

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: P790049

Luminaire Tested: LER6D20D010-EC6DR1515309030-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790049
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-EC6DR1515309030-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2033.6 lumens
Efficiency: N/A
Efficacy: 88.0 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

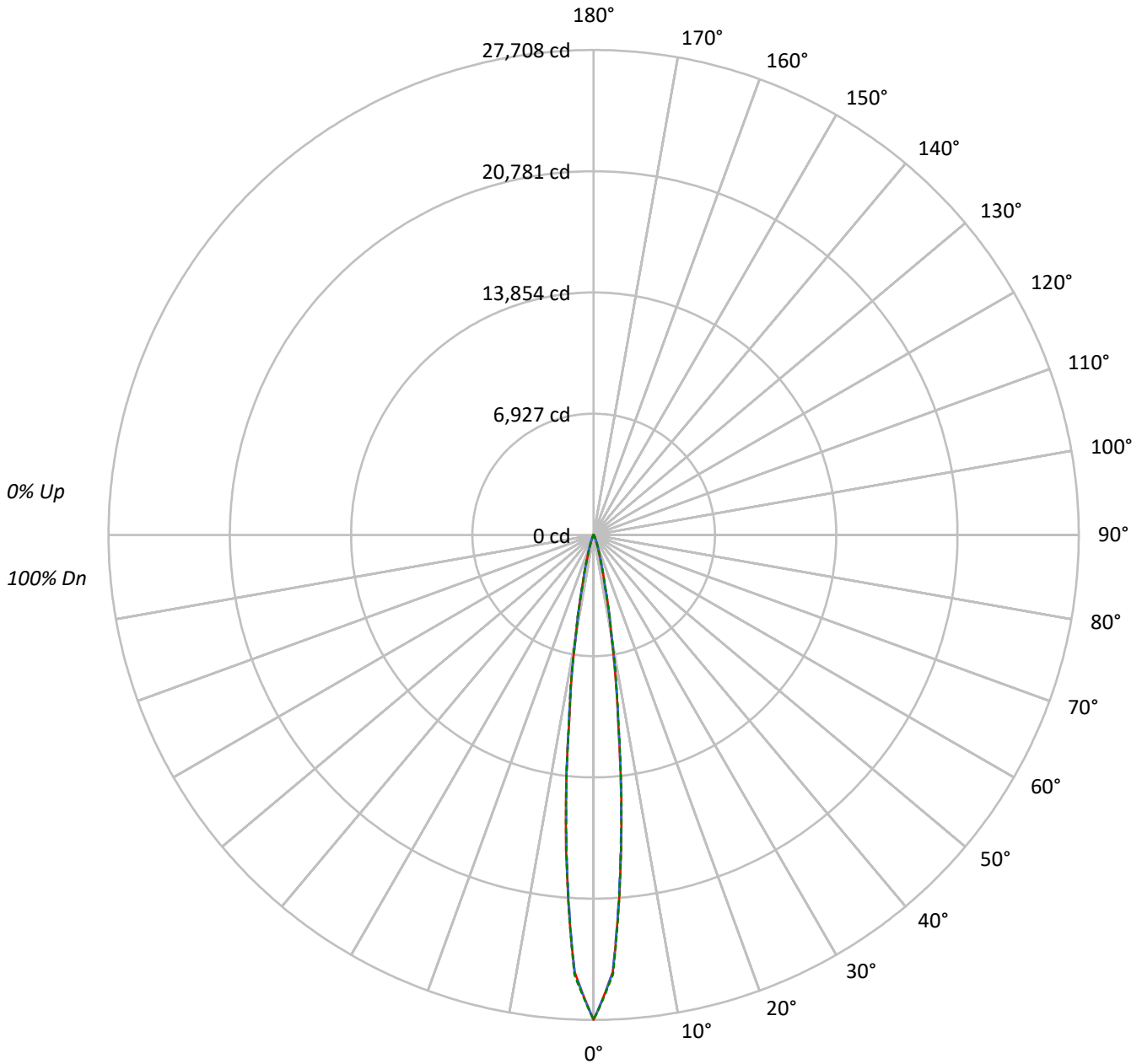
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	3117691	3117691	3117691
5°	1832105	1808385	1822684
10°	546801	550627	559052
15°	136009	138658	134376
20°	40690	47122	41558
25°	14349	18276	14528
30°	5272	6941	5361
35°	2643	2985	2556
40°	1669	1832	1669
45°	1232	1316	1232
50°	980	980	980
55°	814	814	814
60°	660	660	660
65°	500	500	500
70°	432	432	432
75°	265	265	355
80°	181	181	181
85°	100	100	100

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1316 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1319.0	64.9
10°-20°	542.5	26.7
20°-30°	107.8	5.3
30°-40°	26.9	1.3
40°-50°	14.1	0.7
50°-60°	10.5	0.5
60°-70°	7.4	0.4
70°-80°	4.2	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°	1969.2	96.8
0°-40°	1996.1	98.2
0°-60°	2020.8	99.4
0°-90°	2033.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2033.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27708	27708	27708	27708	27708	
5°	18027	17842	17794	17917	17935	1316
15°	1566	1595	1596	1568	1547	537
25°	184	209	235	208	186	97
35°	36	39	41	39	35	25
45°	18	18	19	18	18	14
55°	12	12	12	12	12	10
65°	7	7	7	7	7	7
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°	27707.9	27707.9	27707.9	27707.9	27707.9
2.5°	24993.7	25014.8	25023.0	25047.6	25139.1
5°	18027.4	17842.1	17794.0	17917.1	17934.7
7.5°	10678.7	10716.3	10853.5	10884.0	10773.7
10°	5860.2	5908.3	5901.2	5943.4	5991.5
12.5°	2996.9	2959.4	2947.7	2995.8	2928.9
15°	1565.9	1595.2	1596.4	1568.3	1547.1
17.5°	842.2	876.2	932.5	886.8	816.4
20°	497.3	527.8	575.9	538.4	507.9
22.5°	307.3	332.0	366.0	336.6	312.0
25°	184.2	208.8	234.6	207.6	186.5
27.5°	109.1	130.2	146.6	129.0	107.9
30°	70.4	82.1	92.7	80.9	71.6
32.5°	49.3	54.0	58.6	54.0	49.3
35°	36.4	38.7	41.1	38.7	35.2
37.5°	28.2	30.5	31.7	29.3	27.0
40°	23.5	24.6	25.8	24.6	23.5
42.5°	19.9	21.1	21.1	21.1	19.9
45°	17.6	17.6	18.8	17.6	17.6
47.5°	15.2	15.2	16.4	15.2	15.2
50°	14.1	14.1	14.1	14.1	14.1
52.5°	12.9	12.9	12.9	12.9	12.9
55°	11.7	11.7	11.7	11.7	11.7
57.5°	10.6	10.6	10.6	10.6	10.6
60°	9.4	9.4	9.4	9.4	9.4
62.5°	8.2	8.2	8.2	8.2	8.2
65°	7.0	7.0	7.0	7.0	7.0
67.5°	7.0	7.0	7.0	7.0	7.0
70°	5.9	5.9	5.9	5.9	5.9
72.5°	4.7	4.7	4.7	4.7	4.7
75°	3.5	3.5	3.5	3.5	4.7
77.5°	3.5	3.5	3.5	3.5	3.5
80°	2.3	2.3	2.3	2.3	2.3
82.5°	2.3	2.3	2.3	2.3	2.3
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



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Scaled Data Report





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

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