

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: P790793

Luminaire Tested: LER6D25D010-EC6DR3020359050-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790793
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-EC6DR3020359050-6LB DP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5440.2 lumens
Efficiency: N/A
Efficacy: 216.7 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

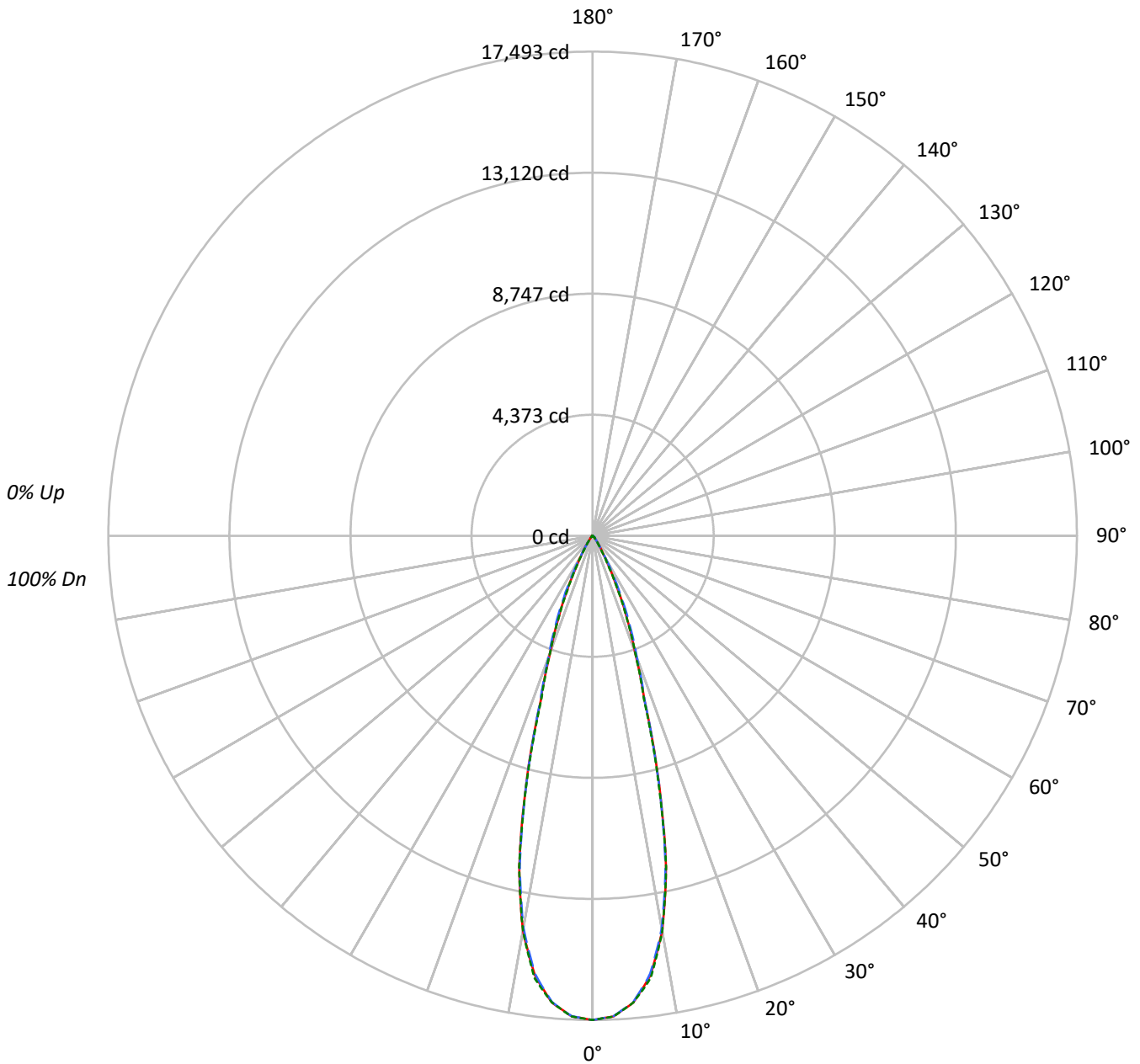
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1338974	1338974	1338974
5°	1300530	1299016	1300599
10°	1126457	1118513	1126193
15°	734960	731014	727337
20°	365460	379169	364971
25°	184098	207594	180323
30°	73704	80315	64220
35°	34191	32742	27444
40°	14758	16387	13899
45°	10414	12925	10500
50°	3584	9407	3787
55°	2068	3897	2175
60°	1439	1715	1439
65°	942	942	942
70°	582	380	582
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 12925 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1538.2	28.3
10°-20°	2477.4	45.5
20°-30°	1070.5	19.7
30°-40°	244.0	4.5
40°-50°	83.8	1.5
50°-60°	20.5	0.4
60°-70°	5.3	0.1
70°-80°	0.6	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°	5086.1	93.5
0°-40°	5330.1	98.0
0°-60°	5434.4	99.9
0°-90°	5440.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5440.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17493	17493	17493	17493	17493	
5°	16926	16910	16906	16942	16927	1540
15°	9275	9163	9225	9195	9178	2483
25°	2180	2262	2458	2205	2135	1043
35°	366	374	350	348	294	248
45°	96	119	119	119	97	68
55°	16	16	29	17	16	15
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°	17493.0	17493.0	17493.0	17493.0	17493.0
2.5°	17377.0	17365.0	17371.9	17380.5	17383.9
5°	16926.1	16909.8	16906.4	16941.6	16927.0
7.5°	16016.6	15993.4	15958.2	16038.1	16112.8
10°	14493.0	14467.3	14390.8	14428.6	14489.6
12.5°	12243.7	12160.4	12158.7	12278.9	12262.6
15°	9274.7	9163.0	9224.9	9194.8	9178.5
17.5°	6236.9	6194.0	6276.4	6251.5	6144.2
20°	4486.6	4497.8	4654.9	4575.9	4480.6
22.5°	3273.9	3314.3	3500.7	3297.1	3222.4
25°	2179.8	2262.2	2458.0	2204.7	2135.1
27.5°	1340.7	1378.4	1576.8	1323.5	1285.7
30°	833.9	815.0	908.7	779.8	726.6
32.5°	547.1	523.0	553.1	496.4	453.5
35°	365.9	373.6	350.4	347.8	293.7
37.5°	228.5	262.8	231.9	247.3	188.9
40°	147.7	190.7	164.0	181.2	139.1
42.5°	121.1	146.9	134.8	143.4	123.7
45°	96.2	119.4	119.4	119.4	97.0
47.5°	53.2	79.9	102.2	81.6	56.7
50°	30.1	40.4	79.0	42.1	31.8
52.5°	20.6	23.2	54.1	24.0	21.5
55°	15.5	16.3	29.2	17.2	16.3
57.5°	12.0	12.9	15.5	12.9	12.0
60°	9.4	9.4	11.2	10.3	9.4
62.5°	6.9	6.9	7.7	6.9	6.9
65°	5.2	5.2	5.2	5.2	5.2
67.5°	2.6	3.4	3.4	3.4	3.4
70°	2.6	1.7	1.7	1.7	2.6
72.5°	1.7	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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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