

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: P790630

Luminaire Tested: LER6D25D010-EC6DR1515309030-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790630
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-EC6DR1515309030-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2863.8 lumens
Efficiency: N/A
Efficacy: 114.1 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

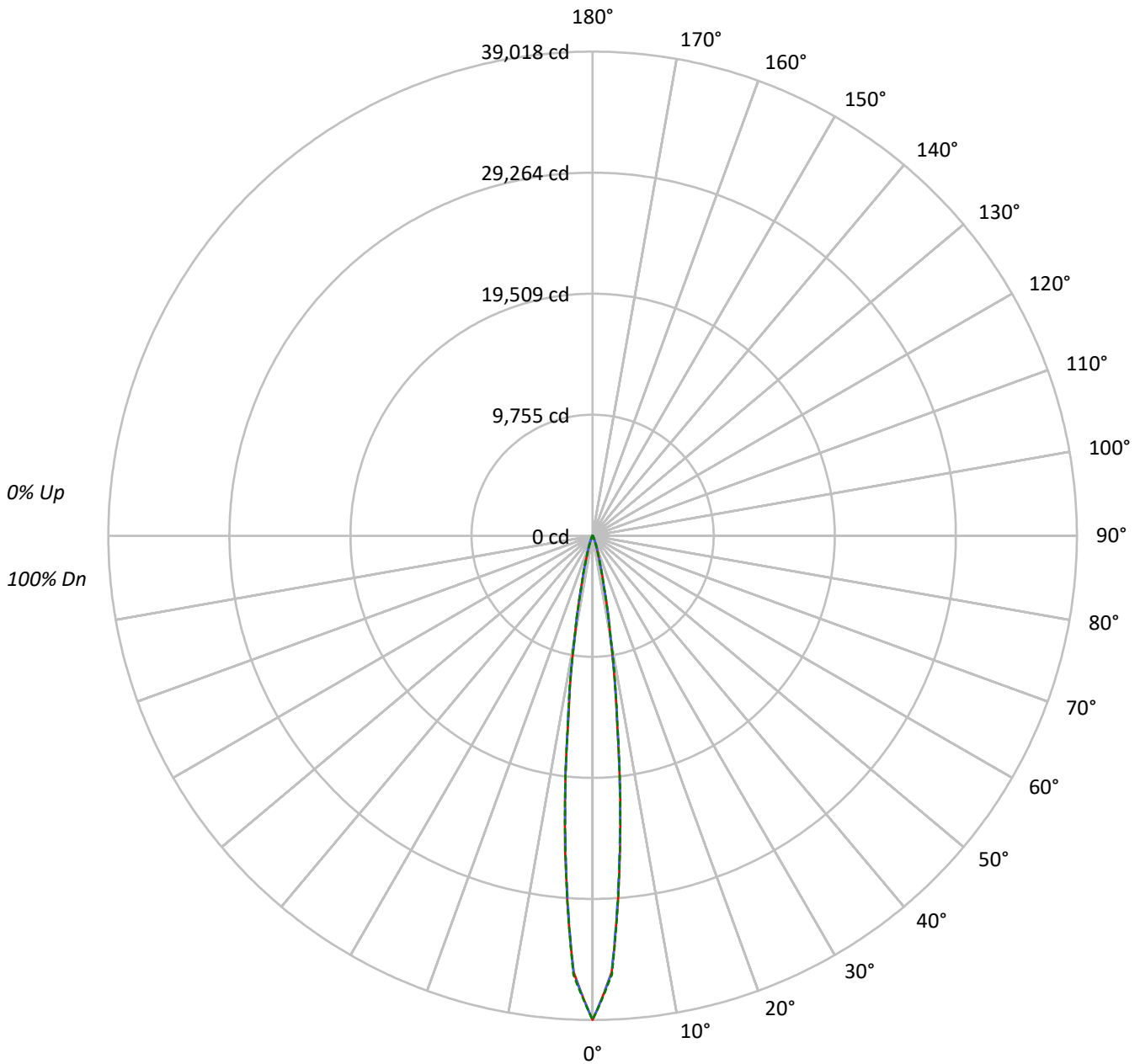


Downlight

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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	87	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°	4390281	4390281	4390281
5°	2579941	2546536	2566679
10°	769993	775386	787255
15°	191528	195254	189235
20°	57301	66358	58520
25°	20200	25738	20457
30°	7421	9772	7548
35°	3718	4197	3602
40°	2343	2578	2343
45°	1736	1848	1736
50°	1377	1377	1377
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: 1848 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1857.3	64.9
10°-20°	764.0	26.7
20°-30°	151.7	5.3
30°-40°	37.9	1.3
40°-50°	19.9	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°	2773.0	96.8
0°-40°	2810.9	98.2
0°-60°	2845.6	99.4
0°-90°	2863.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2863.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	39018	39018	39018	39018	39018	
5°	25386	25125	25057	25231	25255	1854
15°	2205	2246	2248	2208	2179	756
25°	259	294	330	292	263	136
35°	51	54	58	54	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°	39017.8	39017.8	39017.8	39017.8	39017.8
2.5°	35195.6	35225.4	35236.9	35271.6	35400.5
5°	25385.9	25124.9	25057.2	25230.6	25255.4
7.5°	15037.6	15090.5	15283.7	15326.7	15171.4
10°	8252.2	8319.9	8310.0	8369.5	8437.2
12.5°	4220.2	4167.4	4150.9	4218.6	4124.4
15°	2205.1	2246.4	2248.0	2208.4	2178.7
17.5°	1186.0	1233.9	1313.1	1248.7	1149.6
20°	700.3	743.3	811.0	758.2	715.2
22.5°	432.8	467.4	515.3	474.1	439.4
25°	259.3	294.0	330.4	292.4	262.6
27.5°	153.6	183.3	206.5	181.7	152.0
30°	99.1	115.6	130.5	114.0	100.8
32.5°	69.4	76.0	82.6	76.0	69.4
35°	51.2	54.5	57.8	54.5	49.6
37.5°	39.6	42.9	44.6	41.3	38.0
40°	33.0	34.7	36.3	34.7	33.0
42.5°	28.1	29.7	29.7	29.7	28.1
45°	24.8	24.8	26.4	24.8	24.8
47.5°	21.5	21.5	23.1	21.5	21.5
50°	19.8	19.8	19.8	19.8	19.8
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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