

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: P793289

Luminaire Tested: LER6D50D010-EC6DR3040509050-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793289
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: LER6D50D010-EC6DR3040509050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 6290.8 lumens
Efficiency: N/A
Efficacy: 133.8 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): 47
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

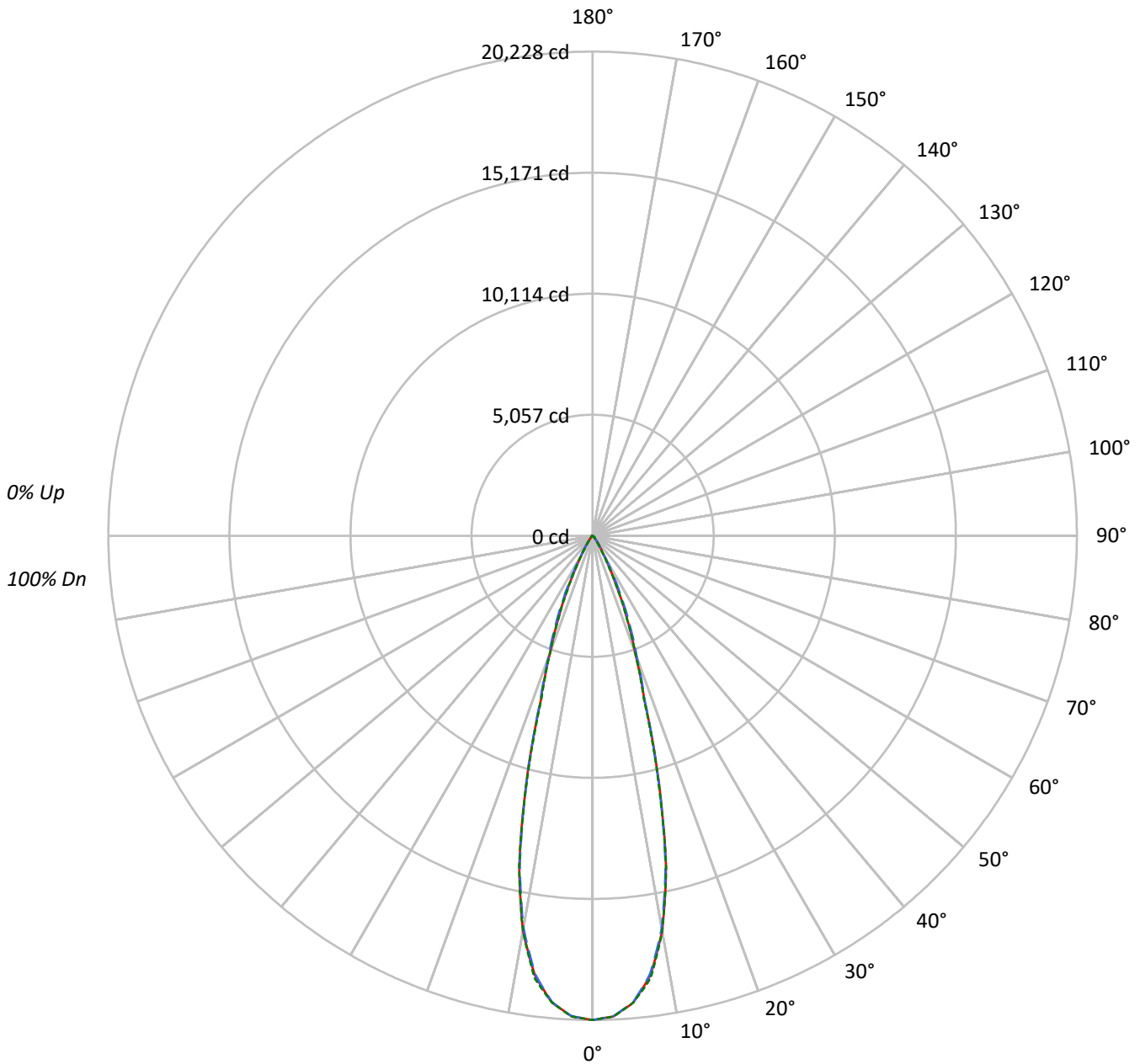


Downlight

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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					70					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								
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°	1548320	1548320	1548320
5°	1503876	1502116	1503945
10°	1302580	1293393	1302277
15°	849871	845307	841059
20°	422601	438460	422031
25°	212881	240050	208514
30°	85229	92866	74261
35°	39535	37863	31733
40°	17066	18955	16077
45°	12037	14938	12146
50°	4144	10884	4370
55°	2389	4511	2522
60°	1669	1975	1669
65°	1087	1087	1087
70°	671	448	671
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 14938 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1778.7	28.3
10°-20°	2864.7	45.5
20°-30°	1237.9	19.7
30°-40°	282.1	4.5
40°-50°	96.9	1.5
50°-60°	23.7	0.4
60°-70°	6.1	0.1
70°-80°	0.7	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°	5881.3	93.5
0°-40°	6163.5	98.0
0°-60°	6284.0	99.9
0°-90°	6290.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6290.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20228	20228	20228	20228	20228	
5°	19573	19554	19550	19590	19574	1780
15°	10725	10596	10667	10632	10614	2872
25°	2521	2616	2842	2549	2469	1207
35°	423	432	405	402	340	287
45°	111	138	138	138	112	79
55°	18	19	34	20	19	17
65°	6	6	6	6	6	6
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°	20228.0	20228.0	20228.0	20228.0	20228.0
2.5°	20093.9	20080.0	20088.0	20097.9	20101.9
5°	19572.6	19553.7	19549.7	19590.4	19573.5
7.5°	18520.8	18494.0	18453.3	18545.7	18632.1
10°	16759.0	16729.2	16640.8	16684.5	16755.1
12.5°	14158.0	14061.7	14059.7	14198.7	14179.9
15°	10724.8	10595.7	10667.2	10632.4	10613.6
17.5°	7212.1	7162.4	7257.8	7229.0	7104.8
20°	5188.1	5201.0	5382.8	5291.4	5181.1
22.5°	3785.8	3832.5	4048.0	3812.6	3726.2
25°	2520.6	2615.9	2842.3	2549.4	2468.9
27.5°	1550.3	1594.0	1823.4	1530.4	1486.7
30°	964.3	942.5	1050.7	901.8	840.2
32.5°	632.6	604.8	639.6	574.0	524.4
35°	423.1	432.0	405.2	402.2	339.6
37.5°	264.2	303.9	268.1	286.0	218.5
40°	170.8	220.5	189.7	209.5	160.9
42.5°	140.0	169.8	155.9	165.9	143.0
45°	111.2	138.0	138.0	138.0	112.2
47.5°	61.6	92.4	118.2	94.3	65.5
50°	34.8	46.7	91.4	48.7	36.7
52.5°	23.8	26.8	62.6	27.8	24.8
55°	17.9	18.9	33.8	19.9	18.9
57.5°	13.9	14.9	17.9	14.9	13.9
60°	10.9	10.9	12.9	11.9	10.9
62.5°	7.9	7.9	8.9	7.9	7.9
65°	6.0	6.0	6.0	6.0	6.0
67.5°	3.0	4.0	4.0	4.0	4.0
70°	3.0	2.0	2.0	2.0	3.0
72.5°	2.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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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