

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: P790631

Luminaire Tested: LER6D25D010-EC6DR1515309035-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790631
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-EC6DR1515309035-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2825.2 lumens
Efficiency: N/A
Efficacy: 112.6 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

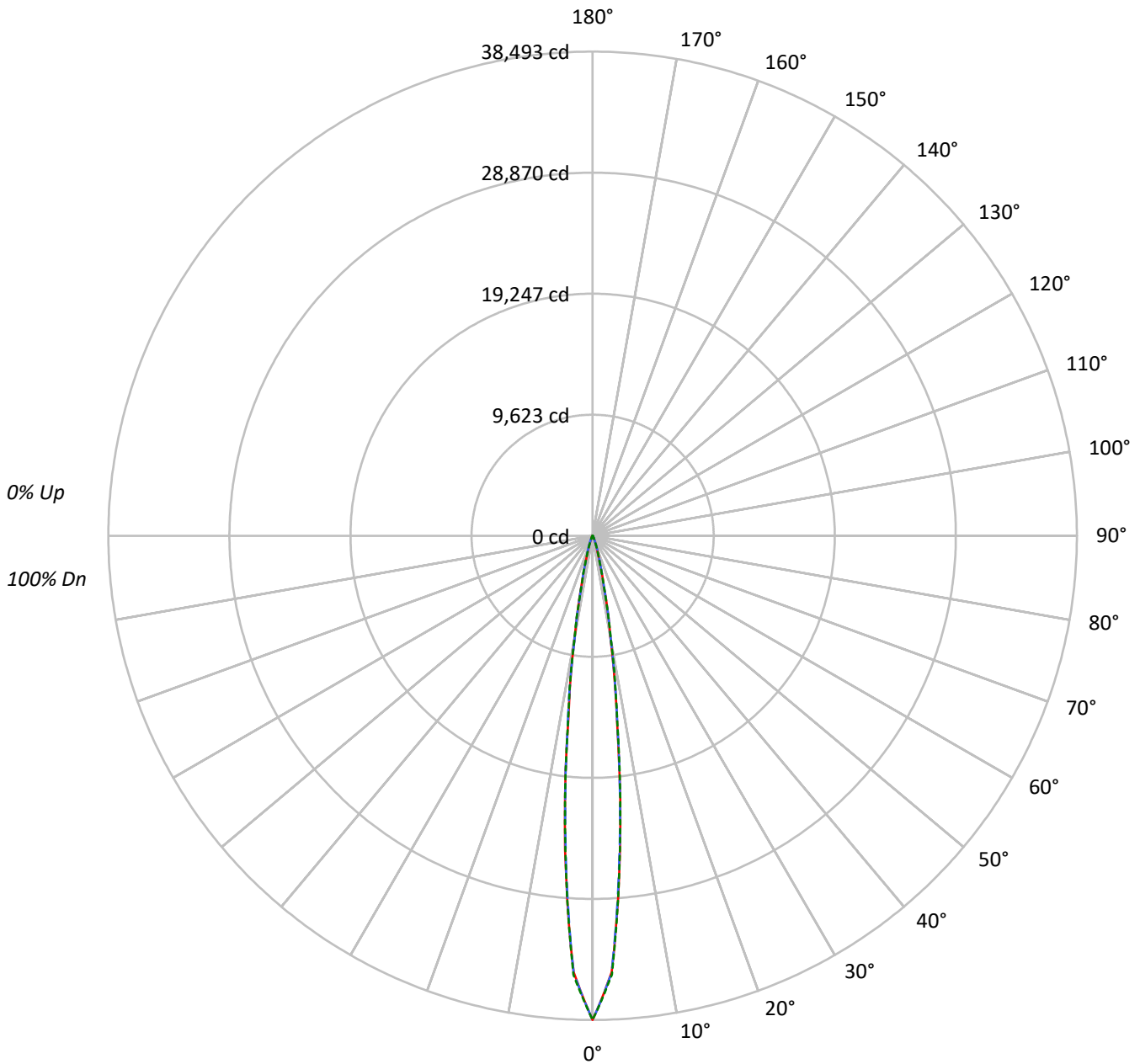
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	4331230	4331230	4331230
5°	2545235	2512287	2532155
10°	759636	764954	776664
15°	188948	192631	186690
20°	56531	65466	57734
25°	19927	25388	20184
30°	7323	9637	7443
35°	3667	4139	3551
40°	2315	2542	2315
45°	1708	1827	1708
50°	1363	1363	1363
55°	1135	1135	1135
60°	913	913	913
65°	699	699	699
70°	592	592	592
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°	1832.3	64.9
10°-20°	753.7	26.7
20°-30°	149.7	5.3
30°-40°	37.4	1.3
40°-50°	19.6	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°	2735.7	96.8
0°-40°	2773.1	98.2
0°-60°	2807.3	99.4
0°-90°	2825.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2825.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	38493	38493	38493	38493	38493	
5°	25044	24787	24720	24891	24916	1829
15°	2175	2216	2218	2179	2149	746
25°	256	290	326	288	259	134
35°	50	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°	38493.0	38493.0	38493.0	38493.0	38493.0
2.5°	34722.3	34751.6	34763.0	34797.2	34924.4
5°	25044.4	24787.0	24720.2	24891.3	24915.7
7.5°	14835.4	14887.5	15078.2	15120.5	14967.3
10°	8141.2	8208.0	8198.2	8256.9	8323.7
12.5°	4163.5	4111.3	4095.0	4161.9	4069.0
15°	2175.4	2216.2	2217.8	2178.7	2149.4
17.5°	1170.0	1217.3	1295.5	1231.9	1134.2
20°	690.9	733.3	800.1	748.0	705.6
22.5°	426.9	461.2	508.4	467.7	433.5
25°	255.8	290.1	325.9	288.4	259.1
27.5°	151.5	180.9	203.7	179.2	149.9
30°	97.8	114.1	128.7	112.4	99.4
32.5°	68.4	75.0	81.5	75.0	68.4
35°	50.5	53.8	57.0	53.8	48.9
37.5°	39.1	42.4	44.0	40.7	37.5
40°	32.6	34.2	35.8	34.2	32.6
42.5°	27.7	29.3	29.3	29.3	27.7
45°	24.4	24.4	26.1	24.4	24.4
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°	17.9	17.9	17.9	17.9	17.9
55°	16.3	16.3	16.3	16.3	16.3
57.5°	14.7	14.7	14.7	14.7	14.7
60°	13.0	13.0	13.0	13.0	13.0
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°	8.1	8.1	8.1	8.1	8.1
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



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Scaled Data Report





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

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