

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: P790765

Luminaire Tested: LER6D25D010-EC6DR3020359027-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790765
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-EC6DR3020359027-6LBS1LI
Description: 6 INCH ROUND SHALLOW 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: 5173.1 lumens
Efficiency: N/A
Efficacy: 206.1 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

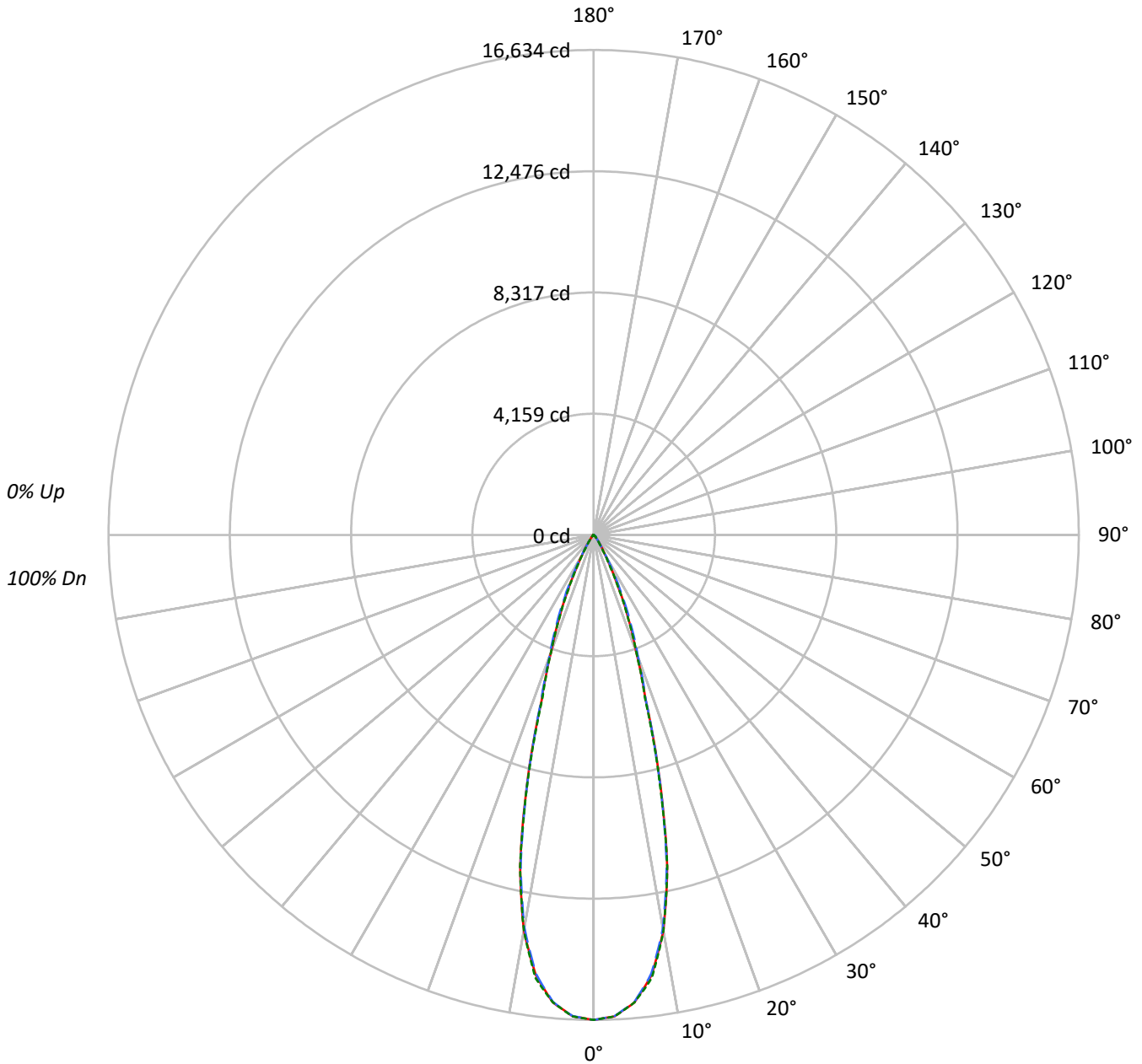
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1273238	1273238	1273238
5°	1236687	1235243	1236749
10°	1071156	1063601	1070900
15°	698881	695124	691630
20°	347515	360556	347050
25°	175053	197400	171472
30°	70089	76364	61065
35°	32509	31135	26098
40°	14039	15588	13219
45°	9905	12286	9991
50°	3406	8943	3596
55°	1962	3710	2068
60°	1378	1623	1378
65°	887	887	887
70°	559	358	559
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 12286 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1462.7	28.3
10°-20°	2355.7	45.5
20°-30°	1018.0	19.7
30°-40°	232.0	4.5
40°-50°	79.7	1.5
50°-60°	19.5	0.4
60°-70°	5.0	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°	4836.4	93.5
0°-40°	5068.4	98.0
0°-60°	5167.6	99.9
0°-90°	5173.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5173.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16634	16634	16634	16634	16634	
5°	16095	16080	16076	16110	16096	1464
15°	8819	8713	8772	8743	8728	2361
25°	2073	2151	2337	2096	2030	992
35°	348	355	333	331	279	236
45°	92	114	114	114	92	65
55°	15	16	28	16	16	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°	16634.2	16634.2	16634.2	16634.2	16634.2
2.5°	16523.9	16512.5	16519.0	16527.2	16530.5
5°	16095.2	16079.7	16076.4	16109.9	16096.0
7.5°	15230.3	15208.3	15174.8	15250.7	15321.8
10°	13781.5	13757.0	13684.3	13720.3	13778.2
12.5°	11642.6	11563.4	11561.8	11676.1	11660.6
15°	8819.4	8713.2	8772.0	8743.4	8727.9
17.5°	5930.7	5889.9	5968.3	5944.6	5842.5
20°	4266.3	4277.0	4426.4	4351.3	4260.6
22.5°	3113.2	3151.6	3328.8	3135.2	3064.2
25°	2072.7	2151.1	2337.3	2096.4	2030.3
27.5°	1274.8	1310.8	1499.4	1258.5	1222.6
30°	793.0	775.0	864.0	741.5	690.9
32.5°	520.2	497.4	525.9	472.0	431.2
35°	347.9	355.3	333.2	330.8	279.3
37.5°	217.2	249.9	220.5	235.2	179.7
40°	140.5	181.3	156.0	172.3	132.3
42.5°	115.2	139.7	128.2	136.4	117.6
45°	91.5	113.5	113.5	113.5	92.3
47.5°	50.6	76.0	97.2	77.6	53.9
50°	28.6	38.4	75.1	40.0	30.2
52.5°	19.6	22.1	51.5	22.9	20.4
55°	14.7	15.5	27.8	16.3	15.5
57.5°	11.4	12.3	14.7	12.3	11.4
60°	9.0	9.0	10.6	9.8	9.0
62.5°	6.5	6.5	7.4	6.5	6.5
65°	4.9	4.9	4.9	4.9	4.9
67.5°	2.5	3.3	3.3	3.3	3.3
70°	2.5	1.6	1.6	1.6	2.5
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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