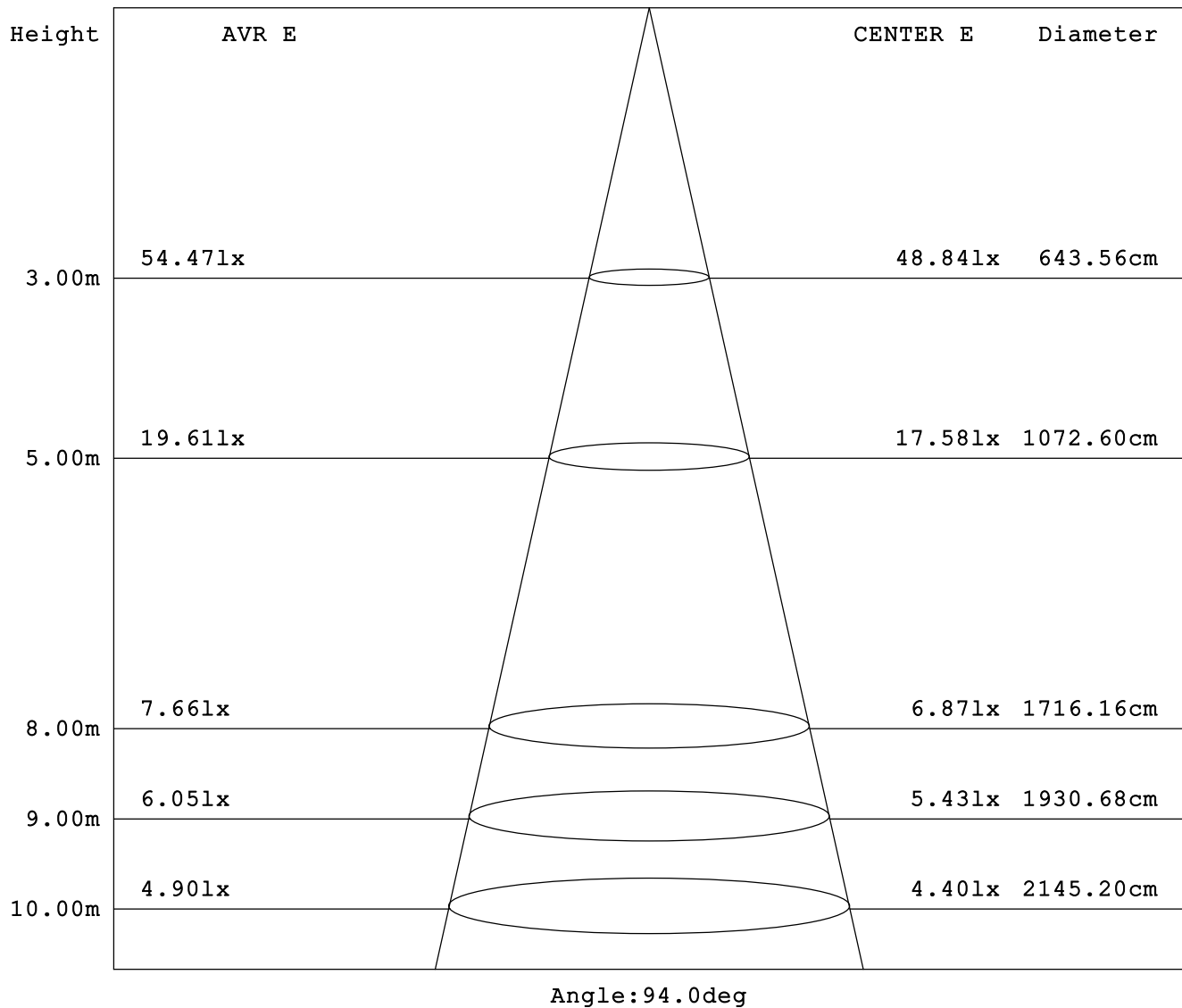
Test System:
Temperature:25.3DEG
Operators:
Test Date:2024.11.14

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:

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Operators:
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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) : 4000	DIMENSION:	SERIAL No. :

γ	C0	C90	C180	C270					γ	Zone	total
5.0	453.0	443.8	437.5	452.3					0- 5	10.60	10.60
10.0	465.5	449.3	439.3	473.4					5- 10	32.28	42.89
15.0	514.1	456.6	446.2	499.1					10- 15	55.67	98.57
20.0	574.1	504.2	474.2	531.6					15- 20	81.85	180.4
25.0	697.4	594.1	519.9	606.7					20- 25	117.5	297.9
30.0	924.0	670.7	587.5	761.5					25- 30	169.5	467.4
35.0	1151	824.9	739.5	957.7					30- 35	242.2	709.7
40.0	1345	1066	920.3	1255					35- 40	342.6	1052
45.0	1778	1305	1095	1605					40- 45	478.1	1531
50.0	2294	1687	1361	1978					45- 50	664.5	2195
55.0	2913	2281	1774	2493					50- 55	909.3	3104
60.0	3137	3031	2341	3196					55- 60	1231	4336
65.0	2710	2930	3152	3566					60- 65	1493	5829
70.0	1209	1490	3198	2770					65- 70	1363	7191
75.0	434.5	455.3	2035	1119					70- 75	810.5	8002
80.0	258.2	268.5	587.1	428.5					75- 80	341.6	8344
85.0	154.1	163.9	297.9	265.6					80- 85	158.5	8502
90.0	118.7	110.7	167.6	156.5					85- 90	95.79	8598
95.0	84.37	77.08	112.3	107.4					90- 95	62.61	8661
100.0	63.97	59.19	77.90	81.91					95-100	44.84	8705
105.0	49.45	45.93	57.31	63.61					100-105	33.12	8739
110.0	35.81	34.37	44.67	50.85					105-110	25.06	8764
115.0	24.07	22.81	33.73	36.38					110-115	17.65	8781
120.0	17.21	16.68	22.78	25.93					115-120	11.74	8793
125.0	13.73	11.85	16.61	18.69					120-125	8.222	8801
130.0	13.53	11.05	11.84	13.46					125-130	5.933	8807
135.0	12.73	11.05	10.64	13.06					130-135	4.883	8812
140.0	11.34	10.15	10.84	12.56					135-140	4.297	8816
145.0	9.850	8.743	10.34	11.35					140-145	3.565	8820
150.0	8.556	7.437	9.054	9.849					145-150	2.763	8823
155.0	7.661	6.331	7.860	8.643					150-155	2.064	8825
160.0	6.964	5.628	6.964	7.638					155-160	1.506	8826
165.0	6.467	5.025	6.268	6.934					160-165	1.071	8827
170.0	6.069	4.723	5.770	6.432					165-170	0.709	8828
175.0	5.870	4.422	5.472	6.130					170-175	0.403	8829
180.0	5.770	4.522	5.671	5.829					175-180	0.130	8829
DEG	LUMINOUS INTENSITY:cd								UNIT:lm		

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

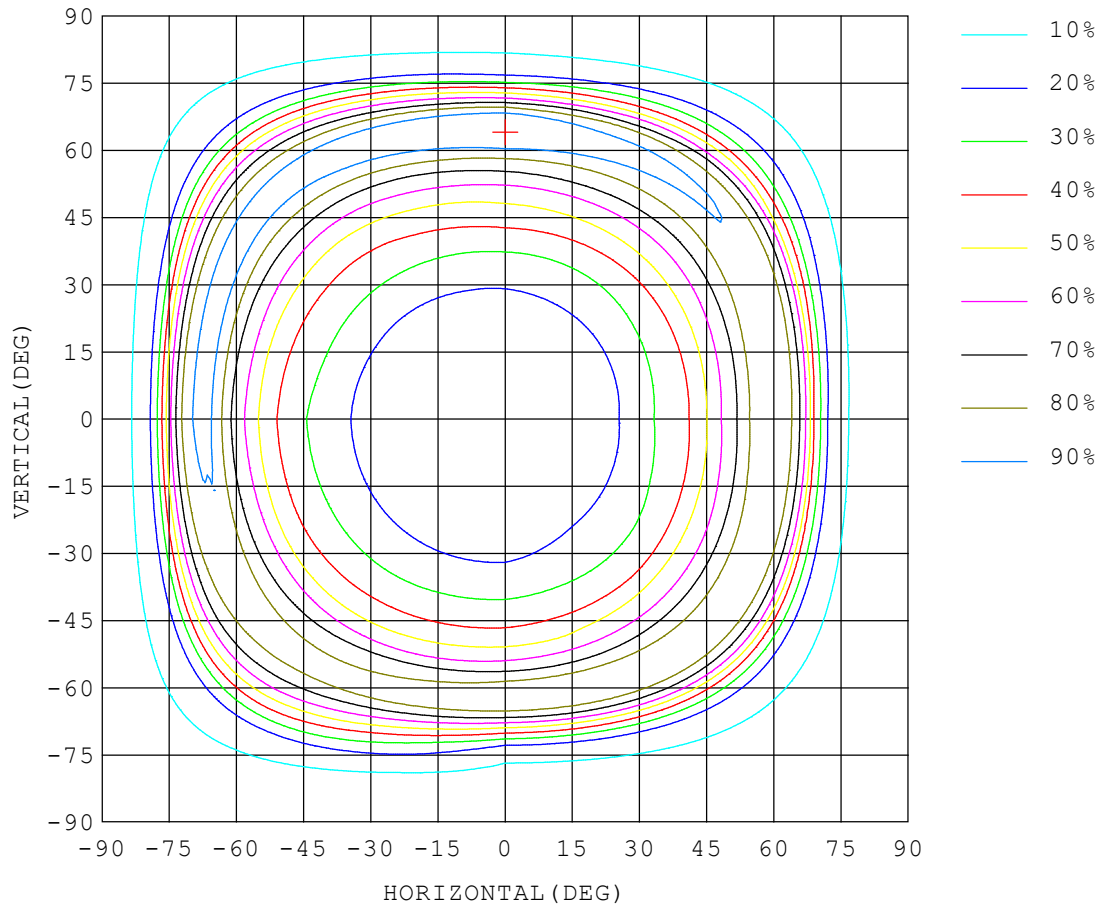
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

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

UNIT: cd



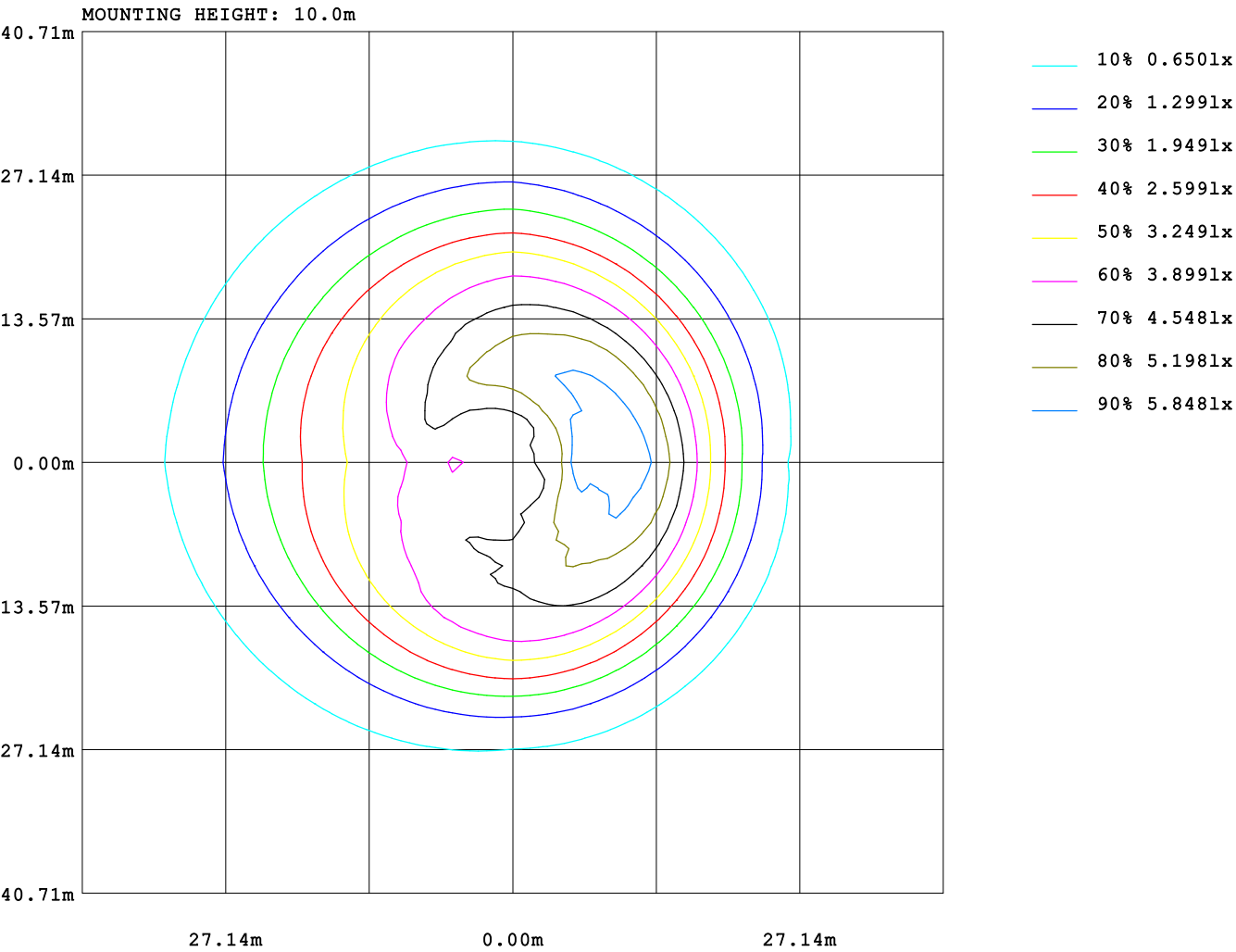
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Operators:
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ISOLUX DIAGRAM

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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	437	437	437	437
5.0	453	444	438	452
10.0	466	449	439	473
15.0	514	457	446	499
20.0	574	504	474	532
25.0	697	594	520	607
30.0	924	671	588	762
35.0	1151	825	740	958
40.0	1345	1066	920	1255
45.0	1778	1305	1095	1605
50.0	2294	1687	1361	1978
55.0	2913	2281	1774	2493
60.0	3137	3031	2341	3196
65.0	2710	2930	3152	3566
70.0	1209	1490	3198	2770
75.0	435	455	2035	1119
80.0	258	269	587	429
85.0	154	164	298	266
90.0	119	111	168	157
95.0	84.3	77.0	112	107
100.0	63.9	59.1	77.9	81.9
105.0	49.4	45.9	57.3	63.6
110.0	35.8	34.3	44.6	50.8
115.0	24.0	22.8	33.7	36.3
120.0	17.2	16.6	22.7	25.9
125.0	13.7	11.8	16.6	18.6
130.0	13.5	11.0	11.8	13.4
135.0	12.7	11.0	10.6	13.0
140.0	11.3	10.1	10.8	12.5
145.0	9.85	8.74	10.3	11.3
150.0	8.55	7.43	9.05	9.84
155.0	7.66	6.33	7.86	8.64
160.0	6.96	5.62	6.96	7.63
165.0	6.46	5.02	6.26	6.93
170.0	6.06	4.72	5.77	6.43
175.0	5.87	4.42	5.47	6.13
180.0	5.77	4.52	5.67	5.82

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