

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P790761

Luminaire Tested: LER6D25D010-EC6DR3020359027-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790761
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D25D010-EC6DR3020359027-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4914.5 lumens
Efficiency: N/A
Efficacy: 195.8 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

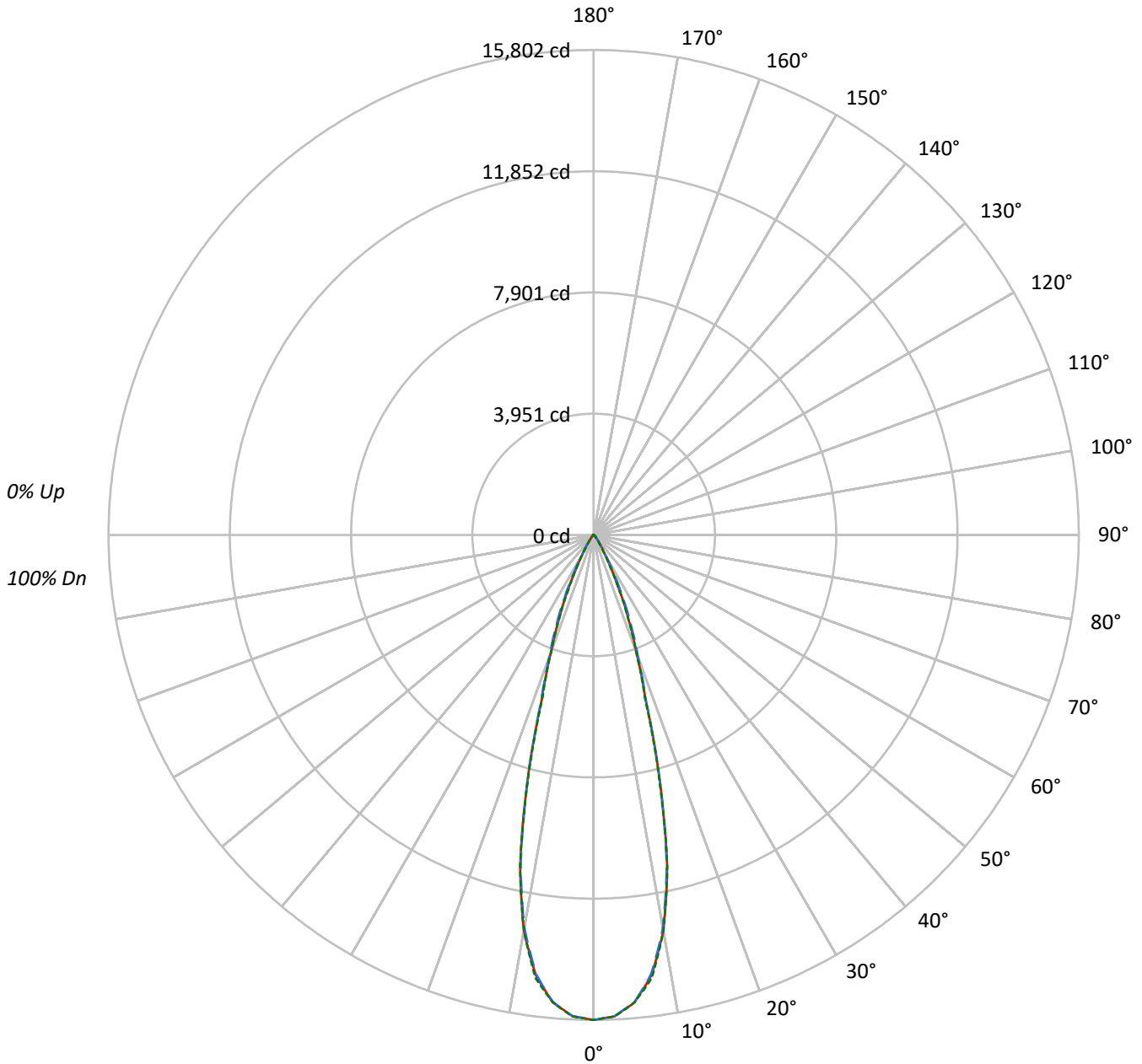
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1209577	1209577	1209577
5°	1174850	1173482	1174911
10°	1017596	1010422	1017355
15°	663934	660368	657048
20°	330140	342530	329700
25°	166303	187535	162899
30°	66580	72546	58016
35°	30883	29574	24790
40°	13329	14808	12560
45°	9407	11669	9493
50°	3239	8502	3418
55°	1868	3523	1962
60°	1301	1546	1301
65°	851	851	851
70°	515	358	515
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 11669 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1389.6	28.3
10°-20°	2237.9	45.5
20°-30°	967.1	19.7
30°-40°	220.4	4.5
40°-50°	75.7	1.5
50°-60°	18.5	0.4
60°-70°	4.8	0.1
70°-80°	0.5	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	4594.6	93.5
0°-40°	4815.0	98.0
0°-60°	4909.2	99.9
0°-90°	4914.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4914.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15802	15802	15802	15802	15802	
5°	15290	15276	15273	15304	15291	1391
15°	8378	8278	8333	8306	8292	2243
25°	1969	2044	2220	1992	1929	943
35°	330	338	316	314	265	224
45°	87	108	108	108	88	62
55°	14	15	26	16	15	14
65°	5	5	5	5	5	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	15802.5	15802.5	15802.5	15802.5	15802.5
2.5°	15697.7	15686.9	15693.1	15700.8	15703.9
5°	15290.4	15275.7	15272.6	15304.4	15291.2
7.5°	14468.8	14447.8	14416.0	14488.2	14555.7
10°	13092.4	13069.2	13000.1	13034.2	13089.3
12.5°	11060.5	10985.2	10983.7	11092.3	11077.6
15°	8378.4	8277.5	8333.4	8306.2	8291.5
17.5°	5634.2	5595.4	5669.9	5647.4	5550.4
20°	4053.0	4063.1	4205.1	4133.7	4047.6
22.5°	2957.5	2994.0	3162.4	2978.5	2911.0
25°	1969.1	2043.6	2220.5	1991.6	1928.8
27.5°	1211.1	1245.2	1424.5	1195.6	1161.4
30°	753.3	736.3	820.8	704.5	656.4
32.5°	494.2	472.5	499.6	448.4	409.6
35°	330.5	337.5	316.5	314.2	265.3
37.5°	206.4	237.4	209.5	223.4	170.7
40°	133.4	172.2	148.2	163.7	125.7
42.5°	109.4	132.7	121.8	129.6	111.7
45°	86.9	107.8	107.8	107.8	87.7
47.5°	48.1	72.2	92.3	73.7	51.2
50°	27.2	36.5	71.4	38.0	28.7
52.5°	18.6	20.9	48.9	21.7	19.4
55°	14.0	14.7	26.4	15.5	14.7
57.5°	10.9	11.6	14.0	11.6	10.9
60°	8.5	8.5	10.1	9.3	8.5
62.5°	6.2	6.2	7.0	6.2	6.2
65°	4.7	4.7	4.7	4.7	4.7
67.5°	2.3	3.1	3.1	3.1	3.1
70°	2.3	1.6	1.6	1.6	2.3
72.5°	1.6	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.8	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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