

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: P760184

Luminaire Tested: LD6D10D010-EU6DR300210IC9027-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760184
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-EU6DR300210IC9027-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 983.5 lumens
Efficiency: N/A
Efficacy: 84.1 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): 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



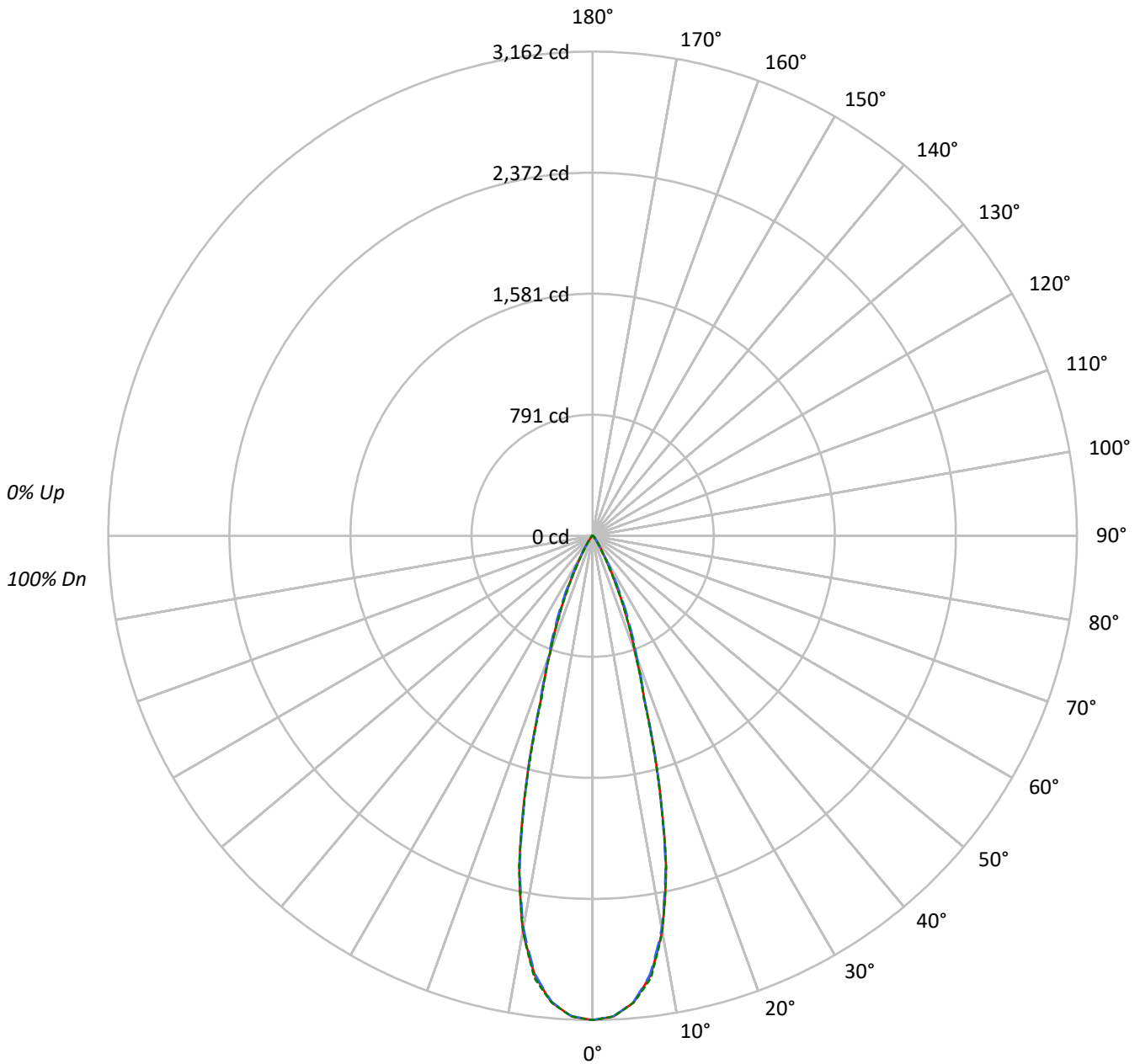
Downlight



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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°	242068	242068	242068
5°	235117	234841	235125
10°	203645	202215	203599
15°	132868	132154	131489
20°	66069	68553	65979
25°	33284	37532	32600
30°	13320	14522	11614
35°	6177	5924	4962
40°	2668	2968	2518
45°	1884	2338	1894
50°	643	1703	679
55°	374	707	387
60°	260	306	260
65°	163	163	163
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: 2338 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.1	28.3
10°-20°	447.9	45.5
20°-30°	193.5	19.7
30°-40°	44.1	4.5
40°-50°	15.1	1.5
50°-60°	3.7	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°	919.5	93.5
0°-40°	963.6	98.0
0°-60°	982.5	99.9
0°-90°	983.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	983.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3162	3162	3162	3162	3162	
5°	3060	3057	3056	3063	3060	278
15°	1677	1656	1668	1662	1659	449
25°	394	409	444	398	386	189
35°	66	68	63	63	53	45
45°	17	22	22	22	18	12
55°	3	3	5	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3162.5	3162.5	3162.5	3162.5	3162.5
2.5°	3141.5	3139.3	3140.6	3142.1	3142.7
5°	3060.0	3057.0	3056.4	3062.8	3060.1
7.5°	2895.6	2891.4	2885.0	2899.5	2912.9
10°	2620.1	2615.5	2601.7	2608.5	2619.5
12.5°	2213.5	2198.4	2198.1	2219.8	2216.9
15°	1676.7	1656.5	1667.7	1662.3	1659.3
17.5°	1127.6	1119.8	1134.7	1130.2	1110.8
20°	811.1	813.1	841.6	827.3	810.0
22.5°	591.9	599.2	632.9	596.0	582.6
25°	394.1	409.0	444.4	398.5	386.0
27.5°	242.4	249.2	285.0	239.3	232.4
30°	150.7	147.4	164.3	141.0	131.4
32.5°	98.9	94.5	100.0	89.7	82.0
35°	66.1	67.6	63.4	62.9	53.1
37.5°	41.3	47.5	41.9	44.7	34.1
40°	26.7	34.5	29.7	32.8	25.2
42.5°	21.9	26.5	24.4	26.0	22.3
45°	17.4	21.6	21.6	21.6	17.5
47.5°	9.6	14.4	18.4	14.7	10.3
50°	5.4	7.3	14.3	7.6	5.7
52.5°	3.7	4.2	9.8	4.4	3.9
55°	2.8	2.9	5.3	3.1	2.9
57.5°	2.2	2.3	2.8	2.3	2.2
60°	1.7	1.7	2.0	1.9	1.7
62.5°	1.3	1.3	1.4	1.3	1.3
65°	0.9	0.9	0.9	0.9	0.9
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





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

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