

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: P794247

Luminaire Tested: LER6D60D010-EC6DR3055659050-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794247
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: LER6D60D010-EC6DR3055659050-6LB DP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5996.8 lumens
Efficiency: N/A
Efficacy: 93.1 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): 64.4
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

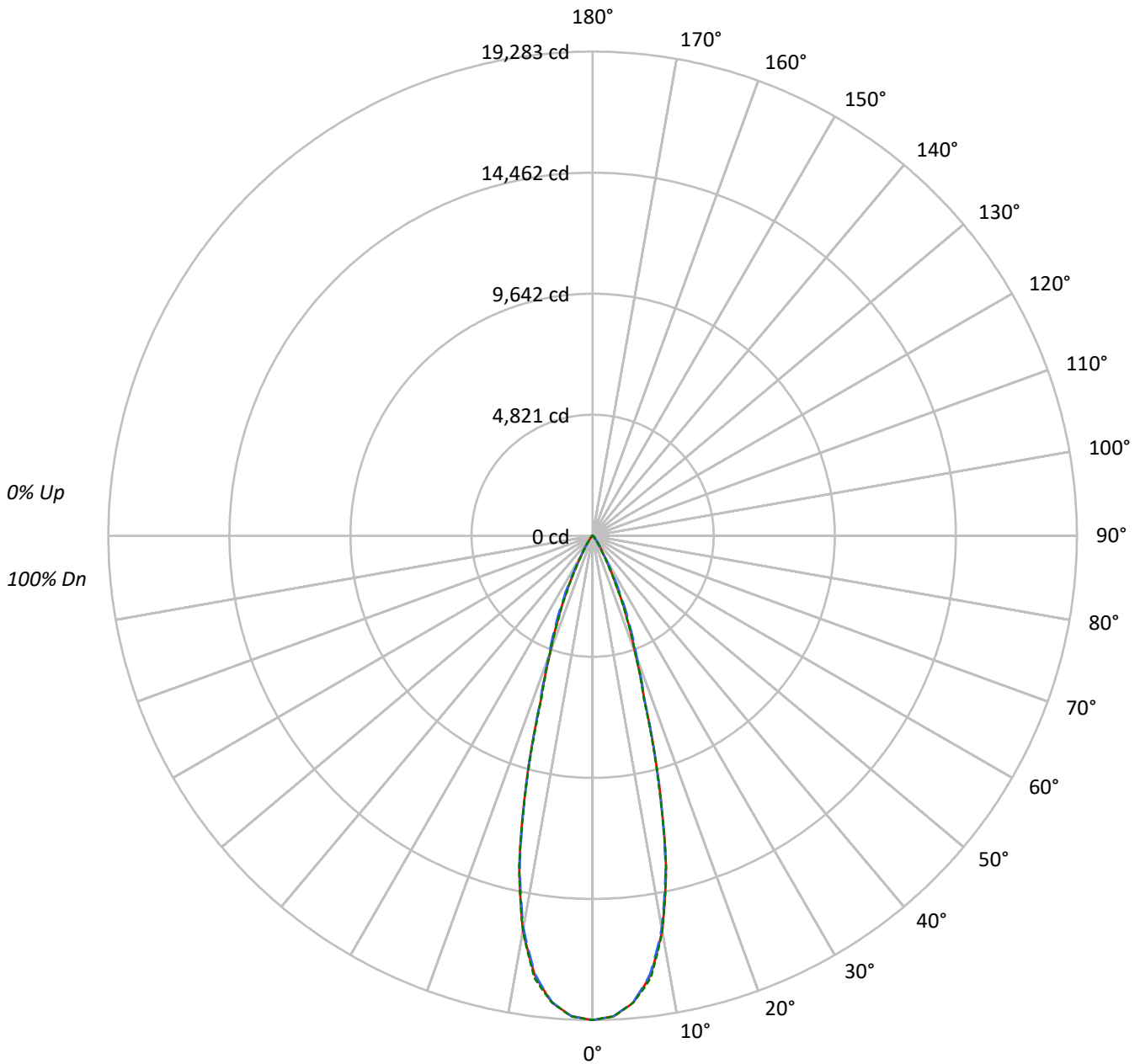


Downlight

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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																			
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°	1475971	1475971	1475971
5°	1433602	1431927	1433671
10°	1241714	1232955	1241419
15°	810154	805804	801755
20°	402856	417966	402310
25°	202932	228834	198768
30°	81252	88526	70787
35°	37685	36097	30257
40°	16267	18066	15328
45°	11474	14246	11583
50°	3942	10372	4168
55°	2269	4297	2402
60°	1592	1883	1592
65°	1032	1032	1032
70°	627	425	627
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 14246 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1695.6	28.3
10°-20°	2730.8	45.5
20°-30°	1180.1	19.7
30°-40°	269.0	4.5
40°-50°	92.3	1.5
50°-60°	22.6	0.4
60°-70°	5.9	0.1
70°-80°	0.6	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°	5606.5	93.5
0°-40°	5875.5	98.0
0°-60°	5990.4	99.9
0°-90°	5996.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5996.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19283	19283	19283	19283	19283	
5°	18658	18640	18636	18675	18659	1697
15°	10224	10101	10169	10136	10118	2738
25°	2403	2494	2710	2430	2354	1150
35°	403	412	386	383	324	274
45°	106	132	132	132	107	75
55°	17	18	32	19	18	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°	19282.8	19282.8	19282.8	19282.8	19282.8
2.5°	19155.0	19141.7	19149.3	19158.8	19162.6
5°	18658.0	18640.0	18636.2	18675.0	18658.9
7.5°	17655.4	17629.8	17591.0	17679.1	17761.4
10°	15975.9	15947.5	15863.2	15904.9	15972.1
12.5°	13496.4	13404.6	13402.7	13535.3	13517.3
15°	10223.6	10100.6	10168.7	10135.6	10117.6
17.5°	6875.1	6827.7	6918.6	6891.2	6772.8
20°	4945.7	4958.0	5131.2	5044.1	4939.0
22.5°	3608.9	3653.4	3858.8	3634.5	3552.1
25°	2402.8	2493.7	2709.5	2430.2	2353.5
27.5°	1477.8	1519.5	1738.2	1458.9	1417.2
30°	919.3	898.4	1001.6	859.6	800.9
32.5°	603.1	576.6	609.7	547.2	499.9
35°	403.3	411.8	386.3	383.4	323.8
37.5°	251.8	289.7	255.6	272.7	208.3
40°	162.8	210.2	180.8	199.8	153.4
42.5°	133.5	161.9	148.6	158.1	136.3
45°	106.0	131.6	131.6	131.6	107.0
47.5°	58.7	88.0	112.7	89.9	62.5
50°	33.1	44.5	87.1	46.4	35.0
52.5°	22.7	25.6	59.6	26.5	23.7
55°	17.0	18.0	32.2	18.9	18.0
57.5°	13.3	14.2	17.0	14.2	13.3
60°	10.4	10.4	12.3	11.4	10.4
62.5°	7.6	7.6	8.5	7.6	7.6
65°	5.7	5.7	5.7	5.7	5.7
67.5°	2.8	3.8	3.8	3.8	3.8
70°	2.8	1.9	1.9	1.9	2.8
72.5°	1.9	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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



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Scaled Data Report





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

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