

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: P790633

Luminaire Tested: LER6D25D010-EC6DR1515309035-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790633
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-EC6DR1515309035-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3174.4 lumens
Efficiency: N/A
Efficacy: 126.5 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

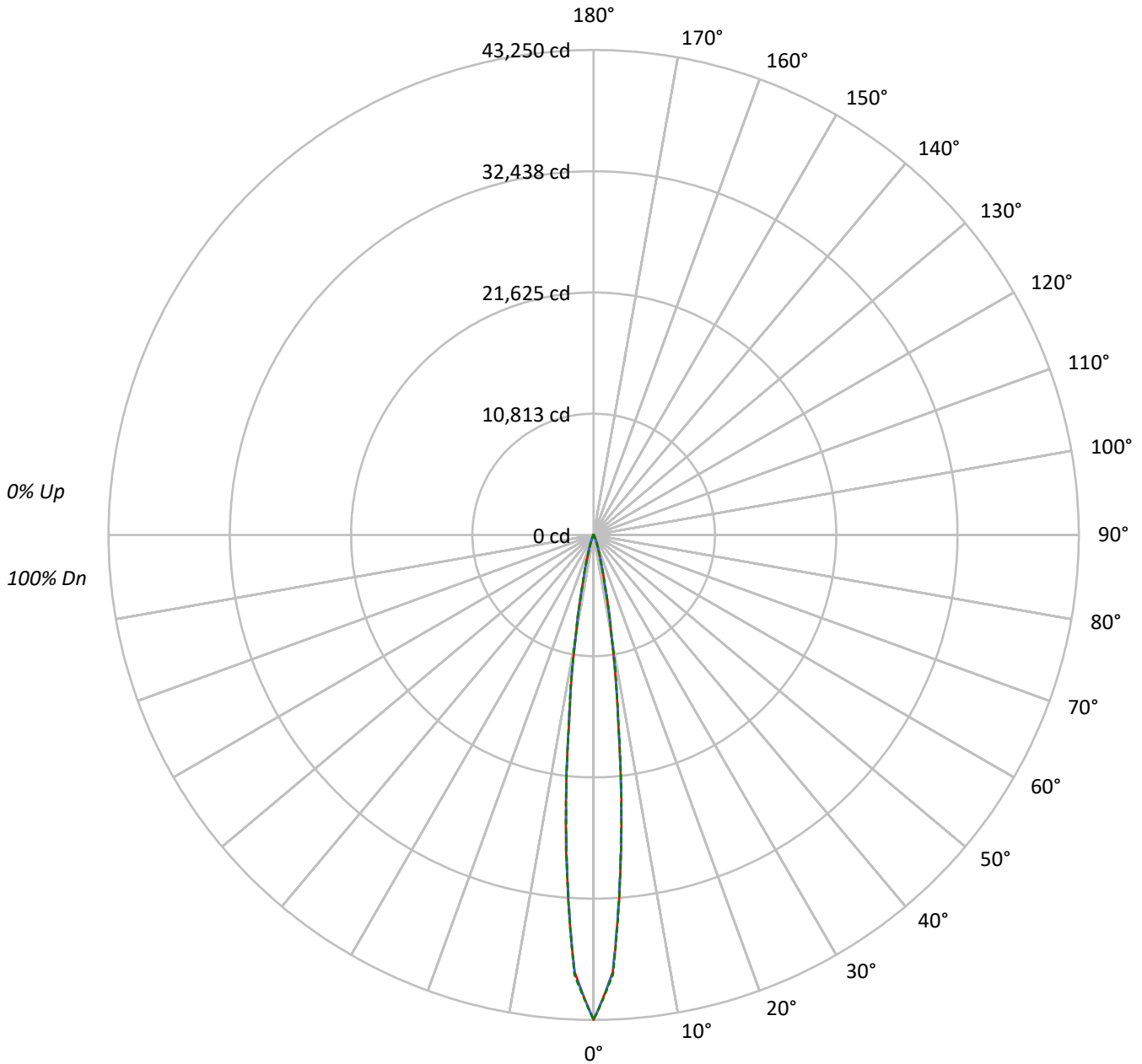


Downlight

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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	88	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°	4866477	4866477	4866477
5°	2859766	2822743	2845071
10°	853503	859484	872641
15°	212304	216439	209759
20°	63519	73559	64869
25°	22396	28527	22677
30°	8229	10828	8364
35°	4125	4655	3987
40°	2599	2862	2599
45°	1925	2051	1925
50°	1530	1530	1530
55°	1274	1274	1274
60°	1025	1025	1025
65°	785	785	785
70°	673	673	673
75°	416	416	552
80°	292	292	292
85°	149	149	149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2051 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2058.8	64.9
10°-20°	846.8	26.7
20°-30°	168.2	5.3
30°-40°	42.0	1.3
40°-50°	22.1	0.7
50°-60°	16.4	0.5
60°-70°	11.6	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°	3073.8	96.8
0°-40°	3115.8	98.2
0°-60°	3154.2	99.4
0°-90°	3174.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3174.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	43250	43250	43250	43250	43250	
5°	28139	27850	27775	27967	27995	2055
15°	2444	2490	2492	2448	2415	838
25°	288	326	366	324	291	151
35°	57	60	64	60	55	39
45°	28	28	29	28	28	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°	43249.9	43249.9	43249.9	43249.9	43249.9
2.5°	39013.1	39046.1	39058.9	39097.3	39240.2
5°	28139.3	27850.0	27775.0	27967.2	27994.7
7.5°	16668.6	16727.2	16941.5	16989.1	16816.9
10°	9147.2	9222.3	9211.3	9277.2	9352.3
12.5°	4678.0	4619.4	4601.1	4676.2	4571.8
15°	2444.3	2490.0	2491.9	2447.9	2415.0
17.5°	1314.6	1367.7	1455.6	1384.2	1274.3
20°	776.3	823.9	899.0	840.4	792.8
22.5°	479.7	518.1	571.2	525.5	487.0
25°	287.5	325.9	366.2	324.1	291.1
27.5°	170.3	203.2	228.9	201.4	168.4
30°	109.9	128.2	144.6	126.3	111.7
32.5°	76.9	84.2	91.5	84.2	76.9
35°	56.8	60.4	64.1	60.4	54.9
37.5°	43.9	47.6	49.4	45.8	42.1
40°	36.6	38.4	40.3	38.4	36.6
42.5°	31.1	33.0	33.0	33.0	31.1
45°	27.5	27.5	29.3	27.5	27.5
47.5°	23.8	23.8	25.6	23.8	23.8
50°	22.0	22.0	22.0	22.0	22.0
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°	16.5	16.5	16.5	16.5	16.5
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°	9.2	9.2	9.2	9.2	9.2
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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