

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: P792289

Luminaire Tested: LER6D40BD010-EC6DR3040509024-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792289
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D40BD010-EC6DR3040509024-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3933.3 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 35.2
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

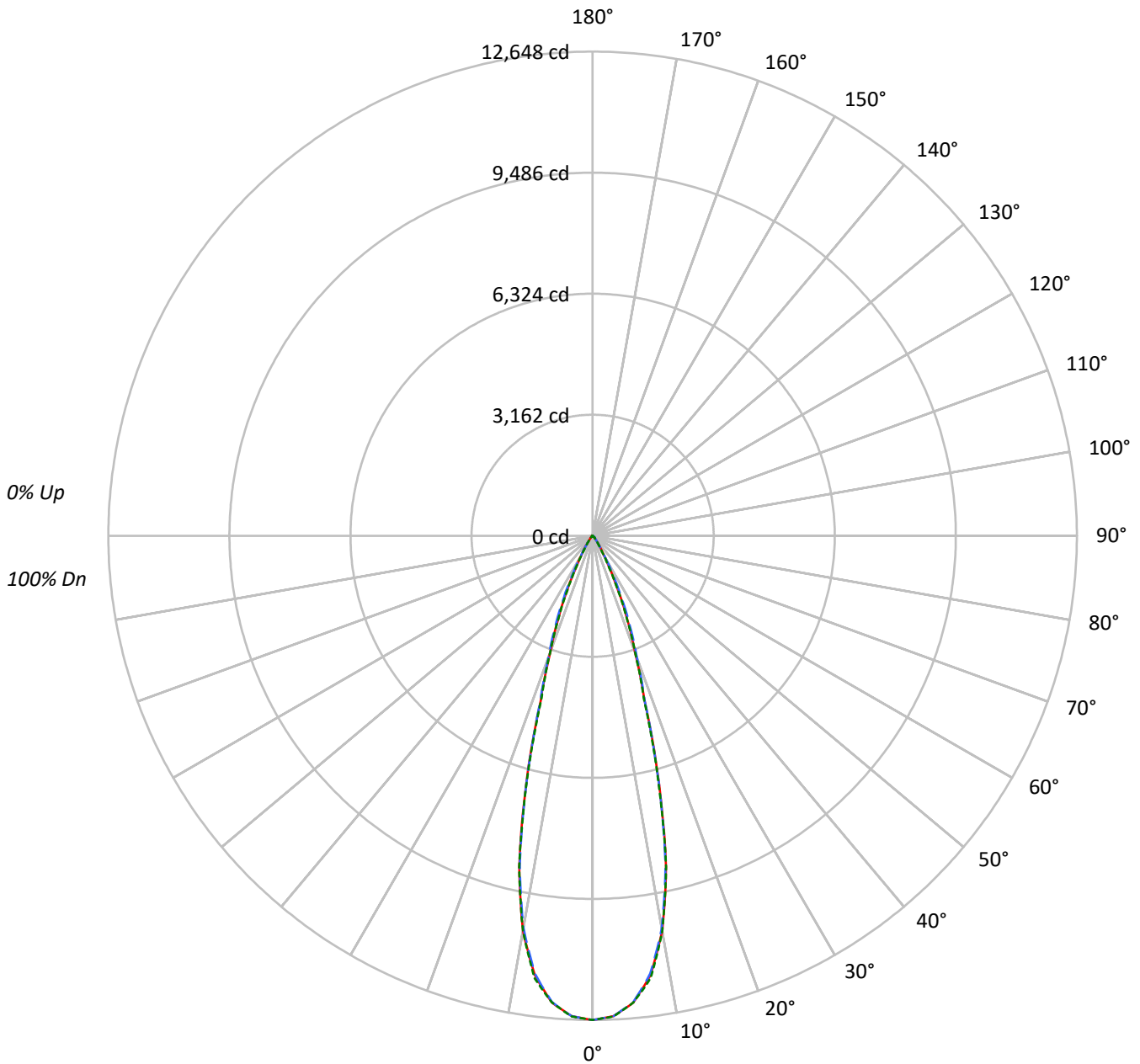


Downlight

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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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	968083	968083	968083
5°	940293	939194	940339
10°	814433	808689	814239
15°	531376	528523	525868
20°	264226	274139	263876
25°	133103	150096	130375
30°	53287	58069	46428
35°	24715	23669	19847
40°	10671	11851	10052
45°	7523	9342	7599
50°	2584	6799	2739
55°	1495	2816	1575
60°	1041	1240	1041
65°	670	670	670
70°	425	269	425
75°	0	177	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 9342 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1112.2	28.3
10°-20°	1791.1	45.5
20°-30°	774.0	19.7
30°-40°	176.4	4.5
40°-50°	60.6	1.5
50°-60°	14.8	0.4
60°-70°	3.8	0.1
70°-80°	0.4	0.0
80°-90°	0.0	0.0
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°	3677.3	93.5
0°-40°	3853.7	98.0
0°-60°	3929.1	99.9
0°-90°	3933.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3933.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12648	12648	12648	12648	12648	
5°	12238	12226	12223	12249	12238	1113
15°	6706	6625	6670	6648	6636	1796
25°	1576	1636	1777	1594	1544	754
35°	264	270	253	252	212	179
45°	70	86	86	86	70	49
55°	11	12	21	12	12	11
65°	4	4	4	4	4	4
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12647.5	12647.5	12647.5	12647.5	12647.5
2.5°	12563.7	12555.0	12560.0	12566.2	12568.6
5°	12237.7	12225.9	12223.4	12248.9	12238.3
7.5°	11580.1	11563.3	11537.9	11595.6	11649.6
10°	10478.5	10459.9	10404.6	10432.0	10476.0
12.5°	8852.3	8792.0	8790.8	8877.7	8865.9
15°	6705.6	6624.9	6669.6	6647.9	6636.1
17.5°	4509.3	4478.3	4537.9	4519.9	4442.3
20°	3243.8	3251.9	3365.5	3308.4	3239.5
22.5°	2367.1	2396.2	2531.0	2383.8	2329.8
25°	1576.0	1635.6	1777.2	1594.0	1543.7
27.5°	969.3	996.6	1140.1	956.9	929.6
30°	602.9	589.3	657.0	563.8	525.3
32.5°	395.5	378.2	399.9	358.9	327.9
35°	264.5	270.1	253.3	251.5	212.4
37.5°	165.2	190.0	167.7	178.8	136.6
40°	106.8	137.9	118.6	131.0	100.6
42.5°	87.6	106.2	97.5	103.7	89.4
45°	69.5	86.3	86.3	86.3	70.2
47.5°	38.5	57.7	73.9	59.0	41.0
50°	21.7	29.2	57.1	30.4	23.0
52.5°	14.9	16.8	39.1	17.4	15.5
55°	11.2	11.8	21.1	12.4	11.8
57.5°	8.7	9.3	11.2	9.3	8.7
60°	6.8	6.8	8.1	7.5	6.8
62.5°	5.0	5.0	5.6	5.0	5.0
65°	3.7	3.7	3.7	3.7	3.7
67.5°	1.9	2.5	2.5	2.5	2.5
70°	1.9	1.2	1.2	1.2	1.9
72.5°	1.2	0.6	0.6	0.6	0.6
75°	0.0	0.0	0.6	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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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(END OF REPORT)