

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P790639

Luminaire Tested: LER6D25D010-EC6DR1515309040-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790639
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-EC6DR1515309040-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2903.3 lumens
Efficiency: N/A
Efficacy: 115.7 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

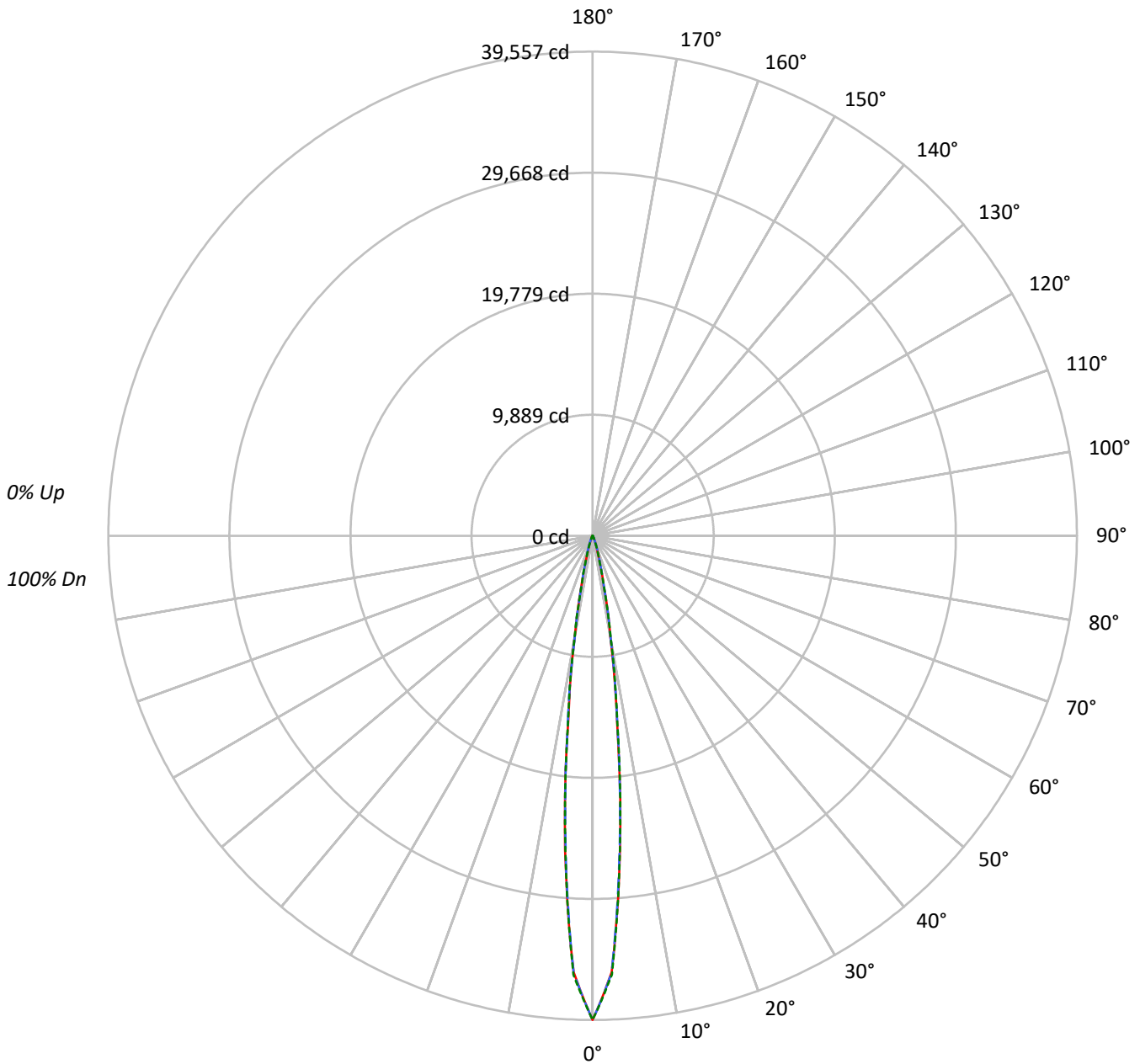


Downlight

TEST NUMBER: P790639

CATALOG NUMBER: LER6D25D010-EC6DR1515309040-6LBDP1B

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°	4450997	4450997	4450997
5°	2615613	2581750	2602167
10°	780639	786107	798144
15°	194177	197955	191849
20°	58094	67275	59330
25°	20480	26089	20745
30°	7526	9907	7653
35°	3769	4255	3645
40°	2379	2613	2379
45°	1757	1876	1757
50°	1398	1398	1398
55°	1162	1162	1162
60°	941	941	941
65°	714	714	714
70°	614	614	614
75°	378	378	506
80°	260	260	260
85°	141	141	141

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1876 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1883.0	64.9
10°-20°	774.5	26.7
20°-30°	153.8	5.3
30°-40°	38.4	1.3
40°-50°	20.2	0.7
50°-60°	15.0	0.5
60°-70°	10.5	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°	2811.4	96.8
0°-40°	2849.8	98.2
0°-60°	2884.9	99.4
0°-90°	2903.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2903.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	39557	39557	39557	39557	39557	
5°	25737	25472	25404	25580	25605	1879
15°	2236	2278	2279	2239	2209	766
25°	263	298	335	296	266	138
35°	52	55	59	55	50	35
45°	25	25	27	25	25	20
55°	17	17	17	17	17	15
65°	10	10	10	10	10	11
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°	39557.4	39557.4	39557.4	39557.4	39557.4
2.5°	35682.4	35712.5	35724.2	35759.4	35890.0
5°	25736.9	25472.3	25403.7	25579.5	25604.6
7.5°	15245.5	15299.1	15495.1	15538.6	15381.2
10°	8366.3	8435.0	8424.9	8485.2	8553.9
12.5°	4278.6	4225.0	4208.3	4276.9	4181.5
15°	2235.6	2277.5	2279.1	2238.9	2208.8
17.5°	1202.4	1250.9	1331.3	1266.0	1165.5
20°	710.0	753.6	822.2	768.6	725.1
22.5°	438.7	473.9	522.5	480.6	445.4
25°	262.9	298.1	334.9	296.4	266.3
27.5°	155.7	185.9	209.3	184.2	154.1
30°	100.5	117.2	132.3	115.5	102.2
32.5°	70.3	77.0	83.7	77.0	70.3
35°	51.9	55.3	58.6	55.3	50.2
37.5°	40.2	43.5	45.2	41.9	38.5
40°	33.5	35.2	36.8	35.2	33.5
42.5°	28.5	30.1	30.1	30.1	28.5
45°	25.1	25.1	26.8	25.1	25.1
47.5°	21.8	21.8	23.4	21.8	21.8
50°	20.1	20.1	20.1	20.1	20.1
52.5°	18.4	18.4	18.4	18.4	18.4
55°	16.7	16.7	16.7	16.7	16.7
57.5°	15.1	15.1	15.1	15.1	15.1
60°	13.4	13.4	13.4	13.4	13.4
62.5°	11.7	11.7	11.7	11.7	11.7
65°	10.0	10.0	10.0	10.0	10.0
67.5°	10.0	10.0	10.0	10.0	10.0
70°	8.4	8.4	8.4	8.4	8.4
72.5°	6.7	6.7	6.7	6.7	6.7
75°	5.0	5.0	5.0	5.0	6.7
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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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