

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: P789438

Luminaire Tested: LER6D15D010-EC6DR1515309030-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789438
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-EC6DR1515309030-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 1318.1 lumens
Efficiency: N/A
Efficacy: 83.4 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

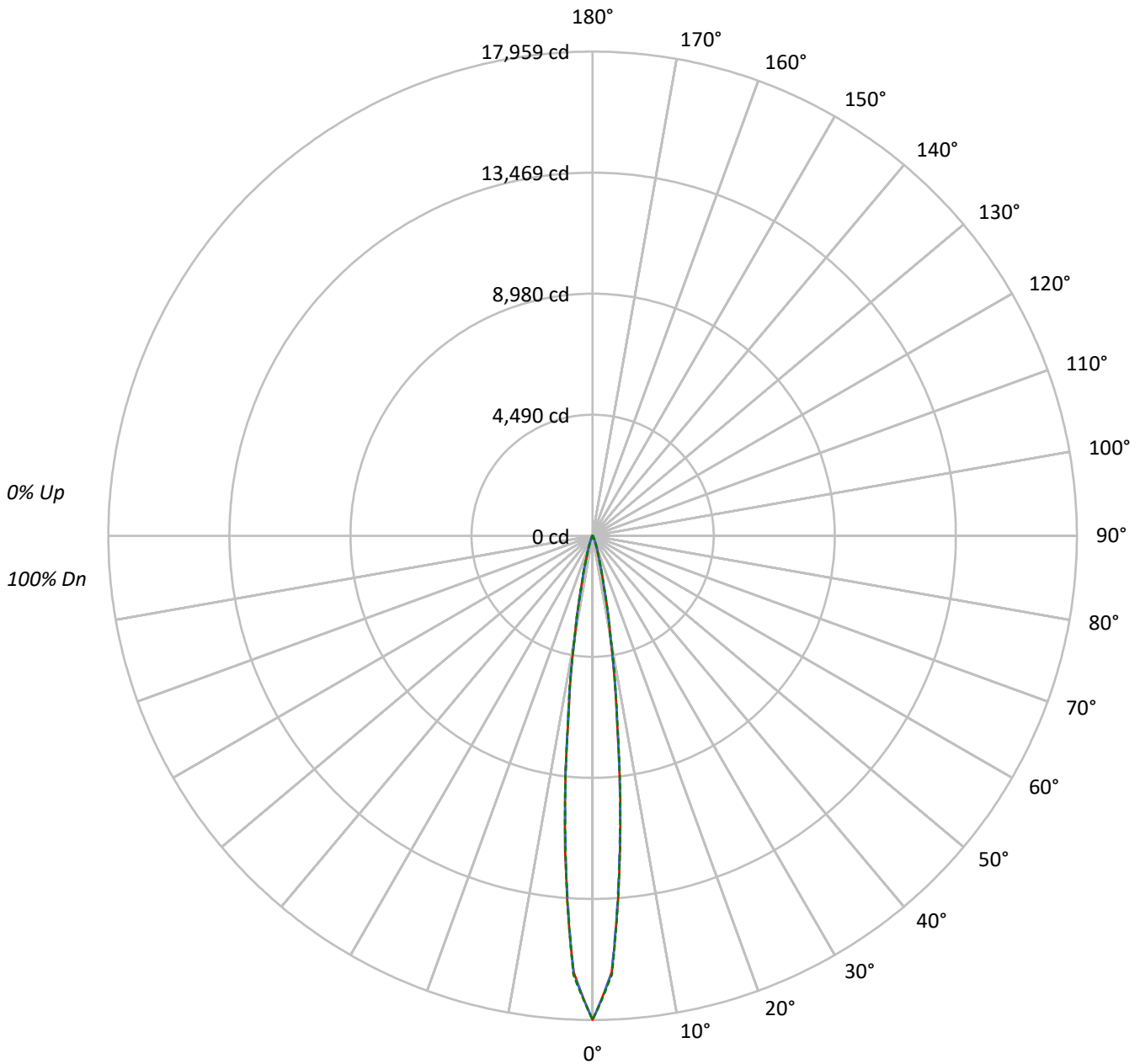
Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	2020746	2020746	2020746
5°	1187483	1172106	1181385
10°	354410	356892	362351
15°	88160	89871	87100
20°	26380	30544	26936
25°	9301	11849	9418
30°	3415	4500	3474
35°	1714	1932	1656
40°	1079	1186	1079
45°	798	854	798
50°	633	633	633
55°	529	529	529
60°	428	428	428
65°	328	328	328
70°	278	278	278
75°	174	174	227
80°	118	118	118
85°	66	66	66

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 854 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	854.9	64.9
10°-20°	351.6	26.7
20°-30°	69.8	5.3
30°-40°	17.4	1.3
40°-50°	9.2	0.7
50°-60°	6.8	0.5
60°-70°	4.8	0.4
70°-80°	2.7	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°	1276.4	96.8
0°-40°	1293.8	98.2
0°-60°	1309.8	99.4
0°-90°	1318.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1318.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17959	17959	17959	17959	17959	
5°	11684	11564	11533	11613	11624	853
15°	1015	1034	1035	1016	1003	348
25°	119	135	152	135	121	63
35°	24	25	27	25	23	16
45°	11	11	12	11	11	9
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°	17959.0	17959.0	17959.0	17959.0	17959.0
2.5°	16199.7	16213.4	16218.7	16234.7	16294.0
5°	11684.5	11564.4	11533.2	11613.0	11624.5
7.5°	6921.5	6945.8	7034.7	7054.5	6983.0
10°	3798.3	3829.5	3824.9	3852.3	3883.4
12.5°	1942.5	1918.1	1910.5	1941.7	1898.4
15°	1015.0	1034.0	1034.7	1016.5	1002.8
17.5°	545.9	567.9	604.4	574.8	529.1
20°	322.4	342.1	373.3	349.0	329.2
22.5°	199.2	215.2	237.2	218.2	202.2
25°	119.4	135.3	152.1	134.6	120.9
27.5°	70.7	84.4	95.0	83.6	69.9
30°	45.6	53.2	60.1	52.5	46.4
32.5°	31.9	35.0	38.0	35.0	31.9
35°	23.6	25.1	26.6	25.1	22.8
37.5°	18.2	19.8	20.5	19.0	17.5
40°	15.2	16.0	16.7	16.0	15.2
42.5°	12.9	13.7	13.7	13.7	12.9
45°	11.4	11.4	12.2	11.4	11.4
47.5°	9.9	9.9	10.6	9.9	9.9
50°	9.1	9.1	9.1	9.1	9.1
52.5°	8.4	8.4	8.4	8.4	8.4
55°	7.6	7.6	7.6	7.6	7.6
57.5°	6.8	6.8	6.8	6.8	6.8
60°	6.1	6.1	6.1	6.1	6.1
62.5°	5.3	5.3	5.3	5.3	5.3
65°	4.6	4.6	4.6	4.6	4.6
67.5°	4.6	4.6	4.6	4.6	4.6
70°	3.8	3.8	3.8	3.8	3.8
72.5°	3.0	3.0	3.0	3.0	3.0
75°	2.3	2.3	2.3	2.3	3.0
77.5°	2.3	2.3	2.3	2.3	2.3
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.8	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





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

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