

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: P771059

Luminaire Tested: LD6D75BD010-EU6DR3070959024-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771059
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: LD6D75BD010-EU6DR3070959024-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7142.9 lumens
Efficiency: N/A
Efficacy: 98.7 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): 72.4
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

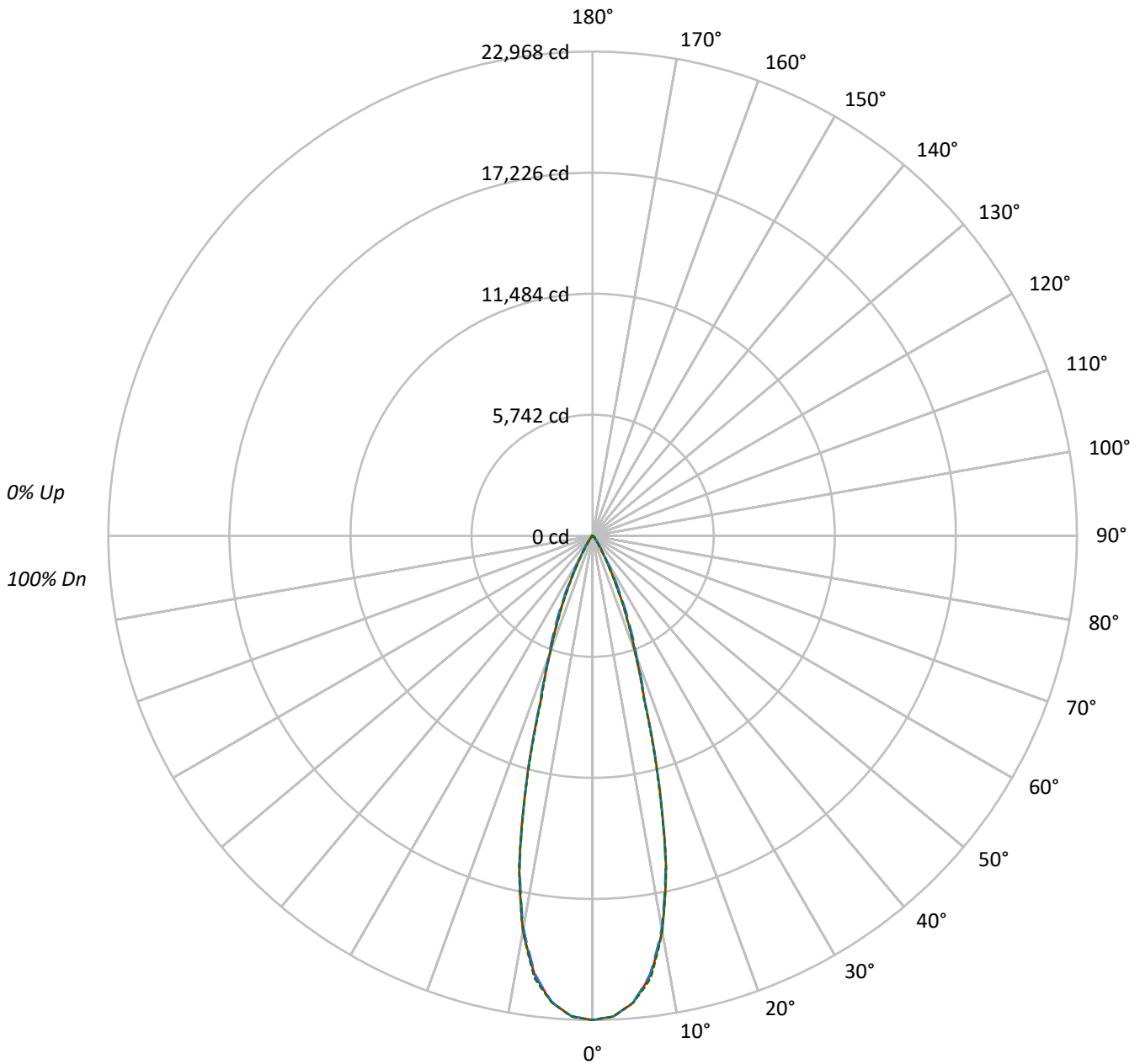


Downlight

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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°	1758041	1758041	1758041
5°	1707575	1705578	1707660
10°	1479014	1468591	1478664
15°	964988	959806	954980
20°	479840	497841	479196
25°	241714	272566	236756
30°	96772	105452	84319
35°	44890	42993	36041
40°	19385	21523	18255
45°	13672	16963	13791
50°	4704	12349	4966
55°	2709	5111	2856
60°	1898	2250	1898
65°	1232	1232	1232
70°	761	515	761
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 16963 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2019.7	28.3
10°-20°	3252.7	45.5
20°-30°	1405.6	19.7
30°-40°	320.4	4.5
40°-50°	110.0	1.5
50°-60°	26.9	0.4
60°-70°	7.0	0.1
70°-80°	0.7	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°	6678.0	93.5
0°-40°	6998.3	98.0
0°-60°	7135.2	99.9
0°-90°	7142.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7142.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22968	22968	22968	22968	22968	
5°	22224	22202	22198	22244	22225	2021
15°	12178	12031	12112	12073	12051	3261
25°	2862	2970	3227	2895	2803	1370
35°	480	490	460	457	386	326
45°	126	157	157	157	127	90
55°	20	21	38	23	21	20
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°	22967.9	22967.9	22967.9	22967.9	22967.9
2.5°	22815.7	22799.9	22808.9	22820.2	22824.7
5°	22223.7	22202.2	22197.7	22244.0	22224.8
7.5°	21029.5	20999.0	20952.8	21057.7	21155.8
10°	19029.0	18995.2	18894.9	18944.5	19024.5
12.5°	16075.7	15966.4	15964.1	16122.0	16100.5
15°	12177.5	12030.9	12112.1	12072.6	12051.2
17.5°	8189.0	8132.6	8240.8	8208.1	8067.2
20°	5890.8	5905.5	6111.8	6008.1	5882.9
22.5°	4298.6	4351.6	4596.3	4329.0	4230.9
25°	2862.0	2970.2	3227.3	2894.7	2803.3
27.5°	1760.3	1809.9	2070.4	1737.7	1688.1
30°	1094.9	1070.1	1193.1	1023.9	954.0
32.5°	718.3	686.7	726.2	651.8	595.4
35°	480.4	490.5	460.1	456.7	385.7
37.5°	300.0	345.1	304.5	324.8	248.1
40°	194.0	250.3	215.4	237.9	182.7
42.5°	159.0	192.8	177.0	188.3	162.4
45°	126.3	156.7	156.7	156.7	127.4
47.5°	69.9	104.9	134.2	107.1	74.4
50°	39.5	53.0	103.7	55.3	41.7
52.5°	27.1	30.4	71.0	31.6	28.2
55°	20.3	21.4	38.3	22.6	21.4
57.5°	15.8	16.9	20.3	16.9	15.8
60°	12.4	12.4	14.7	13.5	12.4
62.5°	9.0	9.0	10.1	9.0	9.0
65°	6.8	6.8	6.8	6.8	6.8
67.5°	3.4	4.5	4.5	4.5	4.5
70°	3.4	2.3	2.3	2.3	3.4
72.5°	2.3	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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

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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