

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: P789430

Luminaire Tested: LER6D15D010-EC6DR1515309027-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789430
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-EC6DR1515309027-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1276.5 lumens
Efficiency: N/A
Efficacy: 80.8 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

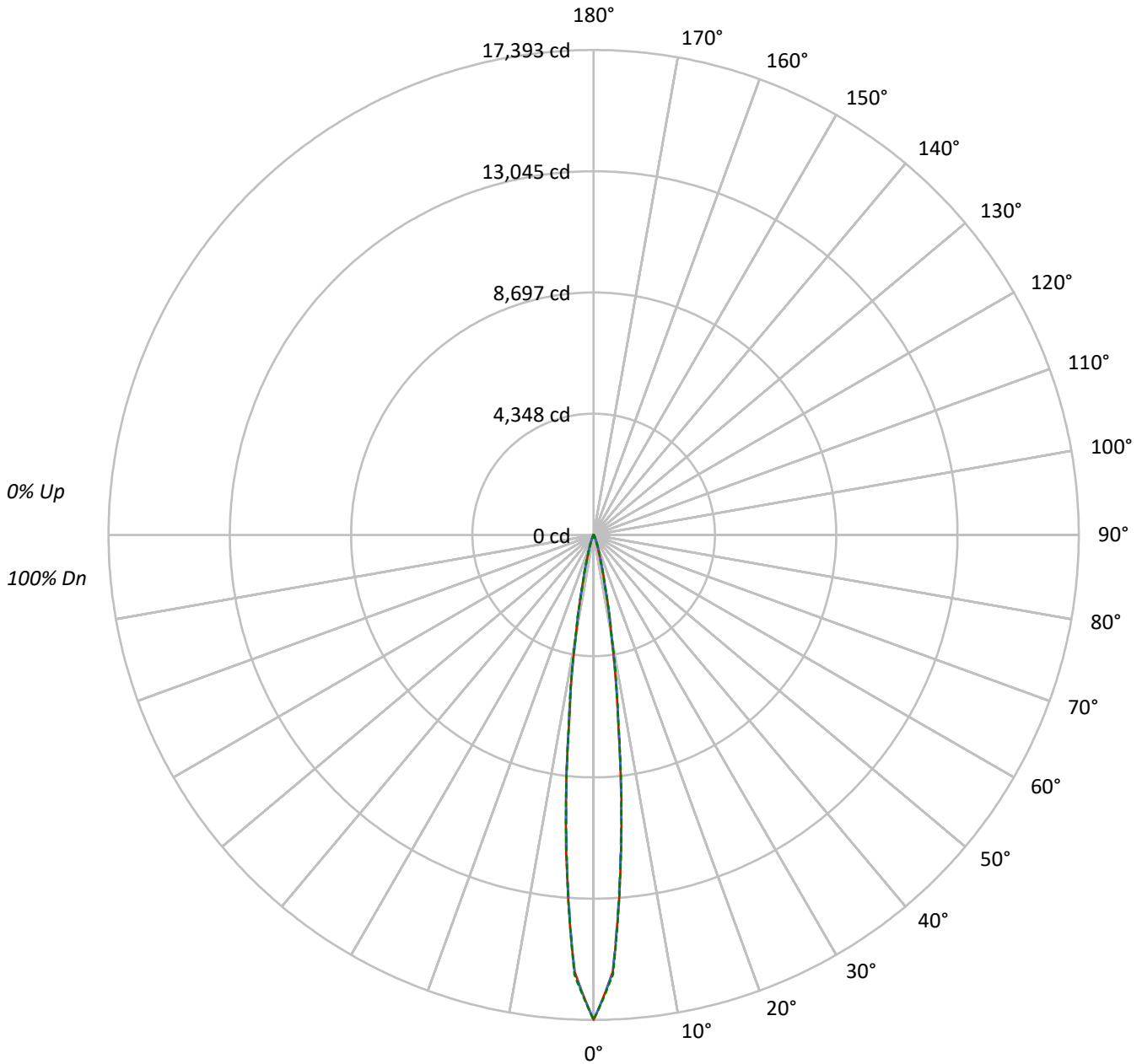
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1957026	1957026	1957026
5°	1150043	1135154	1144128
10°	343232	345639	350930
15°	85380	87039	84355
20°	25545	29579	26085
25°	9005	11475	9122
30°	3310	4358	3362
35°	1656	1874	1605
40°	1044	1150	1044
45°	770	826	770
50°	612	612	612
55°	515	515	515
60°	414	414	414
65°	314	314	314
70°	271	271	271
75°	166	166	219
80°	118	118	118
85°	58	58	58

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 826 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	827.9	64.9
10°-20°	340.6	26.7
20°-30°	67.6	5.3
30°-40°	16.9	1.3
40°-50°	8.9	0.7
50°-60°	6.6	0.5
60°-70°	4.7	0.4
70°-80°	2.6	0.2
80°-90°	0.8	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°	1236.1	96.8
0°-40°	1253.0	98.2
0°-60°	1268.5	99.4
0°-90°	1276.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1276.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17393	17393	17393	17393	17393	
5°	11316	11200	11170	11247	11258	826
15°	983	1001	1002	984	971	337
25°	116	131	147	130	117	61
35°	23	24	26	24	22	15
45°	11	11	12	11	11	9
55°	7	7	7	7	7	7
65°	4	4	4	4	4	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°	17392.7	17392.7	17392.7	17392.7	17392.7
2.5°	15688.9	15702.2	15707.3	15722.8	15780.2
5°	11316.1	11199.7	11169.6	11246.9	11257.9
7.5°	6703.2	6726.8	6812.9	6832.1	6762.8
10°	3678.5	3708.7	3704.3	3730.8	3761.0
12.5°	1881.2	1857.7	1850.3	1880.5	1838.5
15°	983.0	1001.4	1002.1	984.4	971.2
17.5°	528.7	550.0	585.4	556.6	512.5
20°	312.2	331.3	361.5	338.0	318.8
22.5°	192.9	208.4	229.7	211.3	195.9
25°	115.6	131.1	147.3	130.3	117.1
27.5°	68.5	81.7	92.0	81.0	67.7
30°	44.2	51.5	58.2	50.8	44.9
32.5°	30.9	33.9	36.8	33.9	30.9
35°	22.8	24.3	25.8	24.3	22.1
37.5°	17.7	19.1	19.9	18.4	16.9
40°	14.7	15.5	16.2	15.5	14.7
42.5°	12.5	13.3	13.3	13.3	12.5
45°	11.0	11.0	11.8	11.0	11.0
47.5°	9.6	9.6	10.3	9.6	9.6
50°	8.8	8.8	8.8	8.8	8.8
52.5°	8.1	8.1	8.1	8.1	8.1
55°	7.4	7.4	7.4	7.4	7.4
57.5°	6.6	6.6	6.6	6.6	6.6
60°	5.9	5.9	5.9	5.9	5.9
62.5°	5.2	5.2	5.2	5.2	5.2
65°	4.4	4.4	4.4	4.4	4.4
67.5°	4.4	4.4	4.4	4.4	4.4
70°	3.7	3.7	3.7	3.7	3.7
72.5°	2.9	2.9	2.9	2.9	2.9
75°	2.2	2.2	2.2	2.2	2.9
77.5°	2.2	2.2	2.2	2.2	2.2
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.7	0.7	0.7	0.7	0.7
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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