

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: P790065

Luminaire Tested: LER6D20D010-EC6DR1515309040-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790065
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-EC6DR1515309040-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2206.2 lumens
Efficiency: N/A
Efficacy: 95.5 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

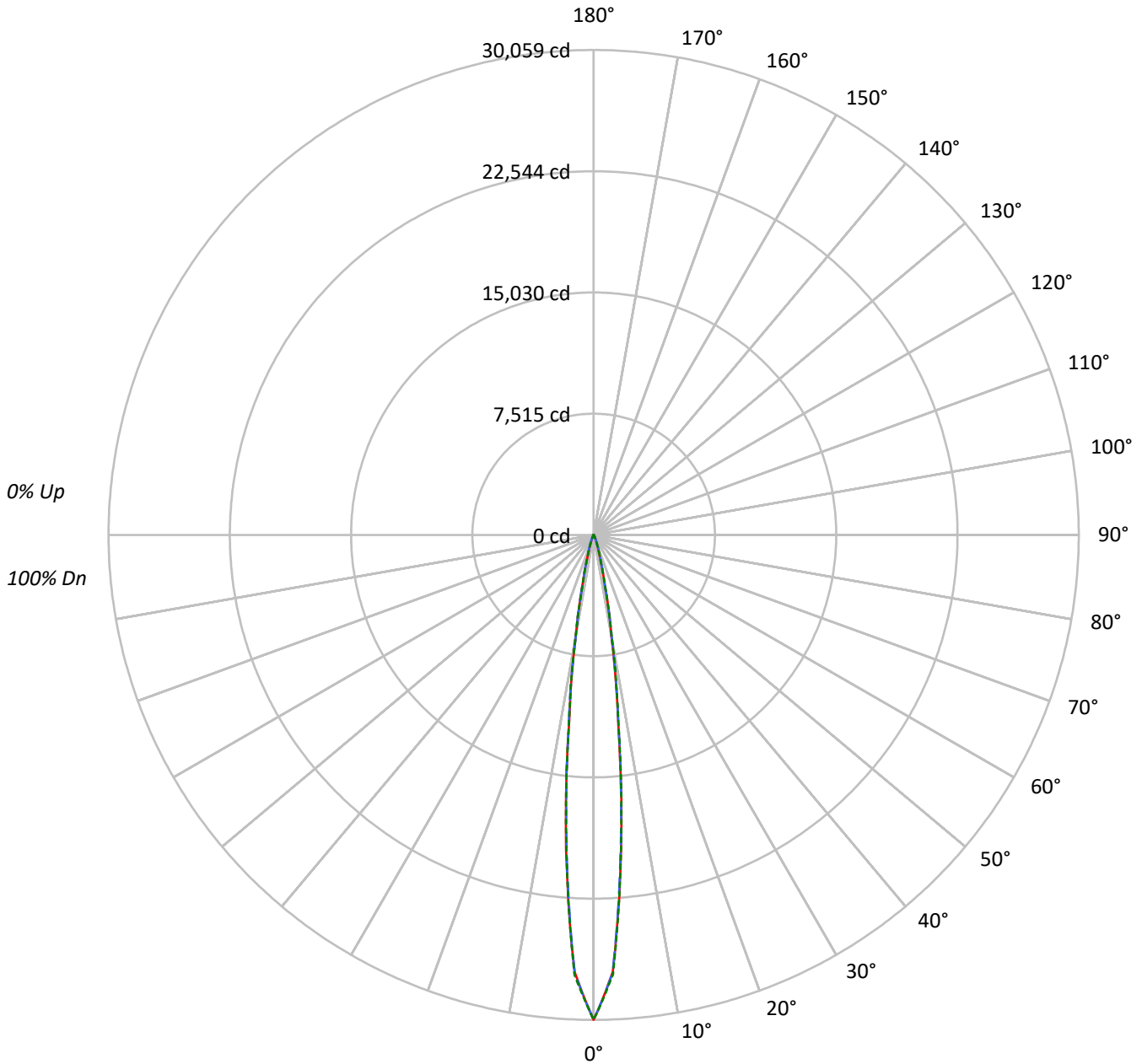
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	3382271	3382271	3382271
5°	1987587	1961844	1977363
10°	593203	597355	606499
15°	147552	150427	145781
20°	44143	51123	45084
25°	15565	19826	15759
30°	5721	7526	5811
35°	2861	3232	2774
40°	1811	1988	1811
45°	1337	1428	1337
50°	1064	1064	1064
55°	884	884	884
60°	716	716	716
65°	542	542	542
70°	468	468	468
75°	287	287	385
80°	197	197	197
85°	108	108	108

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1428 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1430.9	64.9
10°-20°	588.6	26.7
20°-30°	116.9	5.3
30°-40°	29.2	1.3
40°-50°	15.3	0.7
50°-60°	11.4	0.5
60°-70°	8.0	0.4
70°-80°	4.6	0.2
80°-90°	1.4	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°	2136.3	96.8
0°-40°	2165.5	98.2
0°-60°	2192.2	99.4
0°-90°	2206.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2206.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	30059	30059	30059	30059	30059	
5°	19557	19356	19304	19438	19457	1428
15°	1699	1731	1732	1701	1678	582
25°	200	226	254	225	202	105
35°	39	42	44	42	38	27
45°	19	19	20	19	19	15
55°	13	13	13	13	13	11
65°	8	8	8	8	8	8
75°	4	4	4	4	5	5
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°	30059.3	30059.3	30059.3	30059.3	30059.3
2.5°	27114.7	27137.6	27146.6	27173.3	27272.5
5°	19557.3	19356.2	19304.0	19437.7	19456.7
7.5°	11585.0	11625.7	11774.6	11807.7	11688.0
10°	6357.5	6409.7	6402.0	6447.8	6500.0
12.5°	3251.3	3210.6	3197.8	3250.0	3177.5
15°	1698.8	1730.6	1731.9	1701.4	1678.4
17.5°	913.7	950.6	1011.6	962.0	885.7
20°	539.5	572.6	624.8	584.1	551.0
22.5°	333.4	360.1	397.0	365.2	338.5
25°	199.8	226.5	254.5	225.2	202.3
27.5°	118.3	141.2	159.1	140.0	117.1
30°	76.4	89.1	100.5	87.8	77.6
32.5°	53.4	58.5	63.6	58.5	53.4
35°	39.4	42.0	44.5	42.0	38.2
37.5°	30.5	33.1	34.4	31.8	29.3
40°	25.5	26.7	28.0	26.7	25.5
42.5°	21.6	22.9	22.9	22.9	21.6
45°	19.1	19.1	20.4	19.1	19.1
47.5°	16.5	16.5	17.8	16.5	16.5
50°	15.3	15.3	15.3	15.3	15.3
52.5°	14.0	14.0	14.0	14.0	14.0
55°	12.7	12.7	12.7	12.7	12.7
57.5°	11.5	11.5	11.5	11.5	11.5
60°	10.2	10.2	10.2	10.2	10.2
62.5°	8.9	8.9	8.9	8.9	8.9
65°	7.6	7.6	7.6	7.6	7.6
67.5°	7.6	7.6	7.6	7.6	7.6
70°	6.4	6.4	6.4	6.4	6.4
72.5°	5.1	5.1	5.1	5.1	5.1
75°	3.8	3.8	3.8	3.8	5.1
77.5°	3.8	3.8	3.8	3.8	3.8
80°	2.5	2.5	2.5	2.5	2.5
82.5°	2.5	2.5	2.5	2.5	2.5
85°	1.3	1.3	1.3	1.3	1.3
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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