

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: P794224

Luminaire Tested: LER6D60D010-EC6DR3055659030-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794224
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-EC6DR3055659030-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6991.8 lumens
Efficiency: N/A
Efficacy: 108.6 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

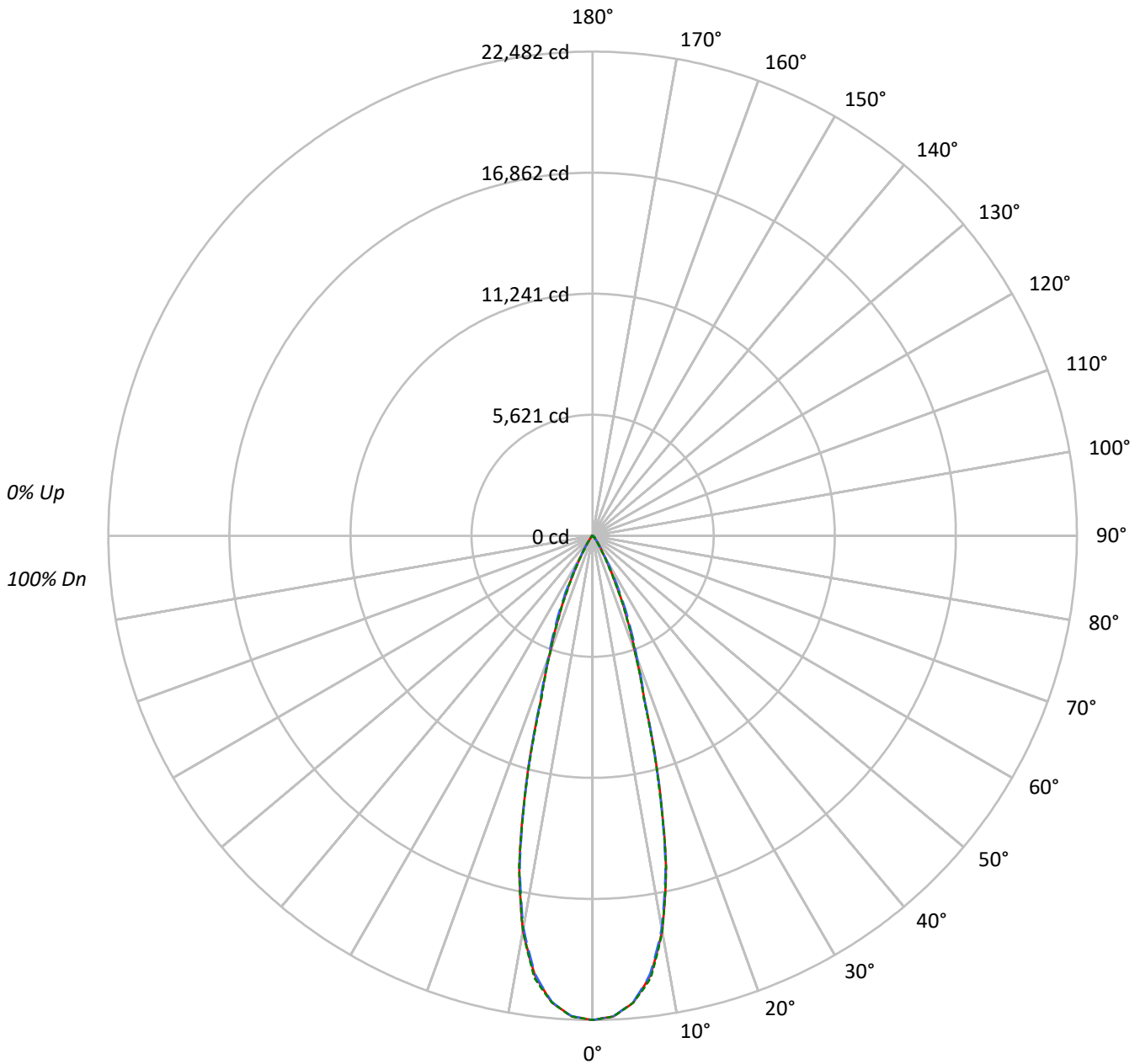


Downlight

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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						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1720864	1720864	1720864
5°	1671462	1669511	1671547
10°	1447738	1437532	1447396
15°	944575	939504	934781
20°	469690	487317	469063
25°	236596	266806	231748
30°	94731	103216	82534
35°	43937	42086	35274
40°	18975	21063	17866
45°	13380	16605	13499
50°	4597	12087	4858
55°	2656	5004	2802
60°	1852	2189	1852
65°	1195	1195	1195
70°	739	492	739
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 16605 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1977.0	28.3
10°-20°	3183.9	45.5
20°-30°	1375.9	19.7
30°-40°	313.6	4.5
40°-50°	107.7	1.5
50°-60°	26.3	0.4
60°-70°	6.8	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°	6536.8	93.5
0°-40°	6850.3	98.0
0°-60°	6984.3	99.9
0°-90°	6991.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6991.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22482	22482	22482	22482	22482	
5°	21754	21733	21728	21774	21755	1979
15°	11920	11776	11856	11817	11796	3192
25°	2801	2907	3159	2834	2744	1341
35°	470	480	450	447	378	319
45°	124	153	153	153	125	88
55°	20	21	38	22	21	19
65°	7	7	7	7	7	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°	22482.2	22482.2	22482.2	22482.2	22482.2
2.5°	22333.2	22317.7	22326.6	22337.6	22342.0
5°	21753.7	21732.7	21728.3	21773.5	21754.8
7.5°	20584.8	20555.0	20509.7	20612.3	20708.4
10°	18626.6	18593.5	18495.3	18543.8	18622.2
12.5°	15735.8	15628.7	15626.5	15781.0	15760.0
15°	11919.9	11776.4	11855.9	11817.3	11796.3
17.5°	8015.8	7960.6	8066.6	8034.6	7896.6
20°	5766.2	5780.6	5982.6	5881.0	5758.5
22.5°	4207.7	4259.6	4499.1	4237.5	4141.5
25°	2801.4	2907.4	3159.1	2833.5	2744.0
27.5°	1723.0	1771.6	2026.6	1701.0	1652.4
30°	1071.8	1047.5	1167.8	1002.2	933.8
32.5°	703.1	672.2	710.8	638.0	582.8
35°	470.2	480.2	450.4	447.0	377.5
37.5°	293.6	337.8	298.0	317.9	242.8
40°	189.9	245.0	210.8	232.9	178.8
42.5°	155.6	188.7	173.3	184.3	158.9
45°	123.6	153.4	153.4	153.4	124.7
47.5°	68.4	102.7	131.4	104.9	72.9
50°	38.6	51.9	101.5	54.1	40.8
52.5°	26.5	29.8	69.5	30.9	27.6
55°	19.9	21.0	37.5	22.1	21.0
57.5°	15.5	16.6	19.9	16.6	15.5
60°	12.1	12.1	14.3	13.2	12.1
62.5°	8.8	8.8	9.9	8.8	8.8
65°	6.6	6.6	6.6	6.6	6.6
67.5°	3.3	4.4	4.4	4.4	4.4
70°	3.3	2.2	2.2	2.2	3.3
72.5°	2.2	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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)