

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: P768782

Luminaire Tested: LD6D60D010-EU6DR3055659050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768782
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-EU6DR3055659050-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7840.7 lumens
Efficiency: N/A
Efficacy: 121.7 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

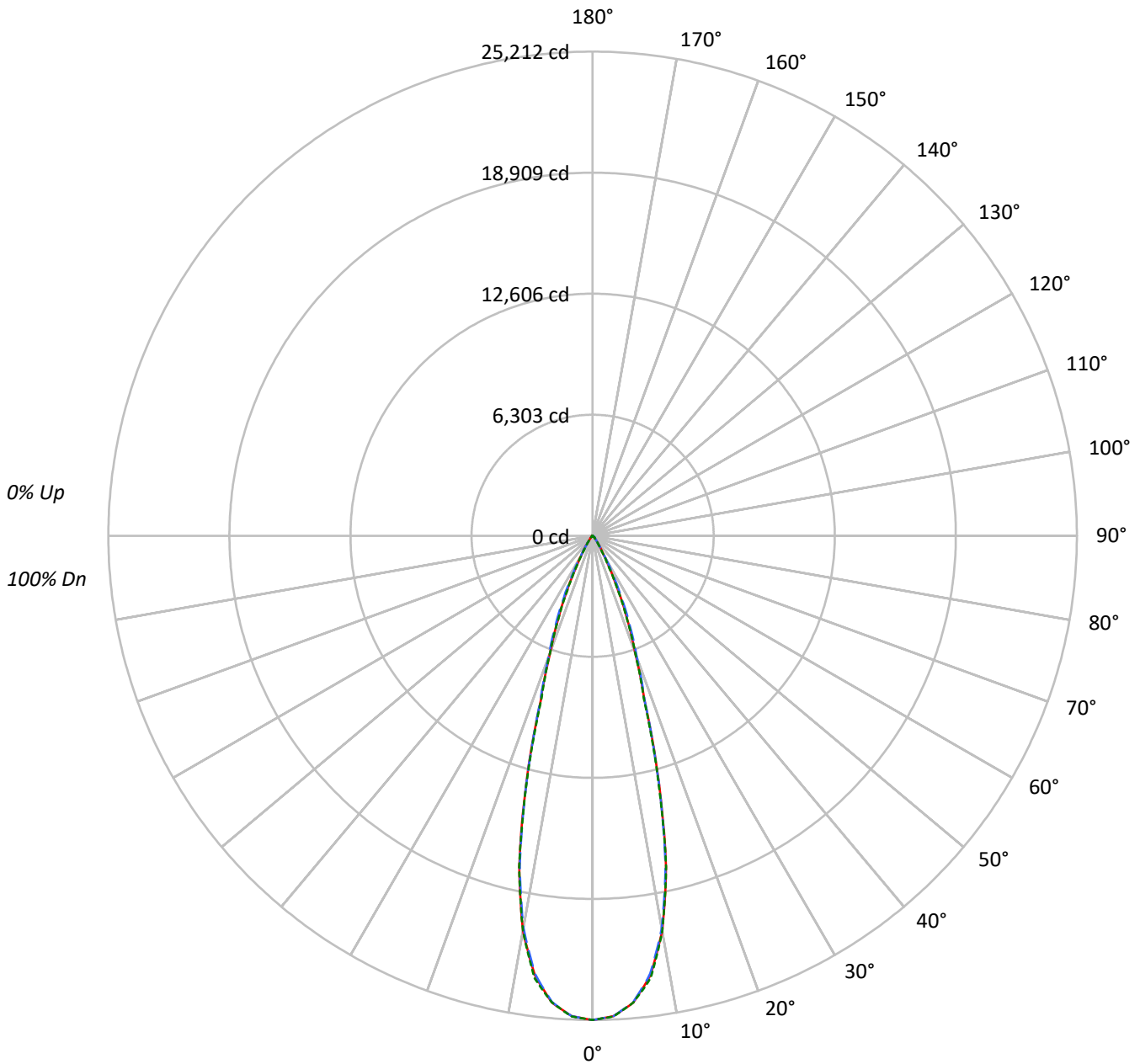
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1929781	1929781	1929781
5°	1874386	1872196	1874478
10°	1623503	1612054	1623114
15°	1059257	1053567	1048265
20°	526718	546479	526009
25°	265319	299195	259889
30°	106230	115749	92556
35°	49272	47188	39554
40°	21273	23621	20034
45°	15003	18630	15144
50°	5156	13563	5454
55°	2976	5618	3136
60°	2082	2465	2082
65°	1340	1340	1340
70°	828	559	828
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 18630 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2217.0	28.3
10°-20°	3570.5	45.5
20°-30°	1542.9	19.7
30°-40°	351.7	4.5
40°-50°	120.7	1.5
50°-60°	29.5	0.4
60°-70°	7.6	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°	7330.3	93.5
0°-40°	7682.0	98.0
0°-60°	7832.2	99.9
0°-90°	7840.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7840.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	25212	25212	25212	25212	25212	
5°	24395	24371	24366	24417	24396	2219
15°	13367	13206	13295	13252	13228	3579
25°	3142	3260	3543	3177	3077	1504
35°	527	538	505	501	423	358
45°	139	172	172	172	140	98
55°	22	24	42	25	24	22
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°	25211.6	25211.6	25211.6	25211.6	25211.6
2.5°	25044.5	25027.2	25037.1	25049.4	25054.4
5°	24394.7	24371.1	24366.2	24416.9	24395.9
7.5°	23083.8	23050.4	22999.6	23114.8	23222.5
10°	20888.0	20850.8	20740.7	20795.1	20883.0
12.5°	17646.1	17526.1	17523.6	17696.9	17673.4
15°	13367.1	13206.1	13295.3	13251.9	13228.4
17.5°	8988.9	8927.0	9045.9	9010.0	8855.3
20°	6466.3	6482.4	6708.9	6595.0	6457.6
22.5°	4718.5	4776.7	5045.3	4751.9	4644.2
25°	3141.5	3260.4	3542.6	3177.4	3077.2
27.5°	1932.2	1986.7	2272.6	1907.5	1853.0
30°	1201.9	1174.7	1309.6	1123.9	1047.2
32.5°	788.5	753.8	797.1	715.5	653.6
35°	527.3	538.4	505.0	501.3	423.3
37.5°	329.3	378.8	334.2	356.5	272.3
40°	212.9	274.8	236.4	261.2	200.5
42.5°	174.5	211.7	194.3	206.7	178.2
45°	138.6	172.1	172.1	172.1	139.9
47.5°	76.7	115.1	147.3	117.6	81.7
50°	43.3	58.2	113.9	60.7	45.8
52.5°	29.7	33.4	78.0	34.7	30.9
55°	22.3	23.5	42.1	24.8	23.5
57.5°	17.3	18.6	22.3	18.6	17.3
60°	13.6	13.6	16.1	14.9	13.6
62.5°	9.9	9.9	11.1	9.9	9.9
65°	7.4	7.4	7.4	7.4	7.4
67.5°	3.7	5.0	5.0	5.0	5.0
70°	3.7	2.5	2.5	2.5	3.7
72.5°	2.5	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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