

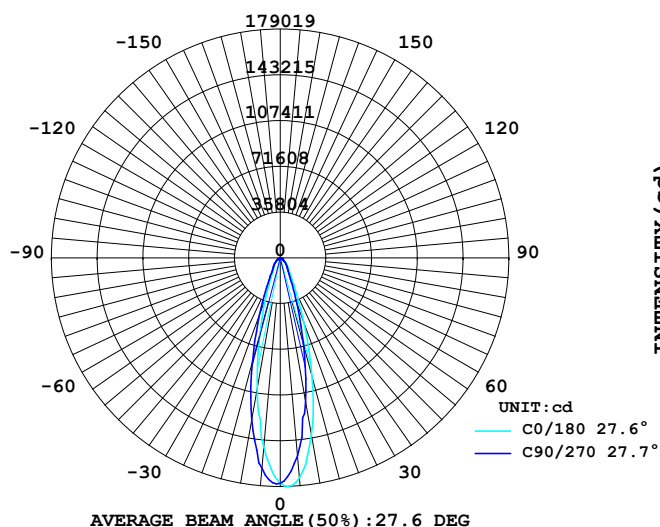
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

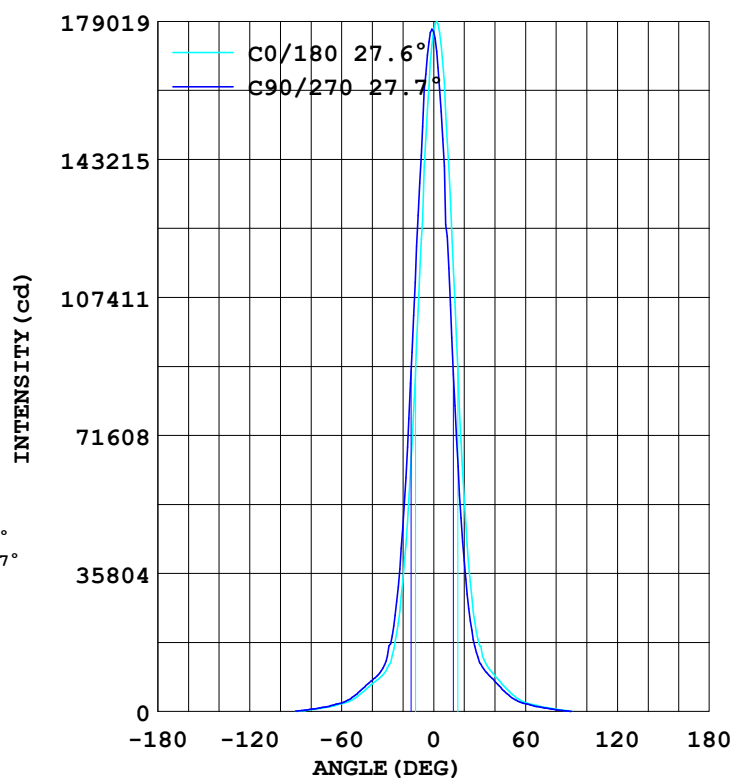
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Draxler	TYPE: IL-SL14-L45040-25	WEIGHT:
SPECIFICATION: 3535LED 4000K 25°	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax (cd)	179497	S/MH (C0/180)	0.40
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	0.49
NOMINAL POWER (W)	450	TOTAL FLUX (lm)	63343	Voltage (V)	229.3
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	140.7	Current (A)	1.972
NOMINAL FLUX (lm)	63343.2	$\eta$ up (%)	0.0	Power (W)	450.2
LAMPS QUANTITY	1	$\eta$ down (%)	100.0	Power Factor (PF)	0.995
TEST VOLTAGE (V)	229.4	Effective Flux (lm)	63343.2	EEI	0.106

### LUMINOUS INTENSITY DISTRIBUTION



### LUMINOUS INTENSITY DISTRIBUTION



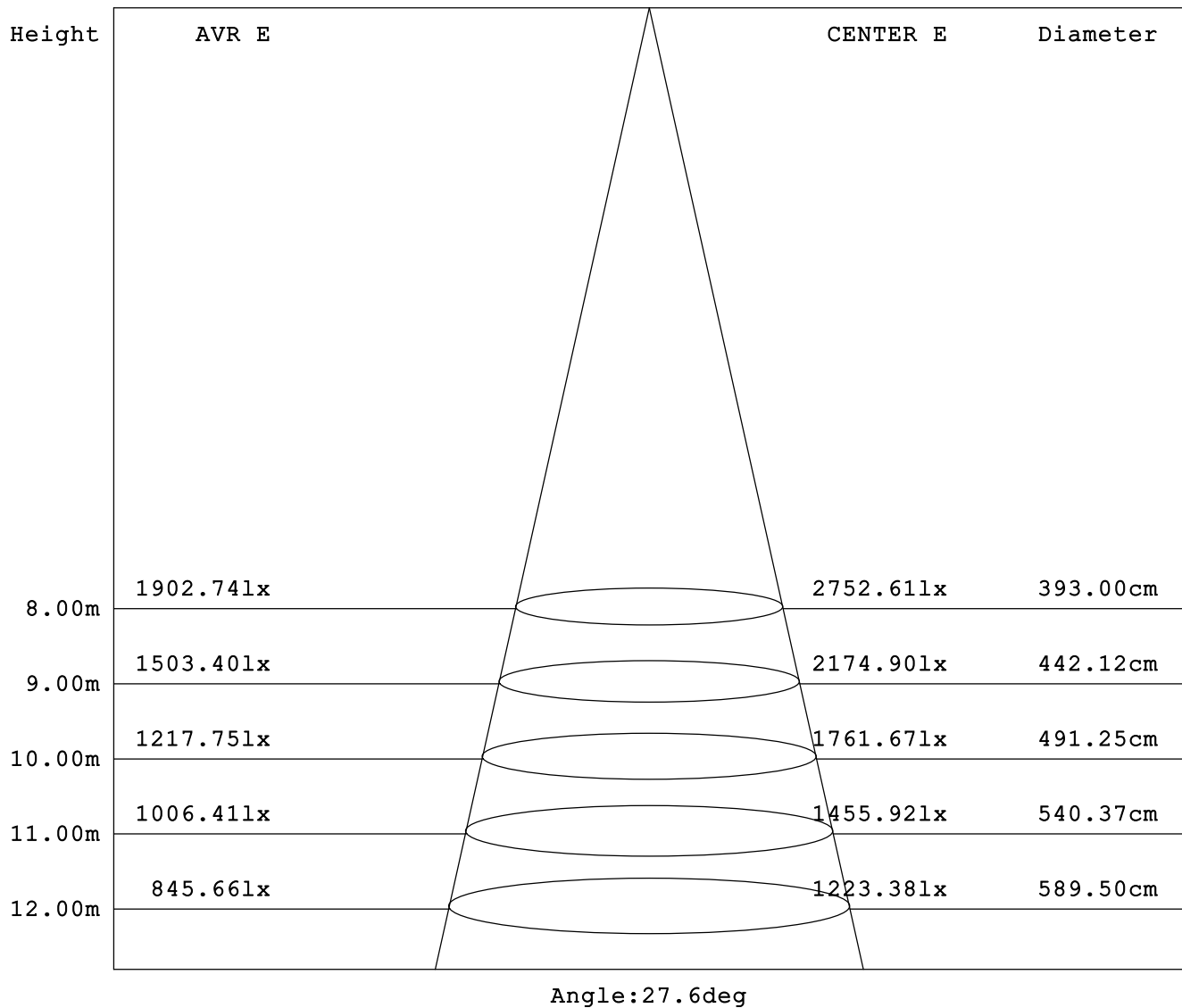
Test System:  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2022.06.30

Test Set: 5.0 deg/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: Draxler	TYPE: IL-SL14-L45040-25	WEIGHT:
SPECIFICATION: 3535LED 4000K 25°	DIMENSION:	SERIAL No.:



Test System:  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2022.06.30

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 Remarks:

## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Draxler	TYPE: IL-SL14-L45040-25	WEIGHT:
SPECIFICATION: 3535LED 4000K 25°	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1486	1563	1653	1724	1729	1638	1556	1490	0- 5	4028	4028
10.0	1041	1161	1286	1398	1409	1242	1150	1056	5- 10	10012	14040
15.0	624.2	733.9	850.3	951.9	960.6	817.2	707.1	629.8	10- 15	11701	25741
20.0	337.6	404.5	476.0	540.9	553.5	460.5	391.2	345.4	15- 20	9758	35498
25.0	179.5	211.6	249.4	286.2	295.0	246.5	210.2	185.1	20- 25	6746	42244
30.0	113.6	122.6	143.7	164.7	170.5	148.1	126.6	117.7	25- 30	4511	46756
35.0	87.38	91.94	100.1	112.5	118.5	109.5	99.41	91.67	30- 35	3446	50202
40.0	71.49	75.55	81.36	89.66	93.11	85.94	78.75	73.34	35- 40	3031	53233
45.0	54.35	58.82	63.86	69.48	70.21	62.82	57.26	53.94	40- 45	2635	55868
50.0	38.06	41.60	45.57	49.11	49.83	43.12	39.52	37.38	45- 50	2091	57958
55.0	26.41	28.57	31.22	33.22	33.24	28.93	26.97	25.68	50- 55	1549	59508
60.0	20.35	20.79	22.39	23.09	23.07	20.46	20.16	19.22	55- 60	1142	60650
65.0	14.67	15.65	17.21	17.56	17.83	15.53	14.94	13.75	60- 65	897.4	61547
70.0	10.94	10.78	12.16	12.24	12.93	10.94	11.23	9.859	65- 70	677.0	62224
75.0	7.544	7.474	8.839	8.647	9.239	7.486	7.737	6.632	70- 75	496.0	62720
80.0	4.483	4.799	5.833	5.706	6.163	4.850	4.665	4.031	75- 80	340.6	63061
85.0	2.016	2.317	2.893	2.965	3.027	2.236	2.102	1.855	80- 85	198.7	63260
90.0	0.701	0.784	1.117	1.151	1.185	0.718	0.741	0.571	85- 90	83.64	63343
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:×100cd									UNIT:lm	

Test System:  
Temperature:25.3DEG  
Operators:  
Test Date:2022.06.30

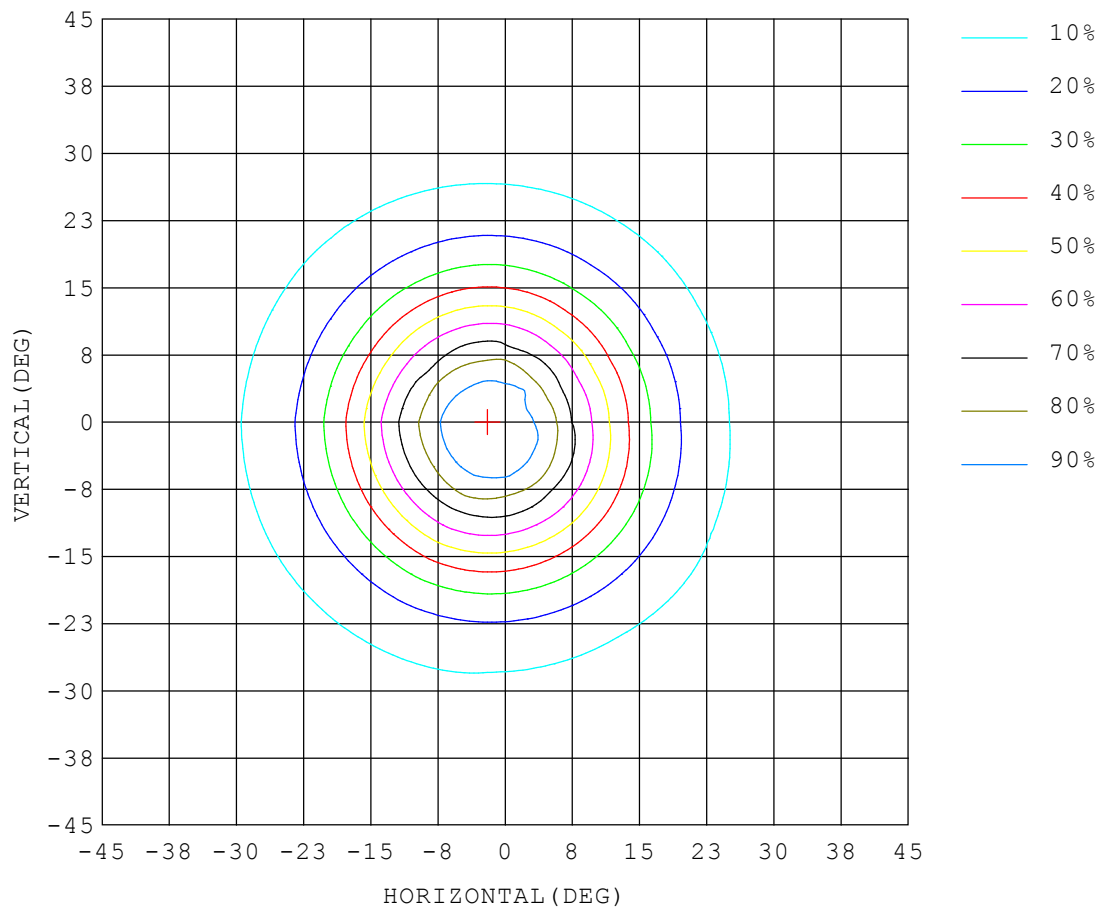
Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks:

## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Draxler	TYPE: IL-SL14-L45040-25	WEIGHT:
SPECIFICATION: 3535LED 4000K 25°	DIMENSION:	SERIAL No.:

UNIT: cd



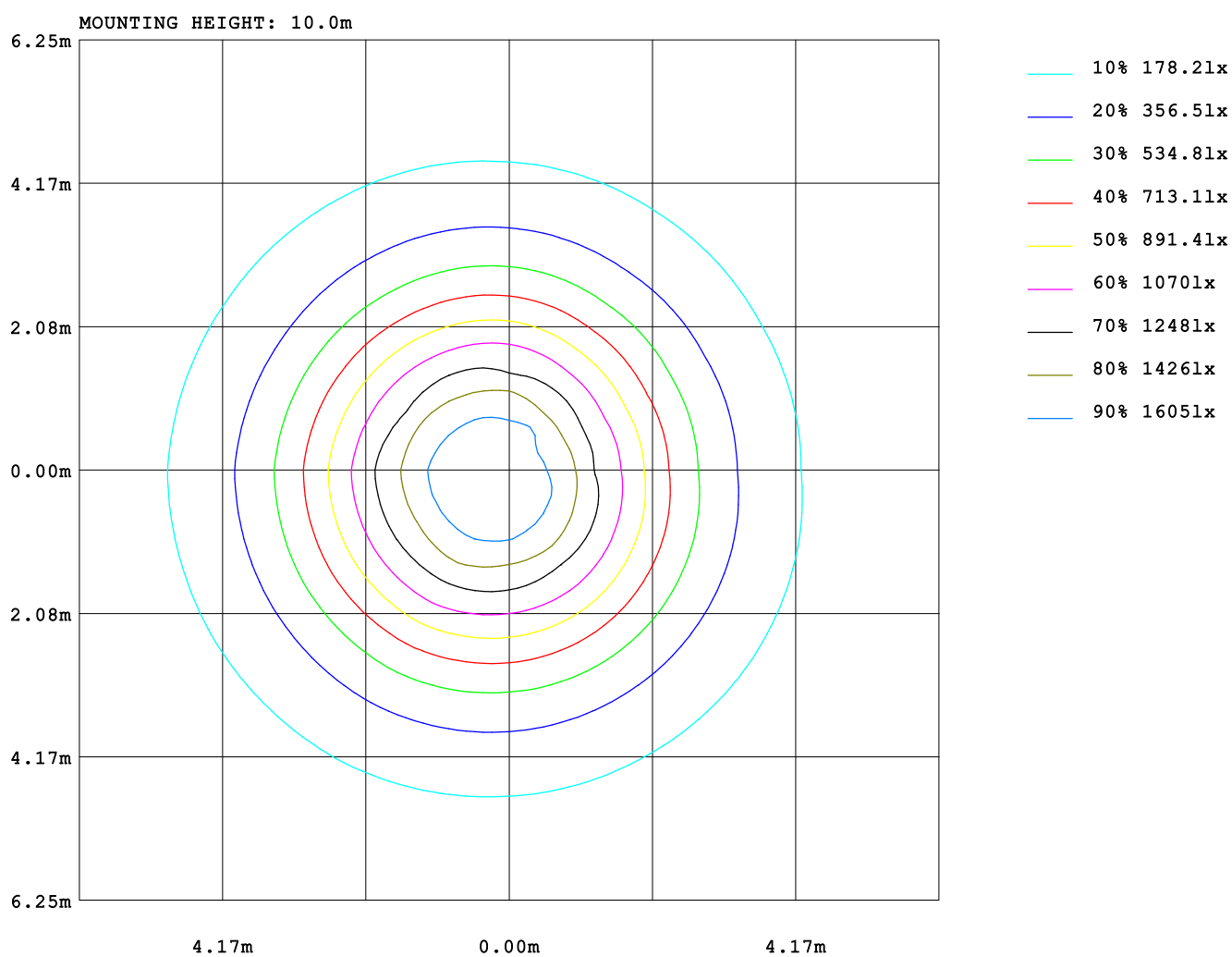
Test System:  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2022.06.30

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

## ISOLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Draxler	TYPE: IL-SL14-L45040-25	WEIGHT:
SPECIFICATION: 3535LED 4000K 25°	DIMENSION:	SERIAL No.:



Test System:  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022.06.30

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

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER: ILUMEN GMBH</b>	<b>Address:</b>	
<b>NAME: Draxler</b>	<b>TYPE:IL-SL14-L45040-25</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:3535LED 4000K 25°</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: ×100cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330
0.0	1764	1764	1764	1764	1764	1764	1764	1764	1764	1764	1764	1764
5.0	1486	1526	1600	1653	1713	1735	1729	1665	1612	1556	1491	1489
10.0	1041	1117	1204	1286	1384	1413	1409	1262	1221	1150	1070	1042
15.0	624	695	773	850	931	973	961	859	775	707	641	618
20.0	338	381	428	476	528	554	554	486	435	391	352	338
25.0	180	200	223	249	278	294	295	260	233	210	189	181
30.0	114	121	124	144	157	172	171	154	143	127	120	115
35.0	87.3	89.9	93.9	100	109	116	119	113	106	99.4	93.1	90.2
40.0	71.4	73.9	77.1	81.3	87.0	92.3	93.1	88.7	83.1	78.7	74.0	72.6
45.0	54.3	57.2	60.4	63.8	67.9	71.0	70.2	65.0	60.6	57.2	54.2	53.5
50.0	38.0	40.3	42.8	45.5	48.2	49.9	49.8	44.7	41.5	39.5	37.4	37.3
55.0	26.4	27.7	29.3	31.2	32.8	33.6	33.2	29.9	27.8	26.9	25.6	25.7
60.0	20.3	20.3	21.2	22.3	22.9	23.2	23.0	20.9	19.9	20.1	19.1	19.3
65.0	14.6	15.2	16.0	17.2	17.4	17.6	17.8	15.9	15.1	14.9	13.8	13.6
70.0	10.9	10.5	11.0	12.1	12.1	12.3	12.9	11.3	10.5	11.2	9.93	9.77
75.0	7.54	7.26	7.68	8.83	8.60	8.68	9.23	7.80	7.16	7.73	6.64	6.62
80.0	4.48	4.62	4.97	5.83	5.62	5.79	6.16	5.06	4.63	4.66	4.07	3.99
85.0	2.01	2.13	2.49	2.89	2.95	2.97	3.02	2.44	2.03	2.10	1.99	1.70
90.0	0.70	0.65	0.92	1.11	1.14	1.16	1.18	0.83	0.60	0.74	0.54	0.60

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