

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: P792328

Luminaire Tested: LER6D40BD010-EC6DR3040509050-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P792328
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-EC6DR3040509050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4657.2 lumens
Efficiency: N/A
Efficacy: 132.3 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

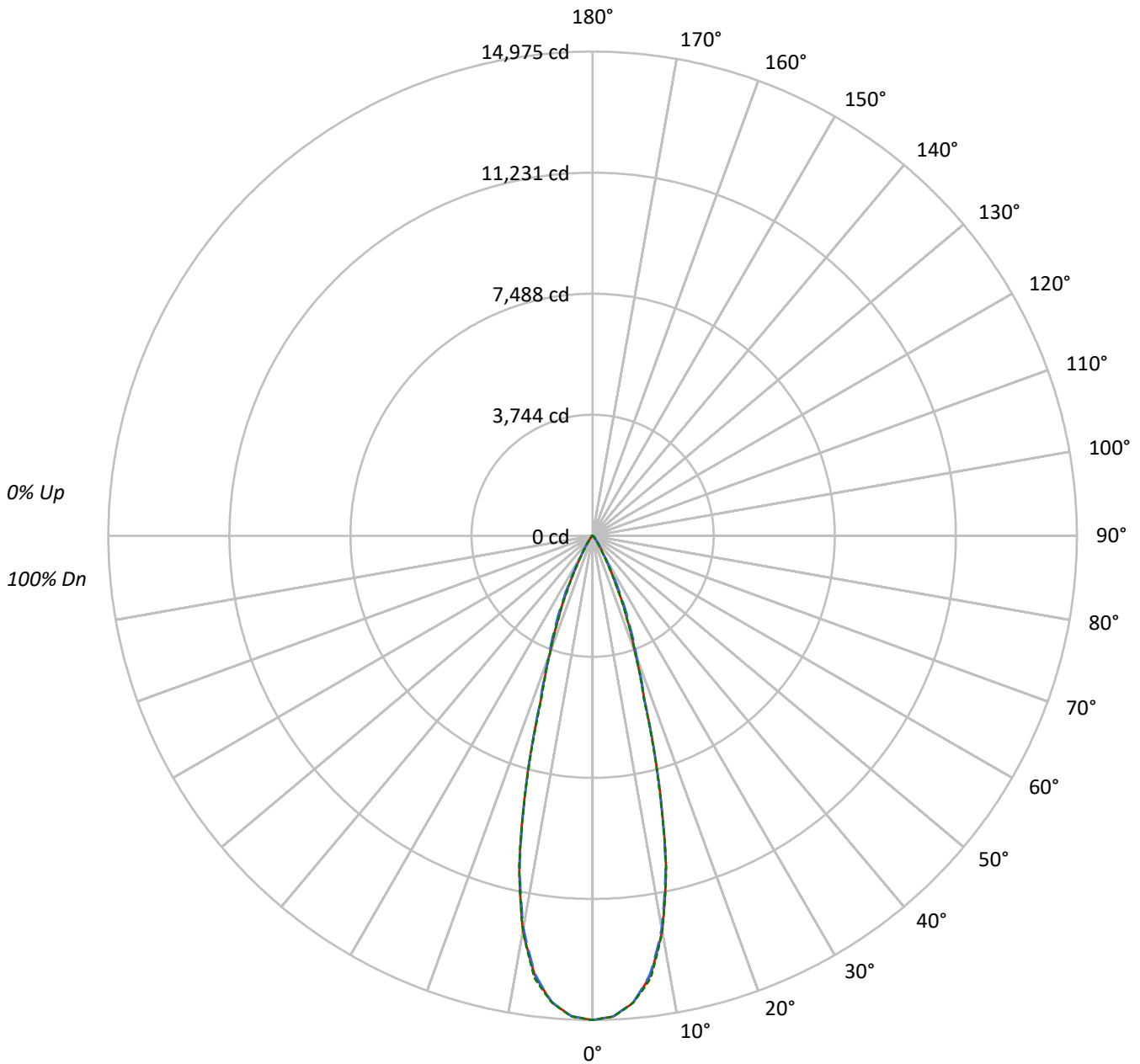


Downlight

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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°	1146260	1146260	1146260
5°	1113358	1112060	1113412
10°	964340	957539	964107
15°	629178	625802	622656
20°	312864	324601	312440
25°	157595	177721	154369
30°	63098	68754	54975
35°	29266	28033	23501
40°	12640	14029	11901
45°	8909	11063	8995
50°	3060	8050	3239
55°	1762	3336	1868
60°	1240	1470	1240
65°	797	797	797
70°	492	336	492
75°	0	207	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 11063 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1316.9	28.3
10°-20°	2120.8	45.5
20°-30°	916.5	19.7
30°-40°	208.9	4.5
40°-50°	71.7	1.5
50°-60°	17.5	0.4
60°-70°	4.5	0.1
70°-80°	0.5	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°	4354.1	93.5
0°-40°	4563.0	98.0
0°-60°	4652.2	99.9
0°-90°	4657.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4657.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14975	14975	14975	14975	14975	
5°	14490	14476	14473	14503	14491	1318
15°	7940	7844	7897	7872	7858	2126
25°	1866	1937	2104	1887	1828	893
35°	313	320	300	298	252	212
45°	82	102	102	102	83	58
55°	13	14	25	15	14	13
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°	14975.3	14975.3	14975.3	14975.3	14975.3
2.5°	14876.1	14865.8	14871.7	14879.0	14882.0
5°	14490.1	14476.1	14473.2	14503.3	14490.8
7.5°	13711.5	13691.6	13661.5	13729.8	13793.8
10°	12407.2	12385.1	12319.7	12352.0	12404.2
12.5°	10481.6	10410.2	10408.8	10511.7	10497.7
15°	7939.8	7844.3	7897.2	7871.5	7857.5
17.5°	5339.3	5302.5	5373.1	5351.8	5259.9
20°	3840.9	3850.4	3985.0	3917.4	3835.7
22.5°	2802.7	2837.3	2996.8	2822.6	2758.6
25°	1866.0	1936.6	2104.3	1887.4	1827.8
27.5°	1147.7	1180.1	1349.9	1133.0	1100.7
30°	713.9	697.7	777.9	667.6	622.0
32.5°	468.3	447.8	473.5	425.0	388.2
35°	313.2	319.8	300.0	297.8	251.5
37.5°	195.6	225.0	198.5	211.7	161.8
40°	126.5	163.2	140.4	155.1	119.1
42.5°	103.7	125.7	115.4	122.8	105.9
45°	82.3	102.2	102.2	102.2	83.1
47.5°	45.6	68.4	87.5	69.8	48.5
50°	25.7	34.6	67.6	36.0	27.2
52.5°	17.6	19.9	46.3	20.6	18.4
55°	13.2	14.0	25.0	14.7	14.0
57.5°	10.3	11.0	13.2	11.0	10.3
60°	8.1	8.1	9.6	8.8	8.1
62.5°	5.9	5.9	6.6	5.9	5.9
65°	4.4	4.4	4.4	4.4	4.4
67.5°	2.2	2.9	2.9	2.9	2.9
70°	2.2	1.5	1.5	1.5	2.2
72.5°	1.5	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.7	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)