

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: P790647

Luminaire Tested: LER6D25D010-EC6DR1515309050-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790647
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D25D010-EC6DR1515309050-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2869.1 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

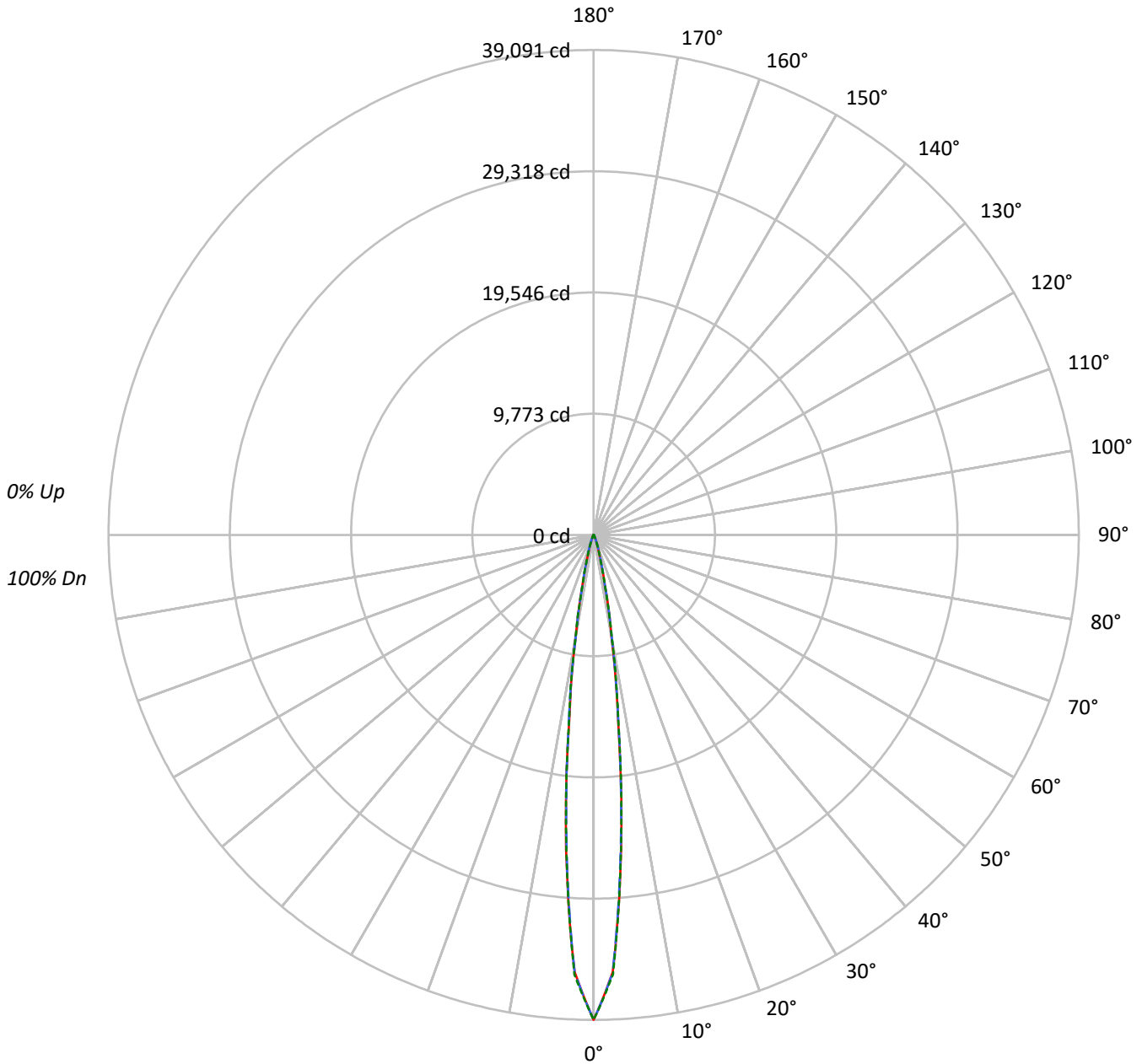
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4398506	4398506	4398506
5°	2584769	2551302	2571486
10°	771430	776842	788729
15°	191884	195628	189582
20°	57415	66481	58634
25°	20239	25785	20496
30°	7436	9787	7556
35°	3725	4205	3602
40°	2351	2585	2351
45°	1736	1855	1736
50°	1384	1384	1384
55°	1148	1148	1148
60°	927	927	927
65°	707	707	707
70°	607	607	607
75°	378	378	499
80°	260	260	260
85°	141	141	141

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1855 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1860.8	64.9
10°-20°	765.4	26.7
20°-30°	152.0	5.3
30°-40°	37.9	1.3
40°-50°	20.0	0.7
50°-60°	14.8	0.5
60°-70°	10.4	0.4
70°-80°	6.0	0.2
80°-90°	1.8	0.1
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°	2778.2	96.8
0°-40°	2816.2	98.2
0°-60°	2850.9	99.4
0°-90°	2869.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2869.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	39091	39091	39091	39091	39091	
5°	25433	25172	25104	25278	25303	1857
15°	2209	2251	2252	2212	2183	757
25°	260	295	331	293	263	136
35°	51	55	58	55	50	35
45°	25	25	26	25	25	19
55°	16	16	16	16	16	15
65°	10	10	10	10	10	10
75°	5	5	5	5	7	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	39090.9	39090.9	39090.9	39090.9	39090.9
2.5°	35261.6	35291.4	35303.0	35337.7	35466.8
5°	25433.4	25172.0	25104.1	25277.9	25302.7
7.5°	15065.8	15118.7	15312.3	15355.4	15199.8
10°	8267.6	8335.5	8325.6	8385.1	8453.0
12.5°	4228.1	4175.2	4158.6	4226.5	4132.2
15°	2209.2	2250.6	2252.3	2212.5	2182.7
17.5°	1188.2	1236.2	1315.6	1251.1	1151.8
20°	701.7	744.7	812.5	759.6	716.6
22.5°	433.6	468.3	516.3	474.9	440.2
25°	259.8	294.6	331.0	292.9	263.1
27.5°	153.9	183.7	206.9	182.0	152.2
30°	99.3	115.8	130.7	114.2	100.9
32.5°	69.5	76.1	82.7	76.1	69.5
35°	51.3	54.6	57.9	54.6	49.6
37.5°	39.7	43.0	44.7	41.4	38.1
40°	33.1	34.8	36.4	34.8	33.1
42.5°	28.1	29.8	29.8	29.8	28.1
45°	24.8	24.8	26.5	24.8	24.8
47.5°	21.5	21.5	23.2	21.5	21.5
50°	19.9	19.9	19.9	19.9	19.9
52.5°	18.2	18.2	18.2	18.2	18.2
55°	16.5	16.5	16.5	16.5	16.5
57.5°	14.9	14.9	14.9	14.9	14.9
60°	13.2	13.2	13.2	13.2	13.2
62.5°	11.6	11.6	11.6	11.6	11.6
65°	9.9	9.9	9.9	9.9	9.9
67.5°	9.9	9.9	9.9	9.9	9.9
70°	8.3	8.3	8.3	8.3	8.3
72.5°	6.6	6.6	6.6	6.6	6.6
75°	5.0	5.0	5.0	5.0	6.6
77.5°	5.0	5.0	5.0	5.0	5.0
80°	3.3	3.3	3.3	3.3	3.3
82.5°	3.3	3.3	3.3	3.3	3.3
85°	1.7	1.7	1.7	1.7	1.7
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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