

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: P768745

Luminaire Tested: LD6D60D010-EU6DR3055659030-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768745
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: LD6D60D010-EU6DR3055659030-6LBS1MW
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: 6995.9 lumens
Efficiency: N/A
Efficacy: 108.6 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

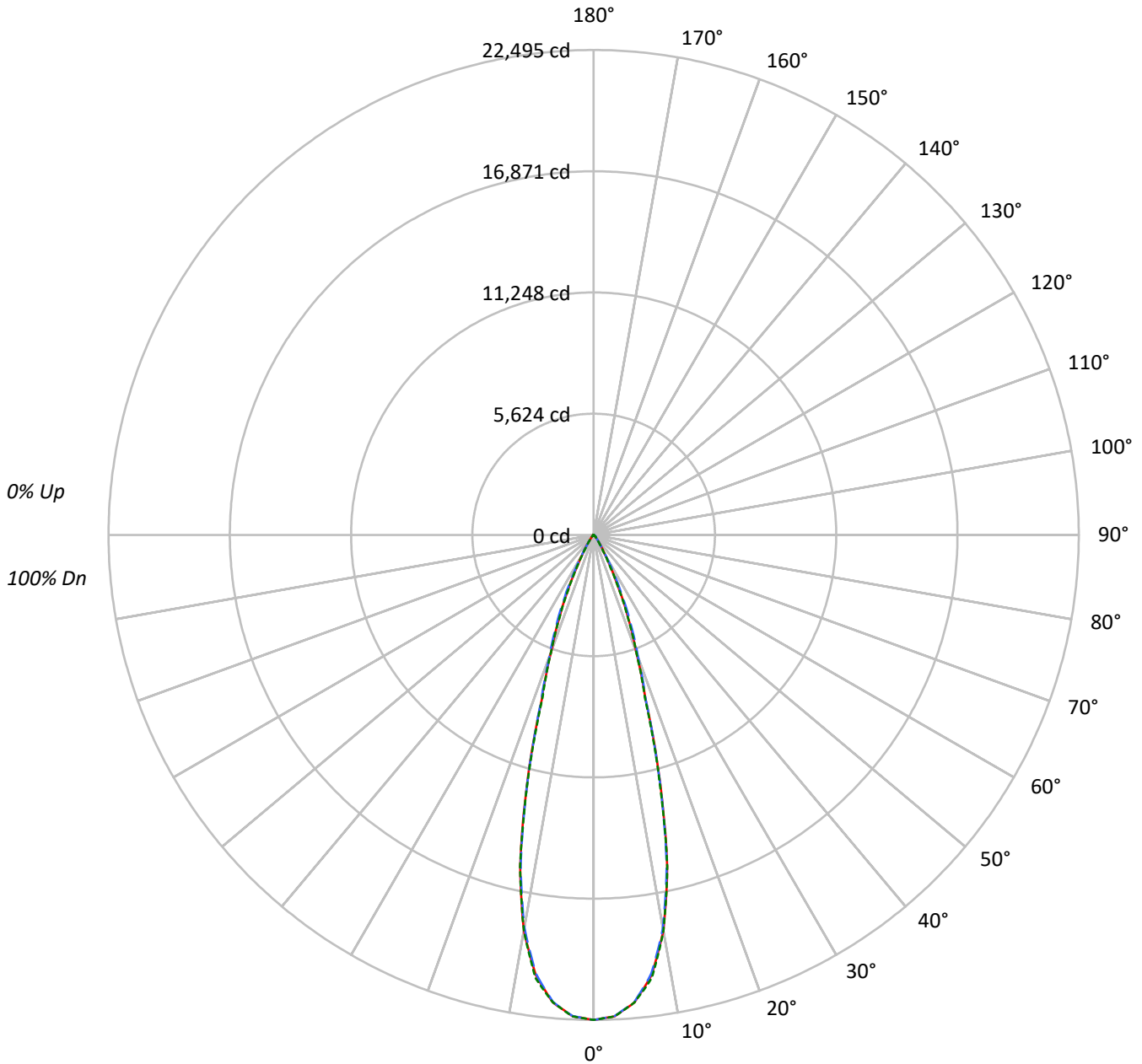
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	1721859	1721859	1721859
5°	1672431	1670479	1672515
10°	1448577	1438364	1448235
15°	945122	940050	935328
20°	469967	487602	469340
25°	236739	266958	231883
30°	94784	103278	82587
35°	43965	42105	35293
40°	18985	21073	17876
45°	13390	16616	13509
50°	4608	12099	4870
55°	2656	5018	2802
60°	1852	2204	1852
65°	1195	1195	1195
70°	739	492	739
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 16616 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1978.1	28.3
10°-20°	3185.8	45.5
20°-30°	1376.7	19.7
30°-40°	313.8	4.5
40°-50°	107.7	1.5
50°-60°	26.3	0.4
60°-70°	6.8	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°	6540.5	93.5
0°-40°	6854.3	98.0
0°-60°	6988.4	99.9
0°-90°	6995.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6995.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22495	22495	22495	22495	22495	
5°	21766	21745	21741	21786	21767	1980
15°	11927	11783	11863	11824	11803	3194
25°	2803	2909	3161	2835	2746	1342
35°	470	480	451	447	378	319
45°	124	154	154	154	125	88
55°	20	21	38	22	21	19
65°	7	7	7	7	7	6
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°	22495.2	22495.2	22495.2	22495.2	22495.2
2.5°	22346.1	22330.7	22339.5	22350.6	22355.0
5°	21766.3	21745.3	21740.9	21786.2	21767.4
7.5°	20596.7	20566.9	20521.6	20624.3	20720.4
10°	18637.4	18604.3	18506.0	18554.6	18633.0
12.5°	15744.9	15637.8	15635.6	15790.2	15769.2
15°	11926.8	11783.3	11862.8	11824.1	11803.2
17.5°	8020.4	7965.2	8071.2	8039.2	7901.2
20°	5769.6	5784.0	5986.1	5884.5	5761.9
22.5°	4210.1	4262.0	4501.7	4239.9	4143.9
25°	2803.1	2909.1	3160.9	2835.1	2745.6
27.5°	1724.0	1772.6	2027.8	1701.9	1653.3
30°	1072.4	1048.1	1168.5	1002.8	934.4
32.5°	703.5	672.6	711.3	638.4	583.1
35°	470.5	480.4	450.6	447.3	377.7
37.5°	293.8	338.0	298.2	318.1	243.0
40°	190.0	245.2	210.9	233.0	178.9
42.5°	155.7	188.9	173.4	184.4	159.0
45°	123.7	153.5	153.5	153.5	124.8
47.5°	68.5	102.7	131.4	104.9	72.9
50°	38.7	51.9	101.6	54.1	40.9
52.5°	26.5	29.8	69.6	30.9	27.6
55°	19.9	21.0	37.6	22.1	21.0
57.5°	15.5	16.6	19.9	16.6	15.5
60°	12.1	12.1	14.4	13.3	12.1
62.5°	8.8	8.8	9.9	8.8	8.8
65°	6.6	6.6	6.6	6.6	6.6
67.5°	3.3	4.4	4.4	4.4	4.4
70°	3.3	2.2	2.2	2.2	3.3
72.5°	2.2	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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