

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: P789447

Luminaire Tested: LER6D15D010-EC6DR1515309035-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789447
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: LER6D15D010-EC6DR1515309035-6LB DP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-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: 1489.0 lumens
Efficiency: N/A
Efficacy: 94.2 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

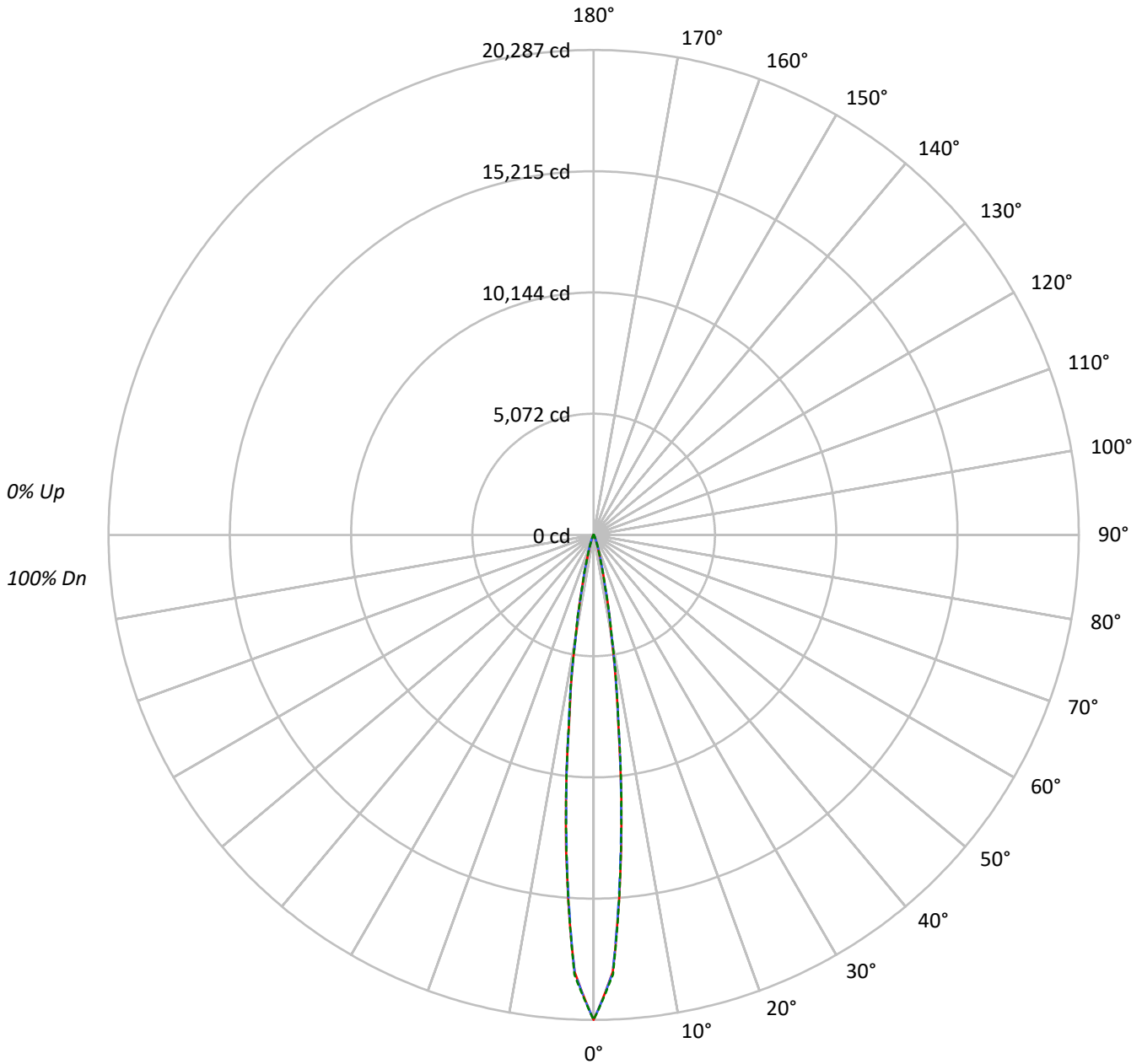
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	2282726	2282726	2282726
5°	1341441	1324072	1334550
10°	400355	403163	409331
15°	99581	101527	98391
20°	29792	34505	30430
25°	10501	13383	10641
30°	3856	5077	3924
35°	1932	2186	1874
40°	1221	1342	1221
45°	903	959	903
50°	716	716	716
55°	599	599	599
60°	484	484	484
65°	371	371	371
70°	314	314	314
75°	197	197	257
80°	134	134	134
85°	75	75	75

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 959 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	965.7	64.9
10°-20°	397.2	26.7
20°-30°	78.9	5.3
30°-40°	19.7	1.3
40°-50°	10.4	0.7
50°-60°	7.7	0.5
60°-70°	5.4	0.4
70°-80°	3.1	0.2
80°-90°	0.9	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°	1441.8	96.8
0°-40°	1461.5	98.2
0°-60°	1479.6	99.4
0°-90°	1489.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1489.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20287	20287	20287	20287	20287	
5°	13199	13064	13028	13119	13132	964
15°	1146	1168	1169	1148	1133	393
25°	135	153	172	152	137	71
35°	27	28	30	28	26	18
45°	13	13	14	13	13	10
55°	9	9	9	9	9	8
65°	5	5	5	5	5	5
75°	3	3	3	3	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20287.3	20287.3	20287.3	20287.3	20287.3
2.5°	18300.0	18315.5	18321.5	18339.5	18406.5
5°	13199.4	13063.7	13028.5	13118.7	13131.6
7.5°	7818.8	7846.3	7946.8	7969.1	7888.4
10°	4290.7	4325.9	4320.8	4351.7	4386.9
12.5°	2194.3	2166.8	2158.2	2193.5	2144.5
15°	1146.5	1168.0	1168.9	1148.3	1132.8
17.5°	616.6	641.5	682.8	649.3	597.7
20°	364.1	386.5	421.7	394.2	371.9
22.5°	225.0	243.0	268.0	246.5	228.4
25°	134.8	152.9	171.8	152.0	136.6
27.5°	79.9	95.3	107.4	94.5	79.0
30°	51.5	60.1	67.8	59.3	52.4
32.5°	36.1	39.5	42.9	39.5	36.1
35°	26.6	28.3	30.1	28.3	25.8
37.5°	20.6	22.3	23.2	21.5	19.8
40°	17.2	18.0	18.9	18.0	17.2
42.5°	14.6	15.5	15.5	15.5	14.6
45°	12.9	12.9	13.7	12.9	12.9
47.5°	11.2	11.2	12.0	11.2	11.2
50°	10.3	10.3	10.3	10.3	10.3
52.5°	9.4	9.4	9.4	9.4	9.4
55°	8.6	8.6	8.6	8.6	8.6
57.5°	7.7	7.7	7.7	7.7	7.7
60°	6.9	6.9	6.9	6.9	6.9
62.5°	6.0	6.0	6.0	6.0	6.0
65°	5.2	5.2	5.2	5.2	5.2
67.5°	5.2	5.2	5.2	5.2	5.2
70°	4.3	4.3	4.3	4.3	4.3
72.5°	3.4	3.4	3.4	3.4	3.4
75°	2.6	2.6	2.6	2.6	3.4
77.5°	2.6	2.6	2.6	2.6	2.6
80°	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7
85°	0.9	0.9	0.9	0.9	0.9
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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