

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: P789453

Luminaire Tested: LER6D15D010-EC6DR1515309040-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789453
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-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: 1429.9 lumens
Efficiency: N/A
Efficacy: 90.5 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

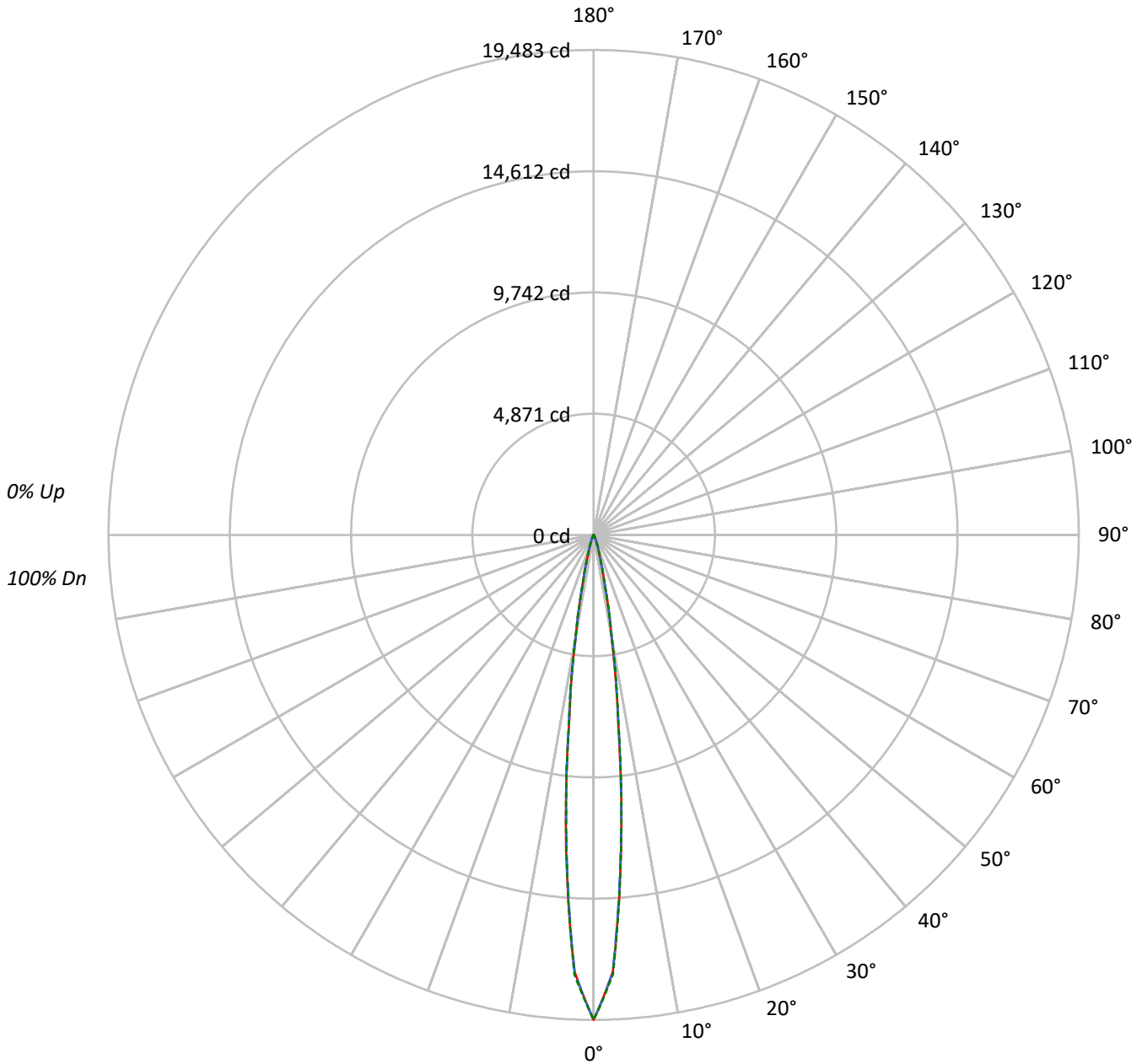
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	99	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°	2192237	2192237	2192237
5°	1288258	1271581	1281642
10°	384483	387180	393105
15°	95638	97497	94492
20°	28613	33138	29219
25°	10088	12854	10213
30°	3707	4882	3767
35°	1859	2099	1794
40°	1172	1285	1172
45°	868	924	868
50°	688	688	688
55°	571	571	571
60°	463	463	463
65°	350	350	350
70°	300	300	300
75°	189	189	249
80°	126	126	126
85°	66	66	66

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 924 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	927.4	64.9
10°-20°	381.5	26.7
20°-30°	75.8	5.3
30°-40°	18.9	1.3
40°-50°	9.9	0.7
50°-60°	7.4	0.5
60°-70°	5.2	0.4
70°-80°	3.0	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°	1384.7	96.8
0°-40°	1403.6	98.2
0°-60°	1420.9	99.4
0°-90°	1429.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1429.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19483	19483	19483	19483	19483	
5°	12676	12546	12512	12599	12611	926
15°	1101	1122	1122	1103	1088	378
25°	130	147	165	146	131	68
35°	26	27	29	27	25	17
45°	12	12	13	12	12	10
55°	8	8	8	8	8	7
65°	5	5	5	5	5	5
75°	2	2	2	2	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°	19483.1	19483.1	19483.1	19483.1	19483.1
2.5°	17574.5	17589.4	17595.1	17612.5	17676.8
5°	12676.1	12545.8	12512.0	12598.6	12611.0
7.5°	7508.8	7535.2	7631.7	7653.2	7575.6
10°	4120.6	4154.4	4149.5	4179.2	4213.0
12.5°	2107.3	2080.9	2072.7	2106.5	2059.5
15°	1101.1	1121.7	1122.5	1102.7	1087.9
17.5°	592.2	616.1	655.7	623.5	574.1
20°	349.7	371.2	405.0	378.6	357.1
22.5°	216.1	233.4	257.3	236.7	219.4
25°	129.5	146.8	165.0	146.0	131.1
27.5°	76.7	91.6	103.1	90.7	75.9
30°	49.5	57.7	65.2	56.9	50.3
32.5°	34.6	37.9	41.2	37.9	34.6
35°	25.6	27.2	28.9	27.2	24.7
37.5°	19.8	21.4	22.3	20.6	19.0
40°	16.5	17.3	18.1	17.3	16.5
42.5°	14.0	14.8	14.8	14.8	14.0
45°	12.4	12.4	13.2	12.4	12.4
47.5°	10.7	10.7	11.5	10.7	10.7
50°	9.9	9.9	9.9	9.9	9.9
52.5°	9.1	9.1	9.1	9.1	9.1
55°	8.2	8.2	8.2	8.2	8.2
57.5°	7.4	7.4	7.4	7.4	7.4
60°	6.6	6.6	6.6	6.6	6.6
62.5°	5.8	5.8	5.8	5.8	5.8
65°	4.9	4.9	4.9	4.9	4.9
67.5°	4.9	4.9	4.9	4.9	4.9
70°	4.1	4.1	4.1	4.1	4.1
72.5°	3.3	3.3	3.3	3.3	3.3
75°	2.5	2.5	2.5	2.5	3.3
77.5°	2.5	2.5	2.5	2.5	2.5
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6
85°	0.8	0.8	0.8	0.8	0.8
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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