

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: P770292

Luminaire Tested: LD6D70BD010-EU6DR3070959027-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770292
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: LD6D70BD010-EU6DR3070959027-6LBS1MW
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: 7655.5 lumens
Efficiency: N/A
Efficacy: 114.9 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): 66.6
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

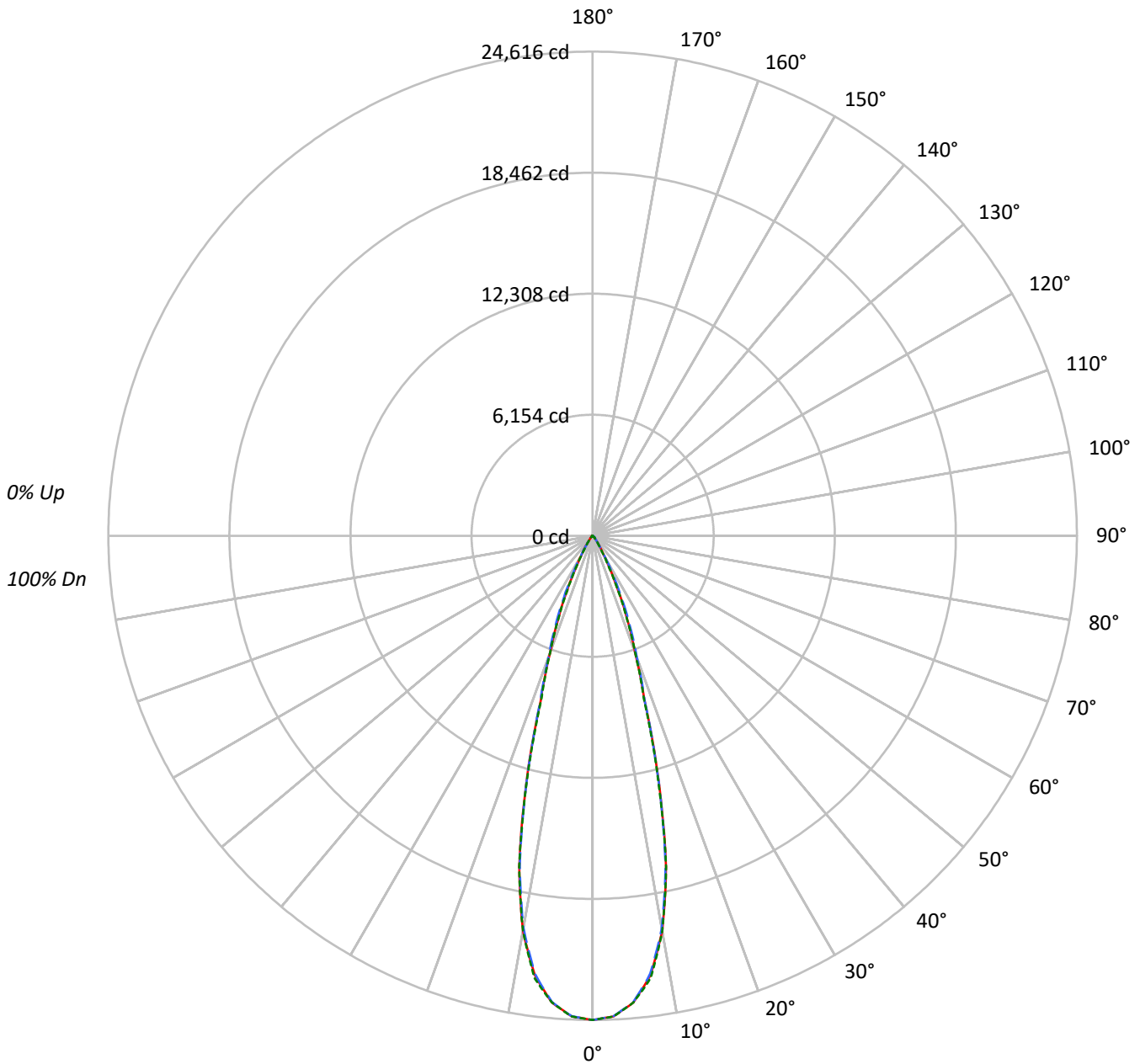


Downlight

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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°	1884208	1884208	1884208
5°	1830113	1827977	1830205
10°	1585154	1573977	1584781
15°	1034239	1028684	1023510
20°	514279	533576	513587
25°	259061	292126	253749
30°	103719	113018	90373
35°	48113	46076	38620
40°	20773	23062	19564
45°	14657	18186	14787
50°	5037	13242	5323
55°	2909	5485	3069
60°	2036	2403	2036
65°	1322	1322	1322
70°	806	537	806
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 18186 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2164.6	28.3
10°-20°	3486.1	45.5
20°-30°	1506.5	19.7
30°-40°	343.4	4.5
40°-50°	117.9	1.5
50°-60°	28.8	0.4
60°-70°	7.5	0.1
70°-80°	0.8	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°	7157.2	93.5
0°-40°	7500.6	98.0
0°-60°	7647.3	99.9
0°-90°	7655.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7655.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24616	24616	24616	24616	24616	
5°	23818	23796	23791	23840	23820	2166
15°	13051	12894	12981	12939	12916	3495
25°	3067	3183	3459	3102	3004	1468
35°	515	526	493	490	413	349
45°	135	168	168	168	137	96
55°	22	23	41	24	23	21
65°	7	7	7	7	7	7
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°	24616.2	24616.2	24616.2	24616.2	24616.2
2.5°	24453.0	24436.1	24445.8	24457.8	24462.7
5°	23818.5	23795.5	23790.7	23840.3	23819.7
7.5°	22538.6	22506.0	22456.5	22568.8	22674.0
10°	20394.6	20358.4	20250.8	20304.0	20389.8
12.5°	17229.4	17112.2	17109.7	17278.9	17256.0
15°	13051.4	12894.2	12981.3	12939.0	12916.0
17.5°	8776.6	8716.2	8832.2	8797.2	8646.1
20°	6313.6	6329.3	6550.5	6439.3	6305.1
22.5°	4607.1	4663.9	4926.1	4639.7	4534.6
25°	3067.4	3183.4	3458.9	3102.4	3004.5
27.5°	1886.6	1939.8	2218.9	1862.4	1809.2
30°	1173.5	1146.9	1278.7	1097.4	1022.5
32.5°	769.9	736.0	778.3	698.6	638.1
35°	514.9	525.7	493.1	489.5	413.3
37.5°	321.5	369.8	326.3	348.1	265.9
40°	207.9	268.3	230.8	255.0	195.8
42.5°	170.4	206.7	189.7	201.8	174.0
45°	135.4	168.0	168.0	168.0	136.6
47.5°	74.9	112.4	143.8	114.8	79.8
50°	42.3	56.8	111.2	59.2	44.7
52.5°	29.0	32.6	76.1	33.8	30.2
55°	21.8	23.0	41.1	24.2	23.0
57.5°	16.9	18.1	21.8	18.1	16.9
60°	13.3	13.3	15.7	14.5	13.3
62.5°	9.7	9.7	10.9	9.7	9.7
65°	7.3	7.3	7.3	7.3	7.3
67.5°	3.6	4.8	4.8	4.8	4.8
70°	3.6	2.4	2.4	2.4	3.6
72.5°	2.4	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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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