

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: P760193

Luminaire Tested: LD6D10D010-EU6DR300210IC9030-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760193
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-EU6DR300210IC9030-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 905.4 lumens
Efficiency: N/A
Efficacy: 77.4 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

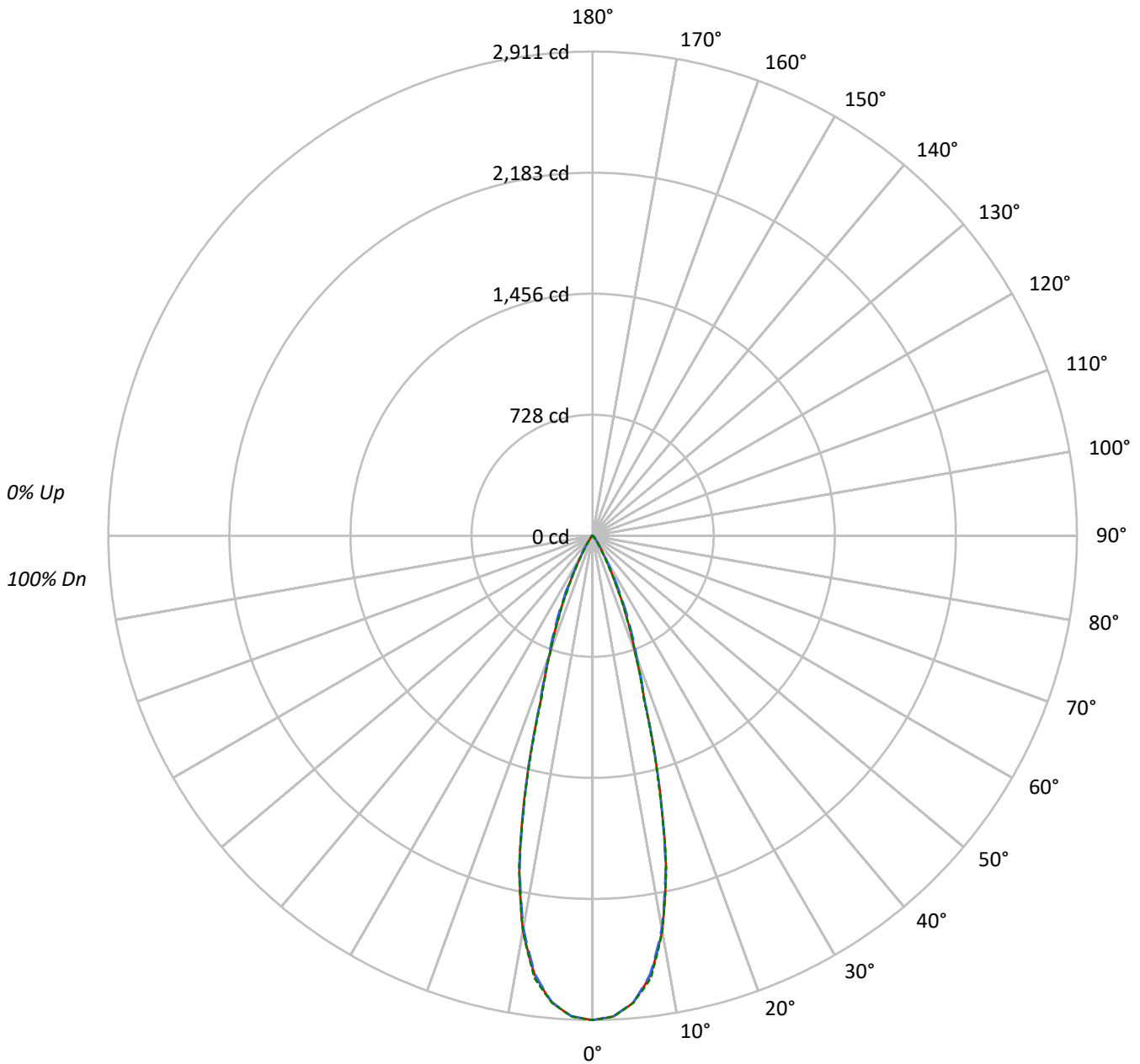


Downlight



TEST NUMBER: P760193
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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°	222841	222841	222841
5°	216439	216185	216454
10°	187471	186149	187424
15°	122312	121655	121045
20°	60823	63104	60742
25°	30641	34551	30007
30°	12268	13364	10686
35°	5691	5448	4569
40°	2458	2728	2308
45°	1732	2154	1754
50°	595	1572	631
55°	347	654	360
60°	230	276	230
65°	163	163	163
70°	90	67	90
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2154 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.0	28.3
10°-20°	412.3	45.5
20°-30°	178.2	19.7
30°-40°	40.6	4.5
40°-50°	14.0	1.5
50°-60°	3.4	0.4
60°-70°	0.9	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°	846.5	93.5
0°-40°	887.1	98.0
0°-60°	904.4	99.9
0°-90°	905.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	905.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2911	2911	2911	2911	2911	
5°	2817	2814	2814	2820	2817	256
15°	1544	1525	1535	1530	1528	413
25°	363	376	409	367	355	174
35°	61	62	58	58	49	41
45°	16	20	20	20	16	11
55°	3	3	5	3	3	2
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°	2911.3	2911.3	2911.3	2911.3	2911.3
2.5°	2892.0	2890.0	2891.1	2892.5	2893.1
5°	2816.9	2814.2	2813.6	2819.5	2817.1
7.5°	2665.5	2661.7	2655.9	2669.1	2681.6
10°	2412.0	2407.7	2395.0	2401.3	2411.4
12.5°	2037.6	2023.8	2023.5	2043.5	2040.8
15°	1543.5	1525.0	1535.2	1530.2	1527.5
17.5°	1038.0	1030.9	1044.5	1040.4	1022.5
20°	746.7	748.6	774.7	761.6	745.7
22.5°	544.9	551.6	582.6	548.7	536.3
25°	362.8	376.5	409.1	366.9	355.3
27.5°	223.1	229.4	262.4	220.2	214.0
30°	138.8	135.6	151.2	129.8	120.9
32.5°	91.0	87.0	92.1	82.6	75.5
35°	60.9	62.2	58.3	57.9	48.9
37.5°	38.0	43.7	38.6	41.1	31.5
40°	24.6	31.7	27.3	30.1	23.1
42.5°	20.2	24.5	22.5	23.9	20.6
45°	16.0	19.9	19.9	19.9	16.2
47.5°	8.9	13.3	17.0	13.6	9.5
50°	5.0	6.7	13.2	7.0	5.3
52.5°	3.4	3.8	9.0	4.0	3.6
55°	2.6	2.7	4.9	2.9	2.7
57.5°	2.0	2.1	2.6	2.1	2.0
60°	1.5	1.5	1.8	1.7	1.5
62.5°	1.1	1.1	1.3	1.1	1.1
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.4	0.6	0.6	0.6	0.6
70°	0.4	0.3	0.3	0.3	0.4
72.5°	0.3	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	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



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Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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