

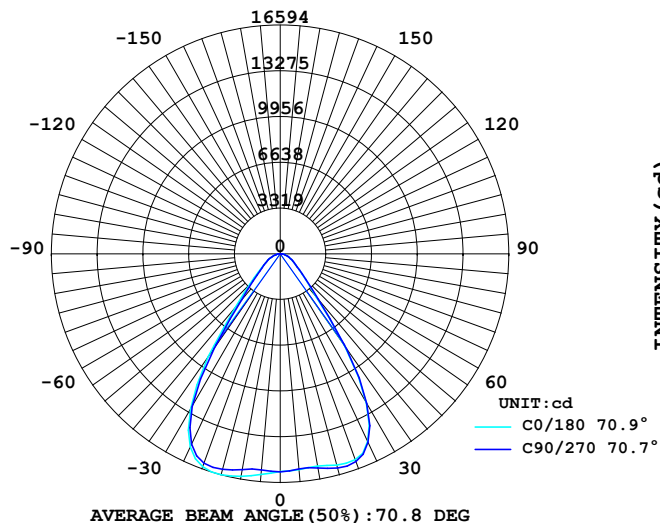
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

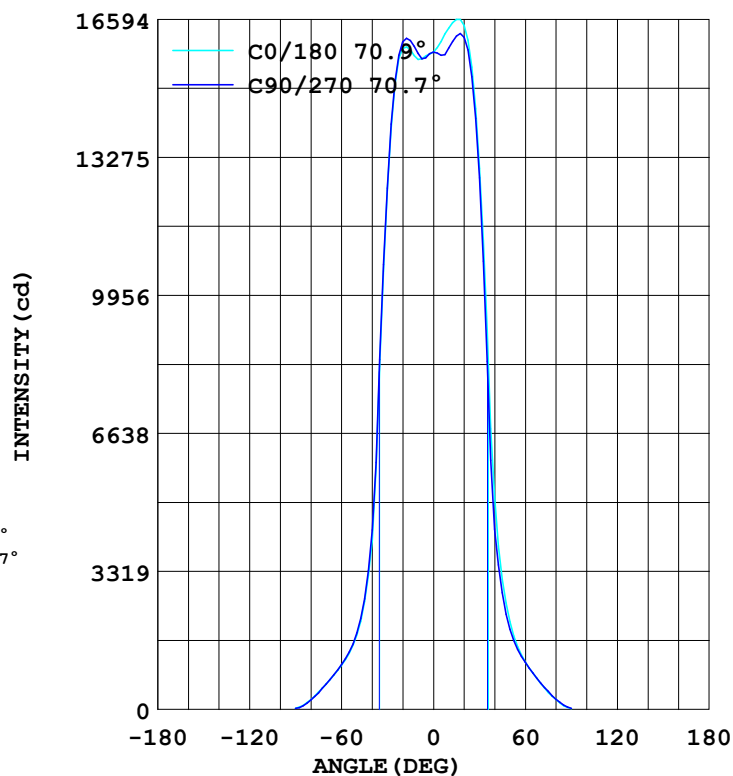
MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Laura		TYPE: IL-HB25-N15040-75	WEIGHT:
SPECIFICATION: 2835LED 75deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

DATA OF LAMP		Imax (cd)	17120	S/MH (C0/180)	1.02
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.03
NOMINAL POWER(W)	152	TOTAL FLUX(lm)	25616	Voltage (V)	230.5
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	168.2	Current (A)	0.678
NOMINAL FLUX(lm)	25616.0	η up (%)	0.0	Power (W)	152.3
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.974
TEST VOLTAGE (V)	230.5	Effective Flux(lm)	25616.0	EEL	0.089

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



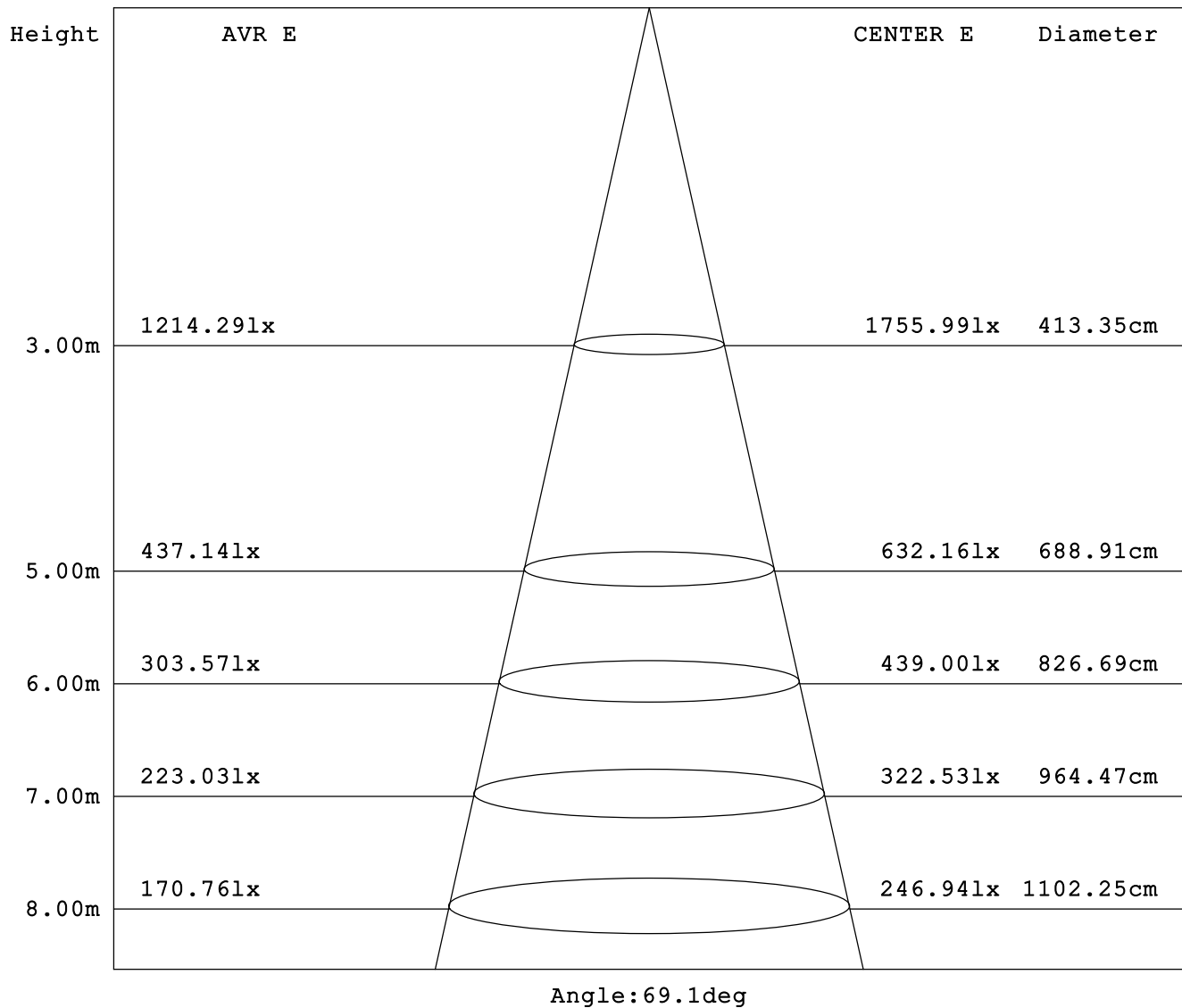
Test System:
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2023.09.11

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: ILUMEN GMBH			
Address:			
NAME: Laura		TYPE: IL-HB25-N15040-75	WEIGHT:
SPECIFICATION: 2835LED 75deg	CCT (K) : 4000	DIMENSION:	SERIAL No.:



Test System:
Temperature: 25.3DEG
Operators:
Test Date: 2023.09.11

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

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Laura		TYPE: IL-HB25-N15040-75	WEIGHT:
SPECIFICATION: 2835LED 75deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1571	1564	1567	1589	1606	1596	1573	1576	0- 5	377.8	377.8
10.0	1563	1576	1577	1633	1639	1640	1590	1587	5- 10	1137	1515
15.0	1586	1606	1608	1700	1659	1697	1619	1609	10- 15	1922	3437
20.0	1589	1572	1605	1703	1644	1692	1616	1571	15- 20	2693	6129
25.0	1502	1465	1509	1613	1544	1606	1521	1467	20- 25	3317	9447
30.0	1249	1290	1254	1446	1301	1443	1278	1295	25- 30	3620	13067
35.0	824.7	1050	841.6	1203	911.9	1203	836.8	1052	30- 35	3412	16478
40.0	406.8	769.0	431.0	908.0	512.6	910.3	433.5	767.2	35- 40	2687	19165
45.0	260.1	514.0	265.6	620.0	312.6	619.4	280.7	510.0	40- 45	1951	21117
50.0	179.4	323.3	183.9	397.9	211.1	363.7	192.9	319.8	45- 50	1388	22505
55.0	135.3	196.8	138.2	247.5	151.4	241.1	144.5	194.6	50- 55	975.6	23481
60.0	106.7	125.8	107.8	152.6	114.1	149.7	113.2	125.2	55- 60	697.9	24179
65.0	82.73	83.75	83.16	99.80	87.32	99.26	87.14	83.95	60- 65	511.9	24691
70.0	60.90	56.60	60.96	66.36	63.10	66.52	63.68	56.62	65- 70	378.0	25069
75.0	41.69	35.71	39.42	42.88	40.72	42.90	43.20	35.46	70- 75	265.8	25334
80.0	23.59	19.27	23.02	24.44	23.99	24.28	24.51	18.89	75- 80	166.7	25501
85.0	9.985	7.084	8.793	10.83	9.040	10.61	10.34	6.746	80- 85	85.26	25586
90.0	2.968	1.641	2.496	3.238	1.911	3.148	2.878	1.596	85- 90	29.61	25616
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm	

Test System:
 Temperature:25.3DEG
 Operators:
 Test Date:2023.09.11

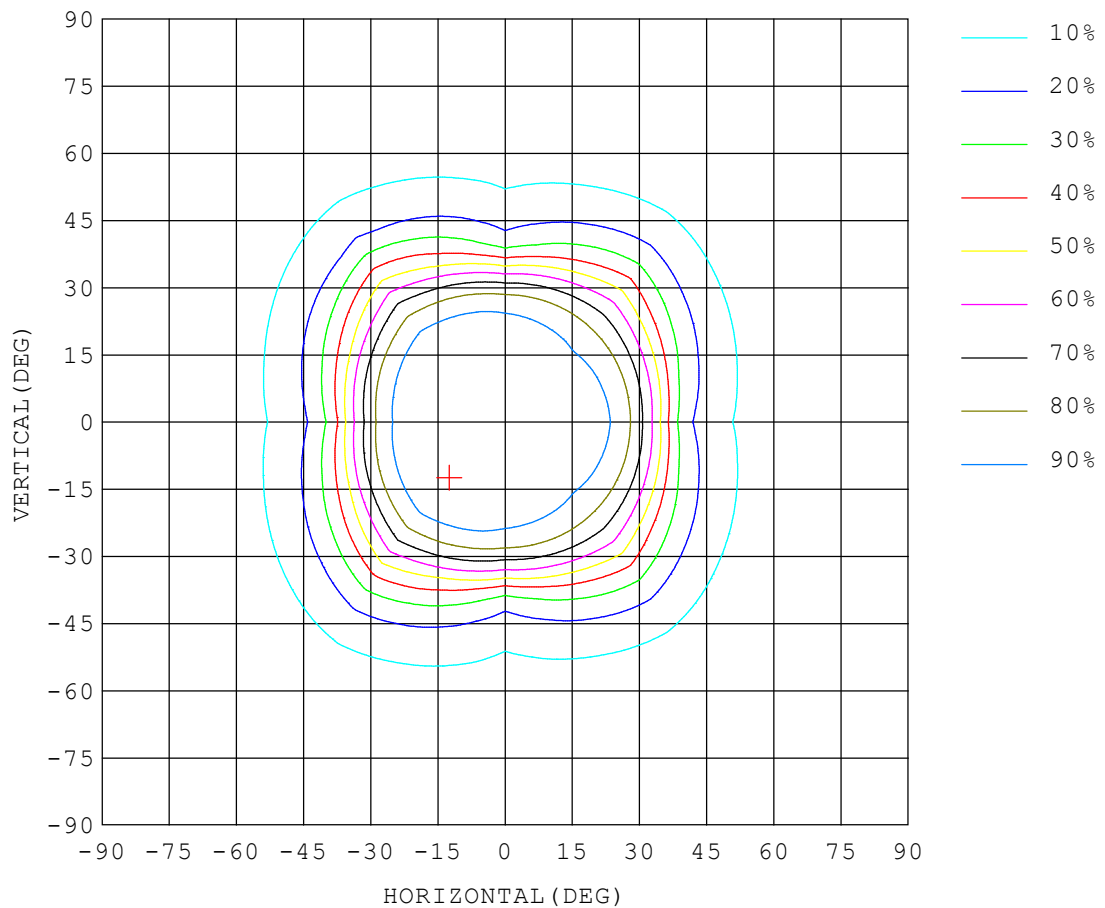
Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Laura		TYPE: IL-HB25-N15040-75	WEIGHT:
SPECIFICATION: 2835LED 75deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

UNIT: cd



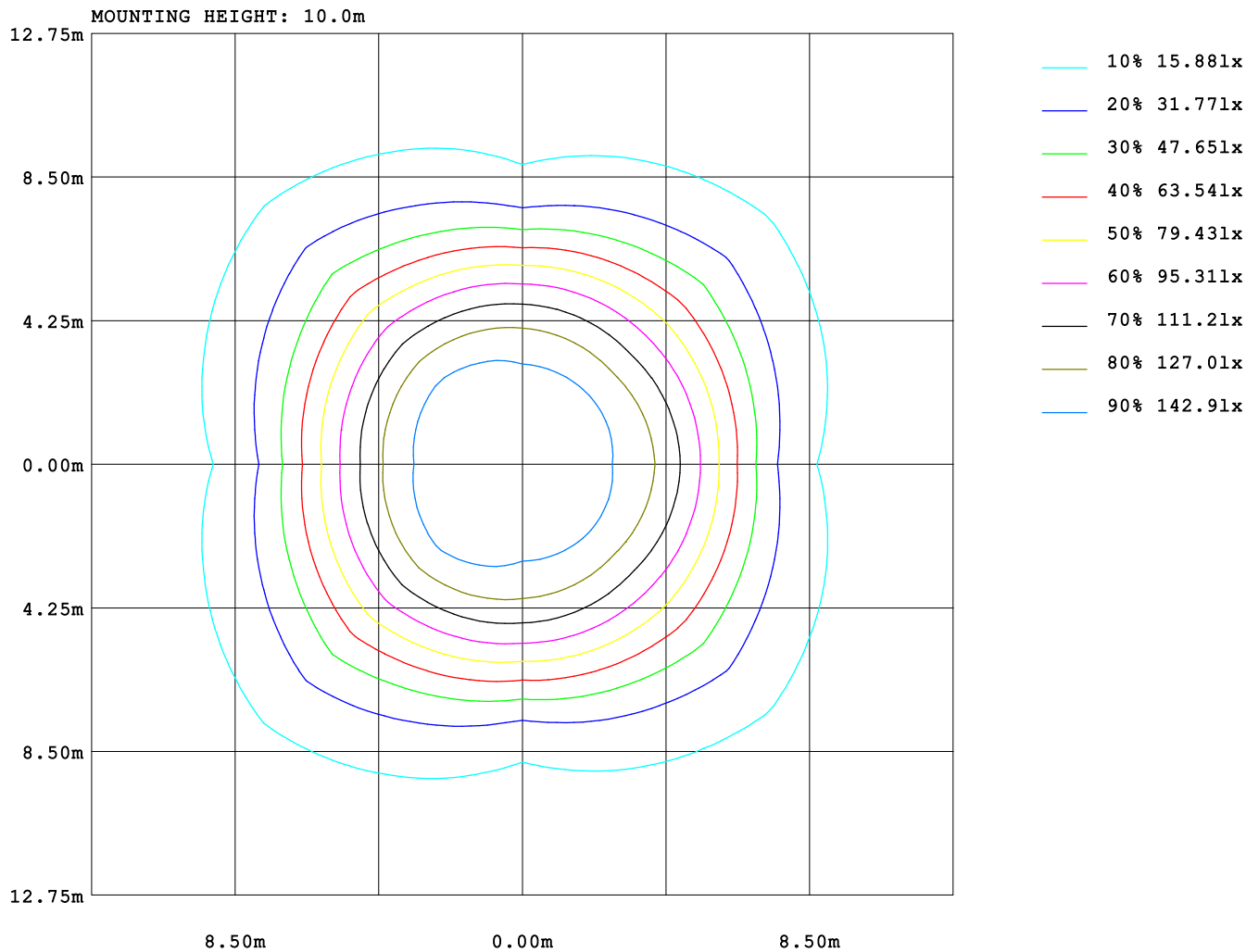
Test System:
Temperature:25.3DEG
Operators:
Test Date:2023.09.11

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

ISOLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Laura		TYPE: IL-HB25-N15040-75	WEIGHT:
SPECIFICATION: 2835LED 75deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :



Test System:
Temperature:25.3DEG
Operators:
Test Date:2023.09.11

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Laura		TYPE: IL-HB25-N15040-75	WEIGHT:
SPECIFICATION: 2835LED 75deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

UNIT: ×10cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315
0.0	1580	1580	1581	1580	1580	1580	1581	1580
5.0	1571	1564	1567	1589	1606	1596	1573	1576
10.0	1563	1576	1577	1633	1639	1640	1590	1587
15.0	1586	1606	1608	1700	1659	1697	1619	1609
20.0	1589	1572	1605	1703	1644	1692	1616	1571
25.0	1502	1465	1509	1613	1544	1606	1521	1467
30.0	1249	1290	1254	1446	1301	1443	1278	1295
35.0	825	1050	842	1203	912	1203	837	1052
40.0	407	769	431	908	513	910	434	767
45.0	260	514	266	620	313	619	281	510
50.0	179	323	184	398	211	364	193	320
55.0	135	197	138	248	151	241	145	195
60.0	107	126	108	153	114	150	113	125
65.0	82.7	83.7	83.1	99.8	87.3	99.2	87.1	83.9
70.0	60.9	56.6	60.9	66.3	63.1	66.5	63.6	56.6
75.0	41.6	35.7	39.4	42.8	40.7	42.9	43.2	35.4
80.0	23.5	19.2	23.0	24.4	23.9	24.2	24.5	18.8
85.0	9.98	7.08	8.79	10.8	9.04	10.6	10.3	6.74
90.0	2.96	1.64	2.49	3.23	1.91	3.14	2.87	1.59

Test System:
 Temperature:25.3DEG
 Operators:
 Test Date:2023.09.11

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