

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: P790629

Luminaire Tested: LER6D25D010-EC6DR1515309030-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790629
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-EC6DR1515309030-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3165.3 lumens
Efficiency: N/A
Efficacy: 126.1 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

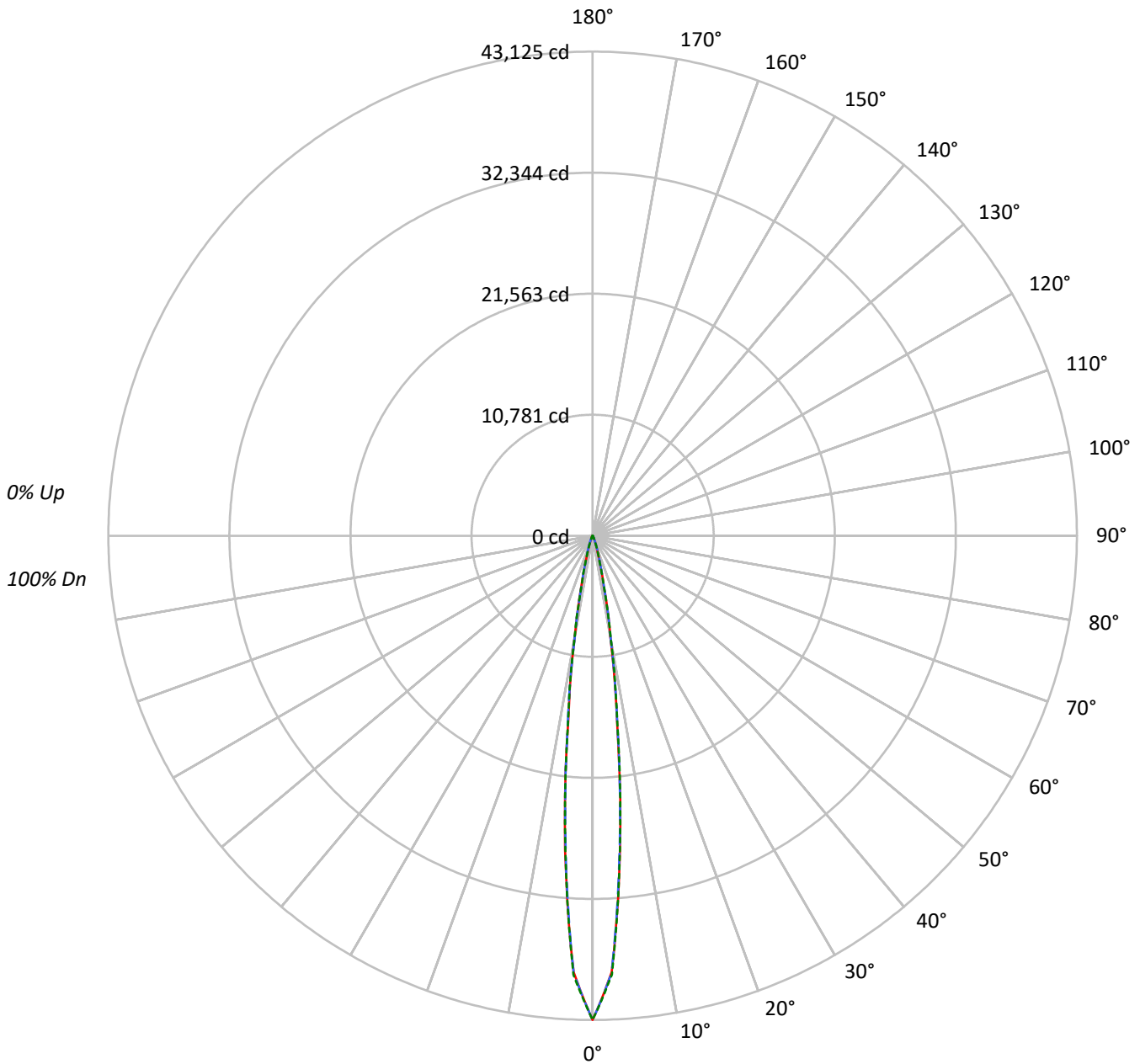


Downlight

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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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100														
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98					98														
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96					96														
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94					94														
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93					93														
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92					92														
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90					90														
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89					89														
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88					88														
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87					87														
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86					86														

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4852434	4852434	4852434
5°	2851524	2814602	2836869
10°	851049	857012	870121
15°	211687	215813	209151
20°	63339	73346	64681
25°	22326	28442	22615
30°	8199	10798	8342
35°	4110	4640	3980
40°	2592	2855	2592
45°	1918	2044	1918
50°	1523	1523	1523
55°	1274	1274	1274
60°	1025	1025	1025
65°	785	785	785
70°	666	666	666
75°	416	416	552
80°	292	292	292
85°	149	149	149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2044 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2052.8	64.9
10°-20°	844.4	26.7
20°-30°	167.7	5.3
30°-40°	41.9	1.3
40°-50°	22.0	0.7
50°-60°	16.3	0.5
60°-70°	11.5	0.4
70°-80°	6.6	0.2
80°-90°	2.0	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°	3065.0	96.8
0°-40°	3106.8	98.2
0°-60°	3145.1	99.4
0°-90°	3165.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3165.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	43125	43125	43125	43125	43125	
5°	28058	27770	27695	27887	27914	2049
15°	2437	2483	2485	2441	2408	836
25°	287	325	365	323	290	151
35°	57	60	64	60	55	38
45°	27	27	29	27	27	21
55°	18	18	18	18	18	16
65°	11	11	11	11	11	12
75°	6	6	6	6	7	7
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°	43125.1	43125.1	43125.1	43125.1	43125.1
2.5°	38900.6	38933.5	38946.3	38984.6	39127.0
5°	28058.2	27769.7	27694.9	27886.6	27914.0
7.5°	16620.6	16679.0	16892.6	16940.1	16768.5
10°	9120.9	9195.7	9184.8	9250.5	9325.3
12.5°	4664.5	4606.1	4587.8	4662.7	4558.6
15°	2437.2	2482.9	2484.7	2440.9	2408.0
17.5°	1310.8	1363.7	1451.4	1380.2	1270.6
20°	774.1	821.5	896.4	838.0	790.5
22.5°	478.3	516.7	569.6	524.0	485.6
25°	286.6	325.0	365.1	323.1	290.3
27.5°	169.8	202.6	228.2	200.8	168.0
30°	109.5	127.8	144.2	126.0	111.4
32.5°	76.7	84.0	91.3	84.0	76.7
35°	56.6	60.2	63.9	60.2	54.8
37.5°	43.8	47.5	49.3	45.6	42.0
40°	36.5	38.3	40.2	38.3	36.5
42.5°	31.0	32.9	32.9	32.9	31.0
45°	27.4	27.4	29.2	27.4	27.4
47.5°	23.7	23.7	25.6	23.7	23.7
50°	21.9	21.9	21.9	21.9	21.9
52.5°	20.1	20.1	20.1	20.1	20.1
55°	18.3	18.3	18.3	18.3	18.3
57.5°	16.4	16.4	16.4	16.4	16.4
60°	14.6	14.6	14.6	14.6	14.6
62.5°	12.8	12.8	12.8	12.8	12.8
65°	11.0	11.0	11.0	11.0	11.0
67.5°	11.0	11.0	11.0	11.0	11.0
70°	9.1	9.1	9.1	9.1	9.1
72.5°	7.3	7.3	7.3	7.3	7.3
75°	5.5	5.5	5.5	5.5	7.3
77.5°	5.5	5.5	5.5	5.5	5.5
80°	3.7	3.7	3.7	3.7	3.7
82.5°	3.7	3.7	3.7	3.7	3.7
85°	1.8	1.8	1.8	1.8	1.8
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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