

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: P771865

Luminaire Tested: LD6D80BD010-EU6DR3070959030-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771865
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: LD6D80BD010-EU6DR3070959030-6LBS1MW
Description: 6 INCH ROUND SHALLOW 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: 9444.0 lumens
Efficiency: N/A
Efficacy: 119.7 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): 78.9
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

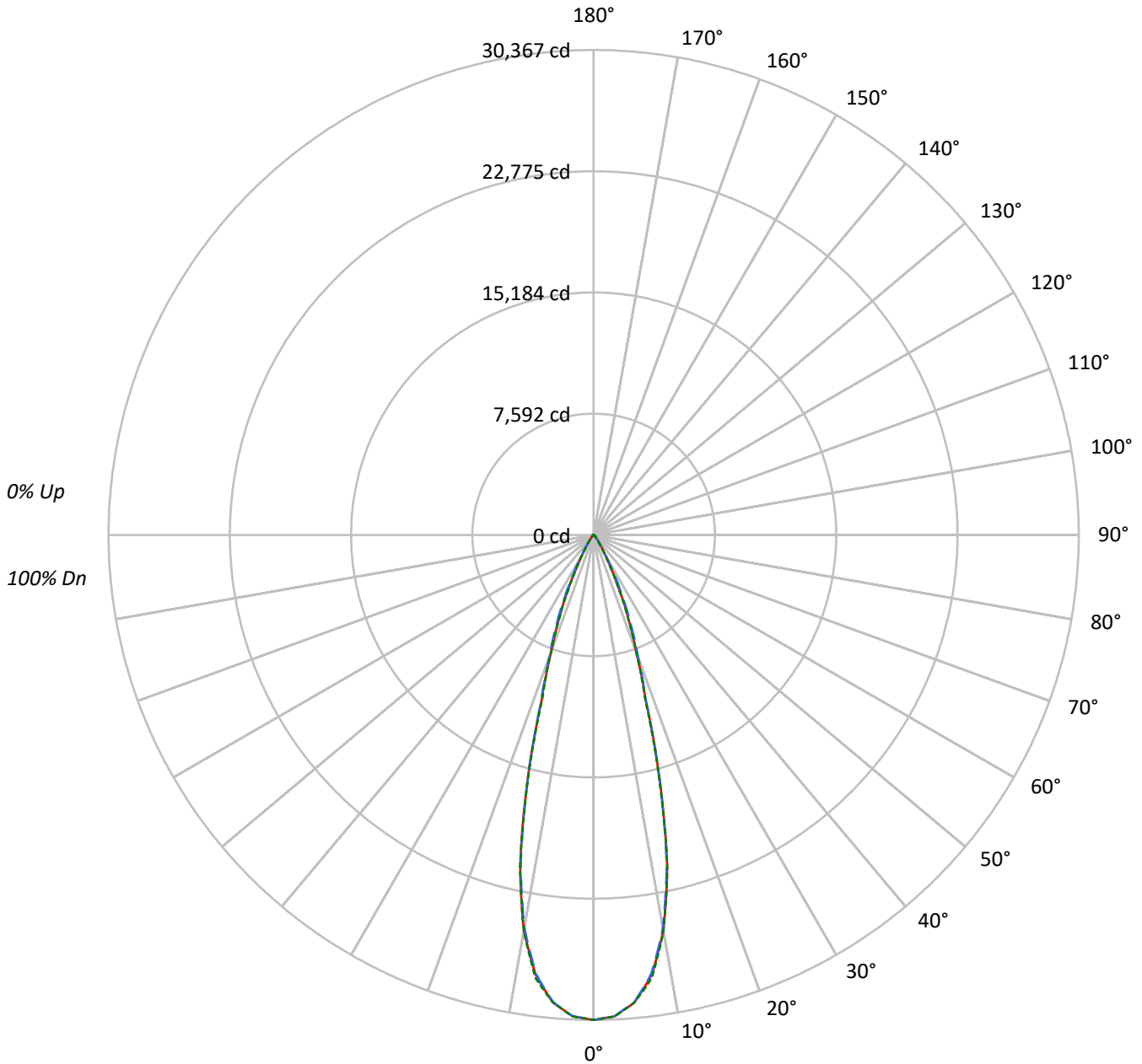


Downlight

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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°	2324393	2324393	2324393
5°	2257666	2255030	2257781
10°	1955479	1941690	1955012
15°	1275853	1268998	1262619
20°	634418	658228	633571
25°	319574	360375	313029
30°	127955	139418	111480
35°	59345	56841	47646
40°	25620	28457	24131
45°	18078	22429	18240
50°	6216	16338	6573
55°	3576	6766	3777
60°	2511	2970	2511
65°	1612	1612	1612
70°	1007	671	1007
75°	0	444	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 22429 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2670.3	28.3
10°-20°	4300.6	45.5
20°-30°	1858.4	19.7
30°-40°	423.6	4.5
40°-50°	145.4	1.5
50°-60°	35.5	0.4
60°-70°	9.2	0.1
70°-80°	1.0	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°	8829.3	93.5
0°-40°	9252.8	98.0
0°-60°	9433.8	99.9
0°-90°	9444.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9444.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	30367	30367	30367	30367	30367	
5°	29383	29355	29349	29410	29384	2673
15°	16100	15907	16014	15962	15933	4311
25°	3784	3927	4267	3827	3706	1811
35°	635	648	608	604	510	431
45°	167	207	207	207	168	119
55°	27	28	51	30	28	26
65°	9	9	9	9	9	9
75°	0	0	2	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°	30367.0	30367.0	30367.0	30367.0	30367.0
2.5°	30165.7	30144.8	30156.8	30171.7	30177.6
5°	29383.0	29354.6	29348.7	29409.8	29384.5
7.5°	27804.1	27763.8	27702.7	27841.4	27971.1
10°	25159.2	25114.5	24981.8	25047.4	25153.2
12.5°	21254.5	21109.9	21106.9	21315.6	21287.3
15°	16100.4	15906.6	16013.9	15961.7	15933.4
17.5°	10827.0	10752.5	10895.6	10852.4	10666.0
20°	7788.5	7807.9	8080.8	7943.6	7778.1
22.5°	5683.4	5753.4	6077.0	5723.6	5593.9
25°	3783.9	3927.1	4267.0	3827.2	3706.4
27.5°	2327.3	2392.9	2737.3	2297.5	2231.9
30°	1447.7	1414.9	1577.4	1353.8	1261.3
32.5°	949.7	908.0	960.1	861.7	787.2
35°	635.1	648.5	608.3	603.8	509.9
37.5°	396.6	456.2	402.5	429.4	328.0
40°	256.4	331.0	284.8	314.6	241.5
42.5°	210.2	254.9	234.1	249.0	214.7
45°	167.0	207.2	207.2	207.2	168.5
47.5°	92.4	138.7	177.4	141.6	98.4
50°	52.2	70.1	137.2	73.1	55.2
52.5°	35.8	40.3	93.9	41.7	37.3
55°	26.8	28.3	50.7	29.8	28.3
57.5°	20.9	22.4	26.8	22.4	20.9
60°	16.4	16.4	19.4	17.9	16.4
62.5°	11.9	11.9	13.4	11.9	11.9
65°	8.9	8.9	8.9	8.9	8.9
67.5°	4.5	6.0	6.0	6.0	6.0
70°	4.5	3.0	3.0	3.0	4.5
72.5°	3.0	1.5	1.5	1.5	1.5
75°	0.0	0.0	1.5	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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