

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: P790627

Luminaire Tested: LER6D25D010-EC6DR1515309030-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790627
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-EC6DR1515309030-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2829.3 lumens
Efficiency: N/A
Efficacy: 112.7 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

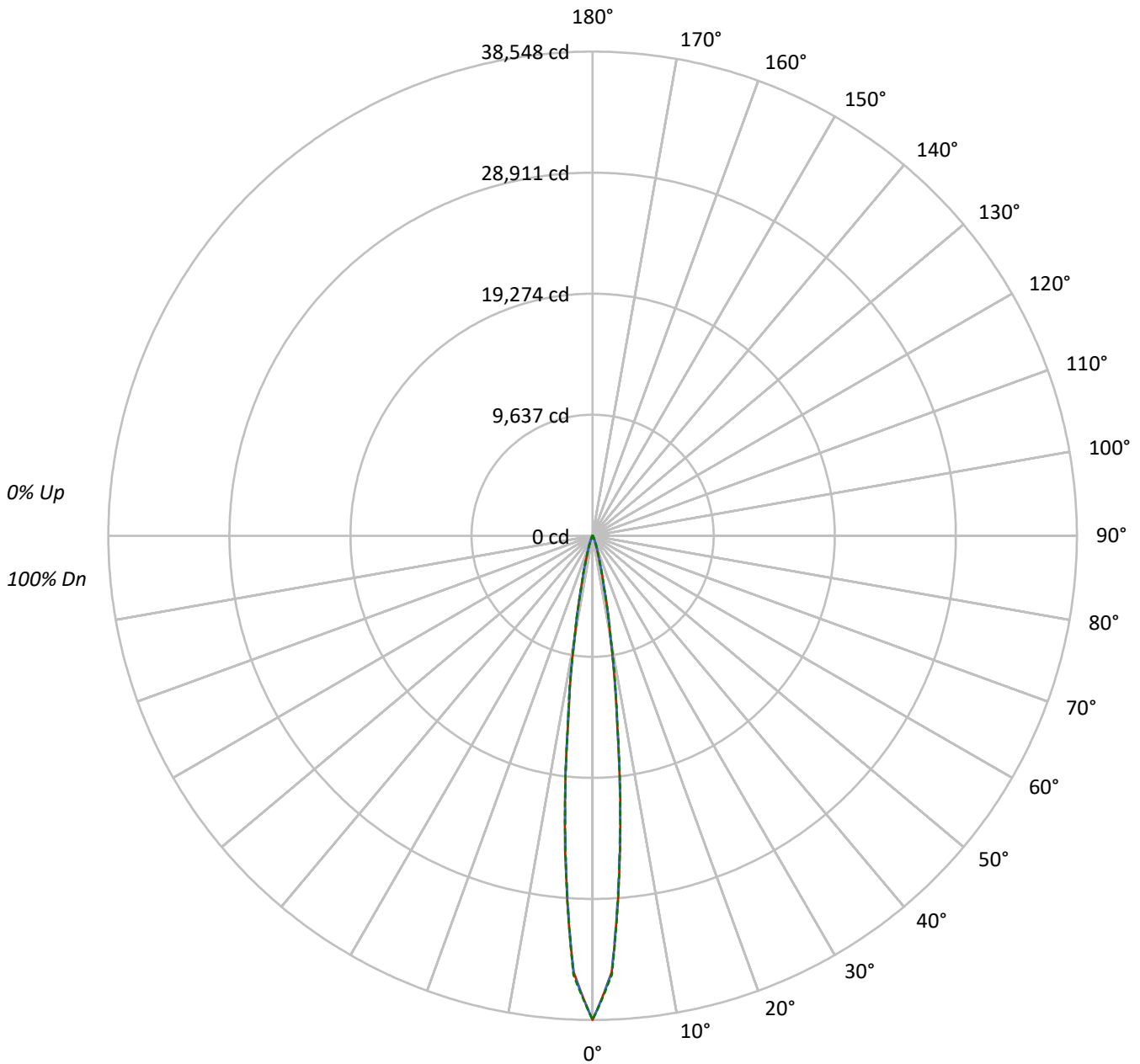


Downlight

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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°	4337385	4337385	4337385
5°	2548853	2515854	2535753
10°	760718	766046	777765
15°	189218	192909	186951
20°	56613	65556	57816
25°	19958	25427	20215
30°	7331	9652	7451
35°	3675	4147	3558
40°	2315	2549	2315
45°	1715	1827	1715
50°	1363	1363	1363
55°	1135	1135	1135
60°	920	920	920
65°	699	699	699
70°	600	600	600
75°	370	370	491
80°	260	260	260
85°	133	133	133

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1827 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1834.9	64.9
10°-20°	754.8	26.7
20°-30°	149.9	5.3
30°-40°	37.4	1.3
40°-50°	19.7	0.7
50°-60°	14.6	0.5
60°-70°	10.3	0.4
70°-80°	5.9	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°	2739.6	96.8
0°-40°	2777.0	98.2
0°-60°	2811.3	99.4
0°-90°	2829.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2829.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	38548	38548	38548	38548	38548	
5°	25080	24822	24755	24927	24951	1831
15°	2178	2219	2221	2182	2152	747
25°	256	290	326	289	260	135
35°	51	54	57	54	49	34
45°	24	24	26	24	24	19
55°	16	16	16	16	16	15
65°	10	10	10	10	10	10
75°	5	5	5	5	6	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°	38547.7	38547.7	38547.7	38547.7	38547.7
2.5°	34771.6	34801.0	34812.4	34846.7	34973.9
5°	25080.0	24822.2	24755.3	24926.6	24951.1
7.5°	14856.4	14908.6	15099.6	15142.0	14988.6
10°	8152.8	8219.7	8209.9	8268.6	8335.5
12.5°	4169.4	4117.2	4100.9	4167.8	4074.7
15°	2178.5	2219.3	2221.0	2181.8	2152.4
17.5°	1171.7	1219.0	1297.3	1233.7	1135.8
20°	691.9	734.3	801.2	749.0	706.6
22.5°	427.5	461.8	509.1	468.3	434.1
25°	256.2	290.5	326.4	288.8	259.5
27.5°	151.8	181.1	204.0	179.5	150.1
30°	97.9	114.2	128.9	112.6	99.5
32.5°	68.5	75.1	81.6	75.1	68.5
35°	50.6	53.9	57.1	53.9	49.0
37.5°	39.2	42.4	44.1	40.8	37.5
40°	32.6	34.3	35.9	34.3	32.6
42.5°	27.7	29.4	29.4	29.4	27.7
45°	24.5	24.5	26.1	24.5	24.5
47.5°	21.2	21.2	22.8	21.2	21.2
50°	19.6	19.6	19.6	19.6	19.6
52.5°	18.0	18.0	18.0	18.0	18.0
55°	16.3	16.3	16.3	16.3	16.3
57.5°	14.7	14.7	14.7	14.7	14.7
60°	13.1	13.1	13.1	13.1	13.1
62.5°	11.4	11.4	11.4	11.4	11.4
65°	9.8	9.8	9.8	9.8	9.8
67.5°	9.8	9.8	9.8	9.8	9.8
70°	8.2	8.2	8.2	8.2	8.2
72.5°	6.5	6.5	6.5	6.5	6.5
75°	4.9	4.9	4.9	4.9	6.5
77.5°	4.9	4.9	4.9	4.9	4.9
80°	3.3	3.3	3.3	3.3	3.3
82.5°	3.3	3.3	3.3	3.3	3.3
85°	1.6	1.6	1.6	1.6	1.6
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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