

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: P760179

Luminaire Tested: LD6D10D010-EU6DR300210IC9027-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760179
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: LD6D10D010-EU6DR300210IC9027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1032.1 lumens
Efficiency: N/A
Efficacy: 88.2 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): 11.7
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



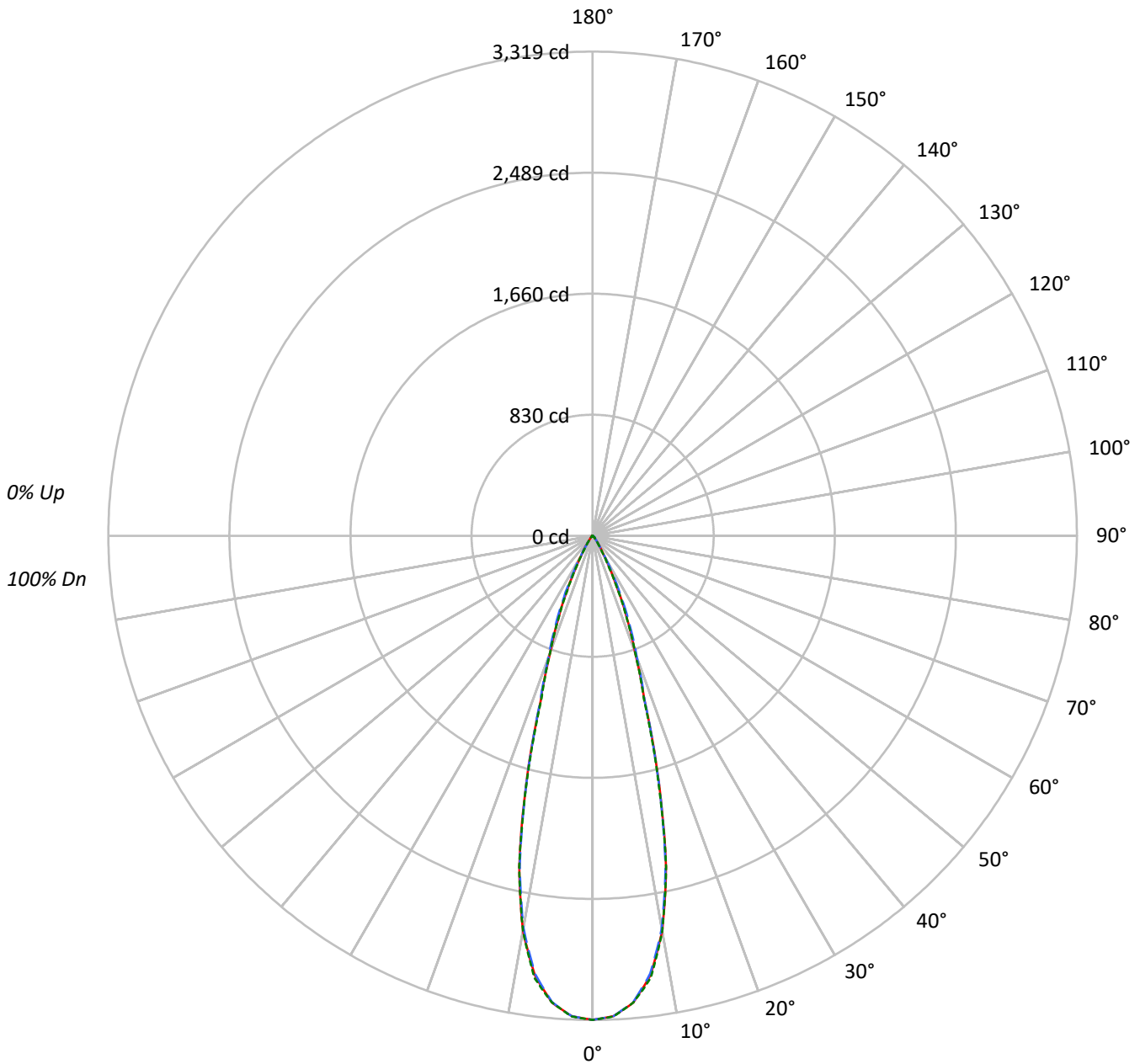
Downlight



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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°	254017	254017	254017
5°	246727	246443	246743
10°	213703	212203	213656
15°	139429	138684	137987
20°	69335	71934	69237
25°	34931	39382	34213
30°	13982	15238	12188
35°	6485	6214	5205
40°	2798	3108	2638
45°	1981	2446	1992
50°	679	1786	714
55°	387	747	414
60°	276	321	276
65°	181	181	181
70°	112	67	112
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2446 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.8	28.3
10°-20°	470.0	45.5
20°-30°	203.1	19.7
30°-40°	46.3	4.5
40°-50°	15.9	1.5
50°-60°	3.9	0.4
60°-70°	1.0	0.1
70°-80°	0.1	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°	964.9	93.5
0°-40°	1011.2	98.0
0°-60°	1031.0	99.9
0°-90°	1032.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1032.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3319	3319	3319	3319	3319	
5°	3211	3208	3207	3214	3211	292
15°	1760	1738	1750	1744	1741	471
25°	414	429	466	418	405	198
35°	69	71	66	66	56	47
45°	18	23	23	23	18	13
55°	3	3	6	3	3	3
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3318.6	3318.6	3318.6	3318.6	3318.6
2.5°	3296.6	3294.4	3295.7	3297.3	3298.0
5°	3211.1	3208.0	3207.4	3214.1	3211.3
7.5°	3038.6	3034.2	3027.5	3042.7	3056.8
10°	2749.5	2744.7	2730.2	2737.3	2748.9
12.5°	2322.8	2307.0	2306.7	2329.5	2326.4
15°	1759.5	1738.3	1750.1	1744.4	1741.3
17.5°	1183.3	1175.1	1190.7	1186.0	1165.6
20°	851.2	853.3	883.1	868.1	850.0
22.5°	621.1	628.8	664.1	625.5	611.3
25°	413.6	429.2	466.3	418.3	405.1
27.5°	254.3	261.5	299.1	251.1	243.9
30°	158.2	154.6	172.4	147.9	137.9
32.5°	103.8	99.2	104.9	94.2	86.1
35°	69.4	70.9	66.5	66.0	55.7
37.5°	43.3	49.8	44.0	46.9	35.9
40°	28.0	36.2	31.1	34.4	26.4
42.5°	23.0	27.8	25.6	27.2	23.5
45°	18.3	22.6	22.6	22.6	18.4
47.5°	10.1	15.1	19.4	15.5	10.8
50°	5.7	7.7	15.0	8.0	6.0
52.5°	3.9	4.4	10.3	4.6	4.1
55°	2.9	3.1	5.6	3.3	3.1
57.5°	2.3	2.5	2.9	2.5	2.3
60°	1.8	1.8	2.1	1.9	1.8
62.5°	1.3	1.3	1.5	1.3	1.3
65°	1.0	1.0	1.0	1.0	1.0
67.5°	0.5	0.6	0.6	0.6	0.6
70°	0.5	0.3	0.3	0.3	0.5
72.5°	0.3	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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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