

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: P790057

Luminaire Tested: LER6D20D010-EC6DR1515309035-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790057
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: LER6D20D010-EC6DR1515309035-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 2146.9 lumens
Efficiency: N/A
Efficacy: 92.9 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

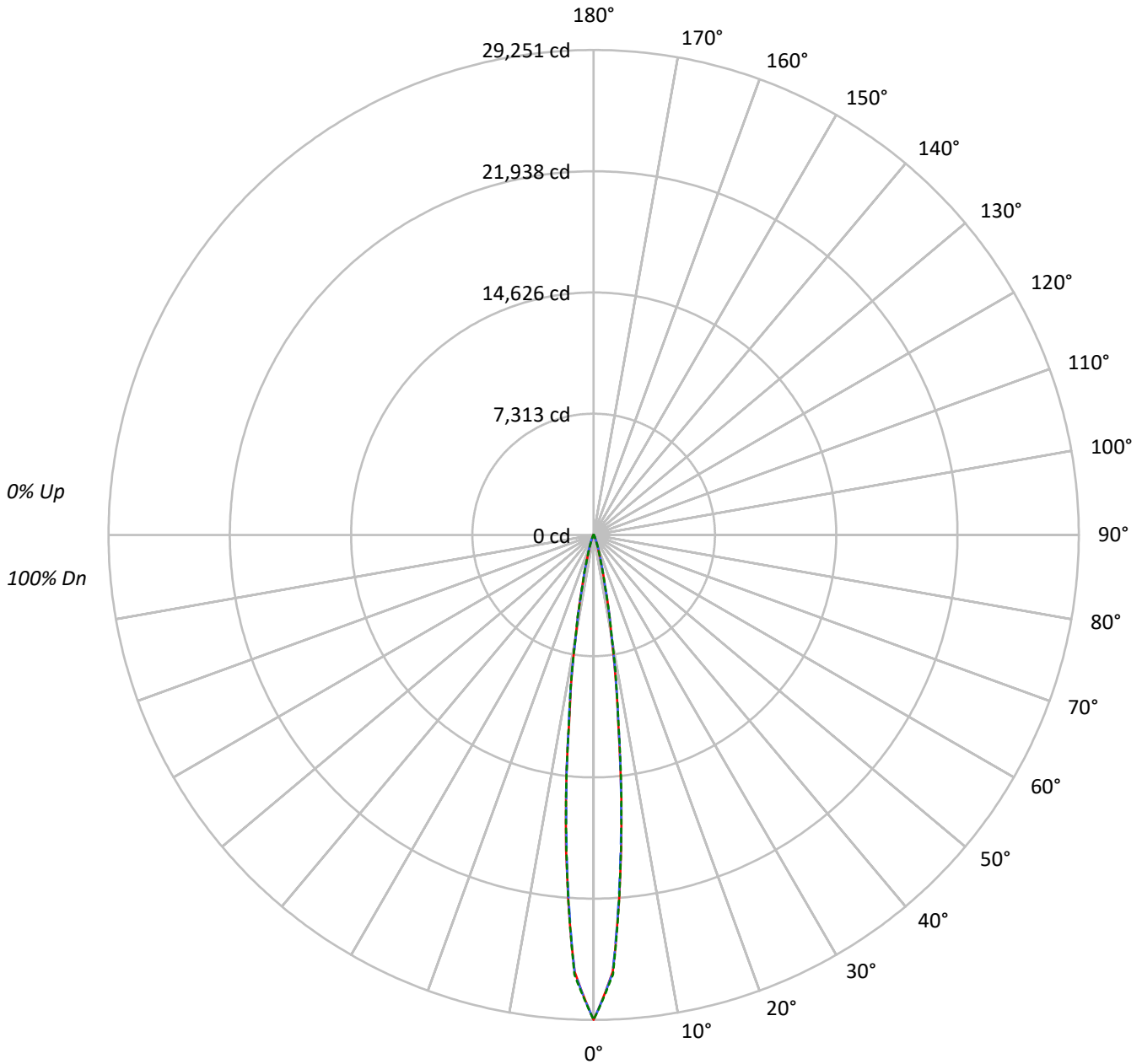
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3291276	3291276	3291276
5°	1934110	1909068	1924160
10°	577238	581288	590180
15°	143583	146380	141863
20°	42957	49748	43873
25°	15144	19296	15339
30°	5564	7323	5654
35°	2789	3144	2694
40°	1761	1932	1761
45°	1302	1386	1302
50°	1036	1036	1036
55°	863	863	863
60°	695	695	695
65°	528	528	528
70°	453	453	453
75°	280	280	378
80°	197	197	197
85°	100	100	100

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1386 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1392.4	64.9
10°-20°	572.7	26.7
20°-30°	113.8	5.3
30°-40°	28.4	1.3
40°-50°	14.9	0.7
50°-60°	11.1	0.5
60°-70°	7.8	0.4
70°-80°	4.5	0.2
80°-90°	1.3	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°	2078.9	96.8
0°-40°	2107.3	98.2
0°-60°	2133.3	99.4
0°-90°	2146.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2146.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	29251	29251	29251	29251	29251	
5°	19031	18835	18785	18915	18933	1390
15°	1653	1684	1685	1656	1633	567
25°	194	220	248	219	197	102
35°	38	41	43	41	37	26
45°	19	19	20	19	19	15
55°	12	12	12	12	12	11
65°	7	7	7	7	7	8
75°	4	4	4	4	5	4
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°	29250.6	29250.6	29250.6	29250.6	29250.6
2.5°	26385.2	26407.5	26416.1	26442.2	26538.7
5°	19031.1	18835.4	18784.7	18914.7	18933.2
7.5°	11273.3	11312.9	11457.8	11490.0	11373.6
10°	6186.4	6237.2	6229.8	6274.3	6325.1
12.5°	3163.8	3124.2	3111.8	3162.6	3092.0
15°	1653.1	1684.1	1685.3	1655.6	1633.3
17.5°	889.1	925.0	984.4	936.1	861.8
20°	525.0	557.2	608.0	568.4	536.2
22.5°	324.4	350.4	386.3	355.4	329.4
25°	194.4	220.4	247.7	219.2	196.9
27.5°	115.2	137.4	154.8	136.2	113.9
30°	74.3	86.7	97.8	85.4	75.5
32.5°	52.0	57.0	61.9	57.0	52.0
35°	38.4	40.9	43.3	40.9	37.1
37.5°	29.7	32.2	33.4	31.0	28.5
40°	24.8	26.0	27.2	26.0	24.8
42.5°	21.1	22.3	22.3	22.3	21.1
45°	18.6	18.6	19.8	18.6	18.6
47.5°	16.1	16.1	17.3	16.1	16.1
50°	14.9	14.9	14.9	14.9	14.9
52.5°	13.6	13.6	13.6	13.6	13.6
55°	12.4	12.4	12.4	12.4	12.4
57.5°	11.1	11.1	11.1	11.1	11.1
60°	9.9	9.9	9.9	9.9	9.9
62.5°	8.7	8.7	8.7	8.7	8.7
65°	7.4	7.4	7.4	7.4	7.4
67.5°	7.4	7.4	7.4	7.4	7.4
70°	6.2	6.2	6.2	6.2	6.2
72.5°	5.0	5.0	5.0	5.0	5.0
75°	3.7	3.7	3.7	3.7	5.0
77.5°	3.7	3.7	3.7	3.7	3.7
80°	2.5	2.5	2.5	2.5	2.5
82.5°	2.5	2.5	2.5	2.5	2.5
85°	1.2	1.2	1.2	1.2	1.2
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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