

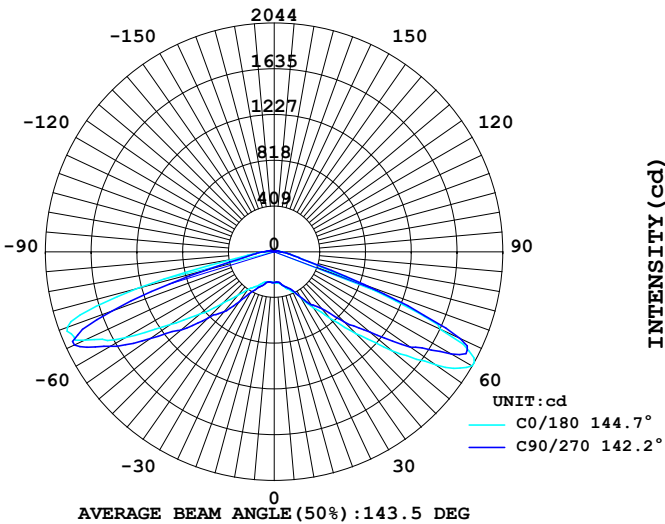
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

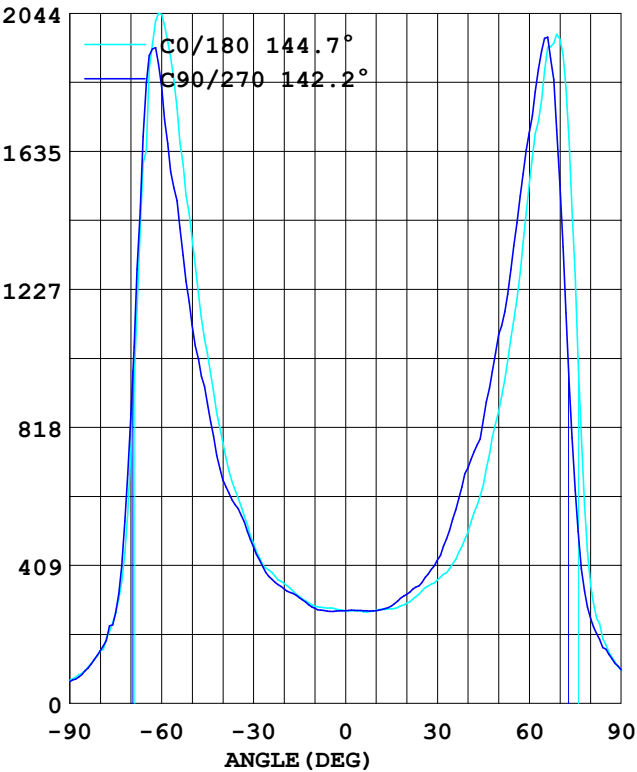
MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Liam		TYPE: IL-PO30-N0402C-TY5	WEIGHT:
SPECIFICATION: 2835LED 140deg	CCT (K) : 3000	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax (cd)	2044	S/MH (C0/180)	3.45
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	3.50
NOMINAL POWER(W)	42	TOTAL FLUX(lm)	5294.0	Voltage(V)	231.3
RATED VOLTAGE (V)	232	EFFICIENCY (lm/W)	124.8	Current(A)	0.197
NOMINAL FLUX(lm)	5294.1	η up (%)	2.9	Power(W)	42.41
LAMPS QUANTITY	1	η down (%)	97.1	Power Factor (PF)	0.929
TEST VOLTAGE (V)	231.4	Effective Flux(lm)	5294.1	EEL	0.109

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



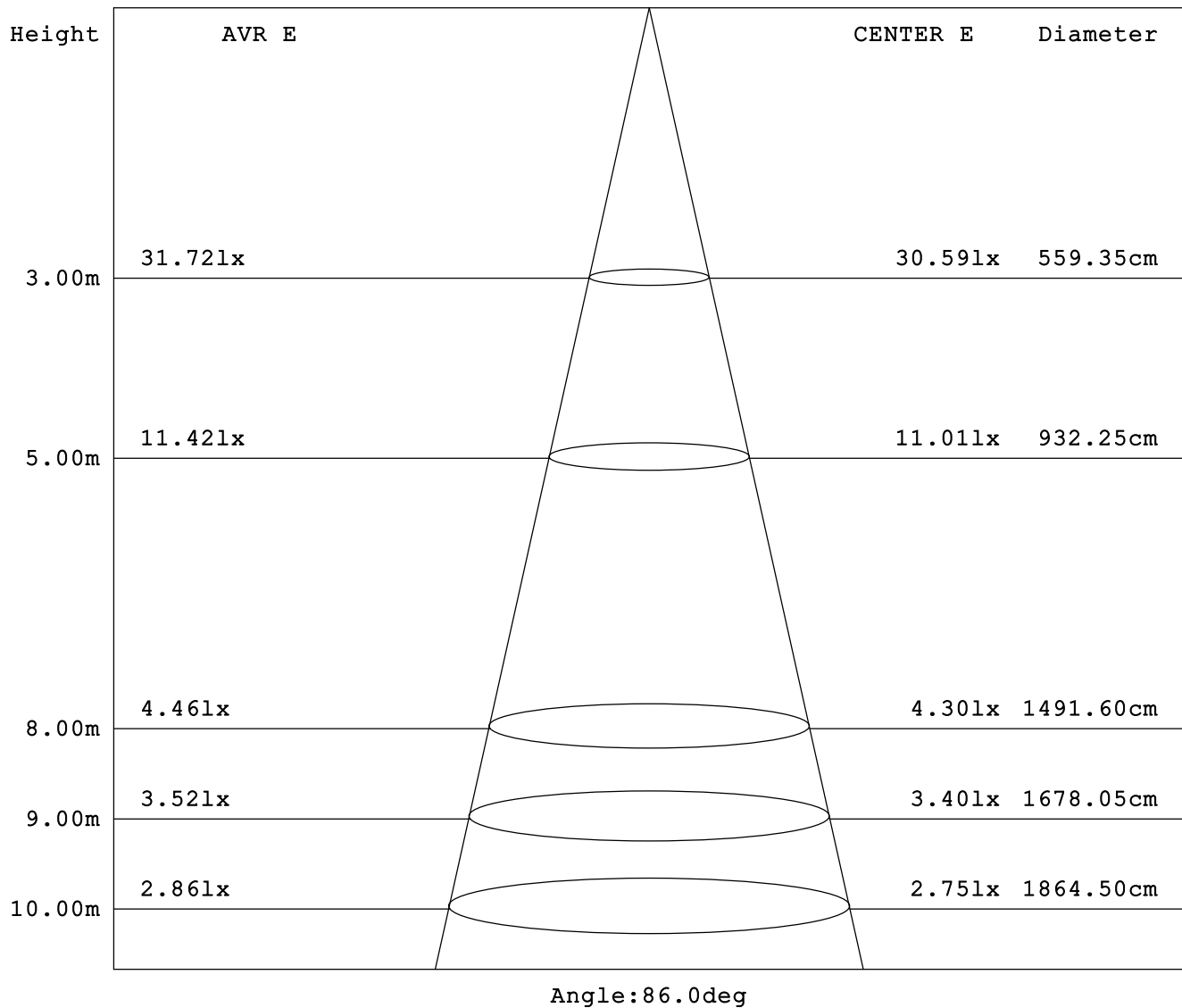
Test System:
Temperature:25.3DEG
Operators:
Test Date:2024.11.14

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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NAME: Liam		TYPE: IL-PO30-N0402C-TY5	WEIGHT:
SPECIFICATION: 2835LED 140deg	CCT (K) : 3000	DIMENSION:	SERIAL No. :

γ	C0	C90	C180	C270					γ	Zone	total
5.0	283.1	272.1	273.1	275.6					0- 5	6.595	6.595
10.0	289.0	282.3	275.2	274.9					5- 10	19.83	26.43
15.0	317.4	313.5	280.5	288.6					10- 15	34.40	60.83
20.0	354.8	339.2	296.0	323.1					15- 20	51.86	112.6
25.0	394.6	375.8	333.7	357.8					20- 25	72.70	185.4
30.0	474.6	463.5	365.1	424.3					25- 30	100.2	285.6
35.0	607.9	577.2	413.5	545.9					30- 35	142.2	427.8
40.0	772.9	662.2	508.0	698.6					35- 40	198.6	626.5
45.0	1036	887.6	647.2	840.8					40- 45	277.9	904.4
50.0	1377	1120	866.1	1094					45- 50	395.6	1300
55.0	1764	1489	1135	1355					50- 55	549.4	1850
60.0	2041	1826	1536	1689					55- 60	741.8	2591
65.0	1638	1836	1872	1970					60- 65	898.9	3490
70.0	755.3	857.6	1968	1539					65- 70	811.7	4302
75.0	267.6	268.0	1265	629.9					70- 75	483.2	4785
80.0	155.7	156.0	351.4	251.3					75- 80	205.0	4990
85.0	96.90	95.79	172.7	160.4					80- 85	94.46	5085
90.0	68.76	65.33	97.70	98.79					85- 90	57.16	5142
95.0	52.49	46.79	63.87	71.04					90- 95	37.86	5180
100.0	41.11	36.17	47.20	54.50					95-100	27.97	5208
105.0	32.23	27.85	36.22	43.28					100-105	21.15	5229
110.0	24.15	20.94	28.94	35.57					105-110	16.33	5245
115.0	17.06	14.32	22.65	26.85					110-115	11.93	5257
120.0	13.07	10.62	16.16	19.73					115-120	8.343	5266
125.0	10.87	8.116	12.17	15.03					120-125	6.102	5272
130.0	10.57	7.715	9.181	11.42					125-130	4.567	5276
135.0	10.17	7.815	8.483	10.92					130-135	3.838	5280
140.0	9.381	7.414	8.483	10.42					135-140	3.390	5283
145.0	8.483	6.713	8.083	9.619					140-145	2.863	5286
150.0	7.784	6.112	7.385	8.517					145-150	2.309	5289
155.0	7.185	5.611	6.586	7.715					150-155	1.803	5290
160.0	6.786	5.310	6.087	7.014					155-160	1.369	5292
165.0	6.487	5.010	5.788	6.613					160-165	1.011	5293
170.0	6.187	4.809	5.489	6.312					165-170	0.692	5294
175.0	5.888	4.609	5.389	6.012					170-175	0.400	5294
180.0	5.688	4.609	5.588	5.811					175-180	0.130	5294
DEG	LUMINOUS INTENSITY:cd								UNIT:lm		

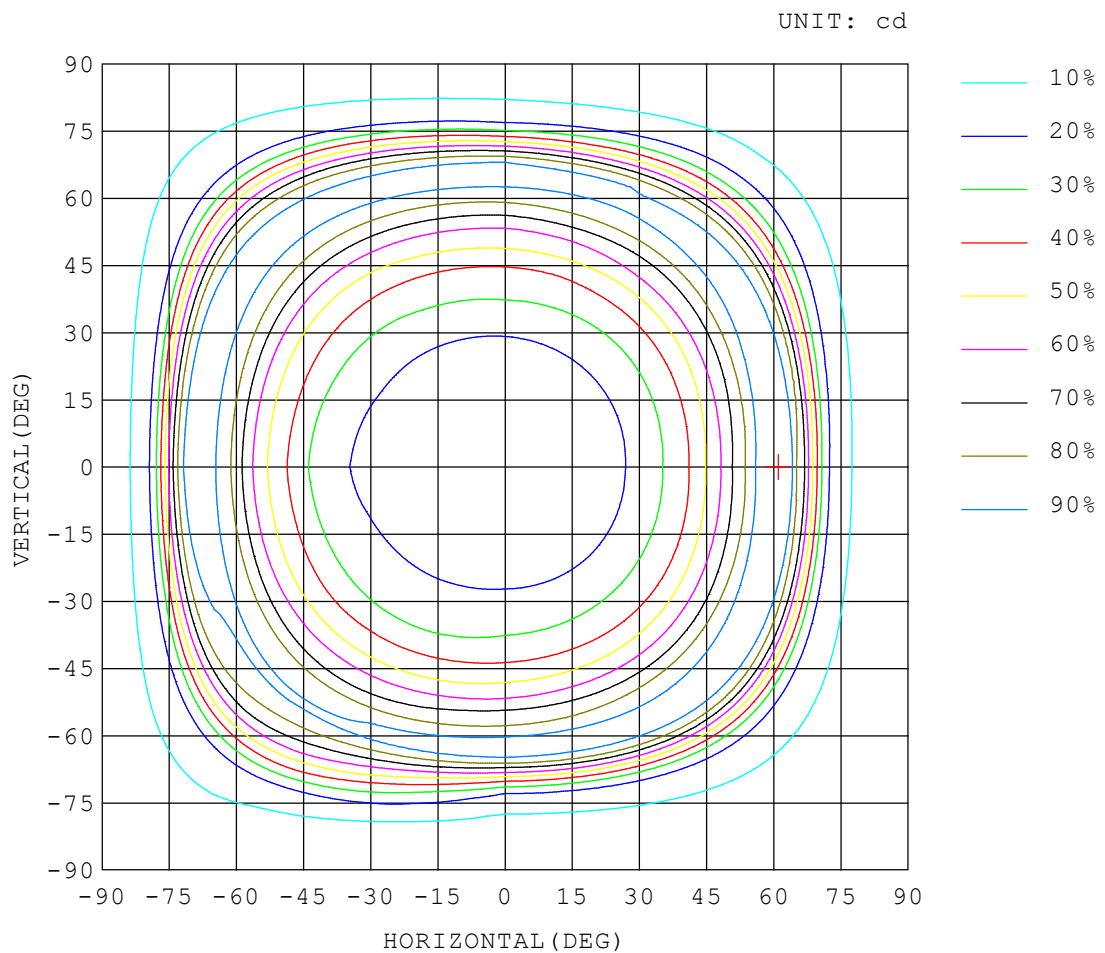
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Operators:
Test Date:2024.11.14

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Test Distance:10.000 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

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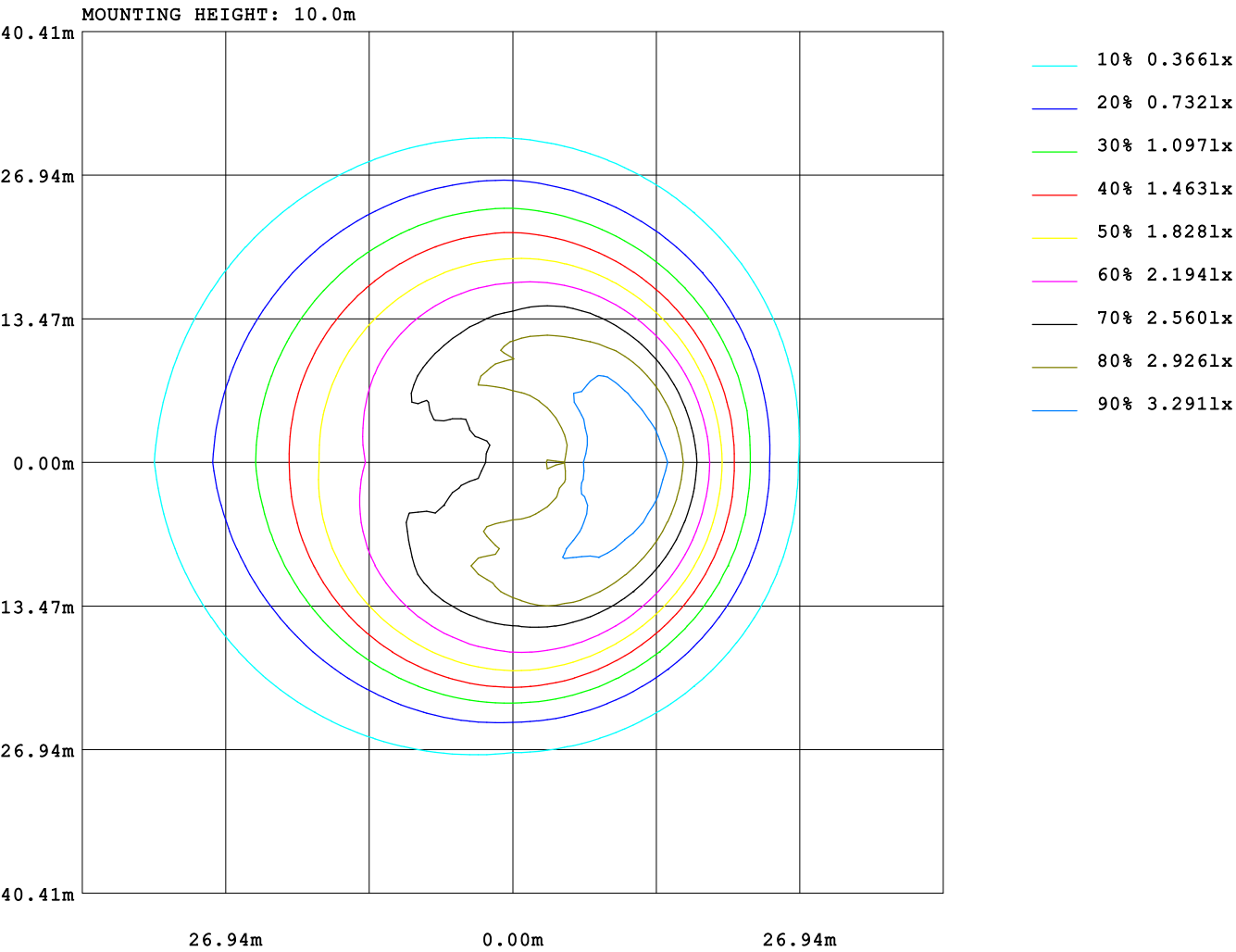
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LUMINOUS DISTRIBUTION INTENSITY DATA

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UNIT: cd

C (DEG) γ (DEG)	0	90	180	270
0.0	275	275	275	275
5.0	283	272	273	276
10.0	289	282	275	275
15.0	317	314	281	289
20.0	355	339	296	323
25.0	395	376	334	358
30.0	475	464	365	424
35.0	608	577	414	546
40.0	773	662	508	699
45.0	1036	888	647	841
50.0	1377	1120	866	1094
55.0	1764	1489	1135	1355
60.0	2041	1826	1536	1689
65.0	1638	1836	1872	1970
70.0	755	858	1968	1539
75.0	268	268	1265	630
80.0	156	156	351	251
85.0	96.9	95.7	173	160
90.0	68.7	65.3	97.7	98.7
95.0	52.4	46.7	63.8	71.0
100.0	41.1	36.1	47.2	54.5
105.0	32.2	27.8	36.2	43.2
110.0	24.1	20.9	28.9	35.5
115.0	17.0	14.3	22.6	26.8
120.0	13.0	10.6	16.1	19.7
125.0	10.8	8.11	12.1	15.0
130.0	10.5	7.71	9.18	11.4
135.0	10.1	7.81	8.48	10.9
140.0	9.38	7.41	8.48	10.4
145.0	8.48	6.71	8.08	9.61
150.0	7.78	6.11	7.38	8.51
155.0	7.18	5.61	6.58	7.71
160.0	6.78	5.31	6.08	7.01
165.0	6.48	5.01	5.78	6.61
170.0	6.18	4.80	5.48	6.31
175.0	5.88	4.60	5.38	6.01
180.0	5.68	4.60	5.58	5.81

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