

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: P767991

Luminaire Tested: LD6D55D010-EU6DR3055659040-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767991
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: LD6D55D010-EU6DR3055659040-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6729.6 lumens
Efficiency: N/A
Efficacy: 115.6 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

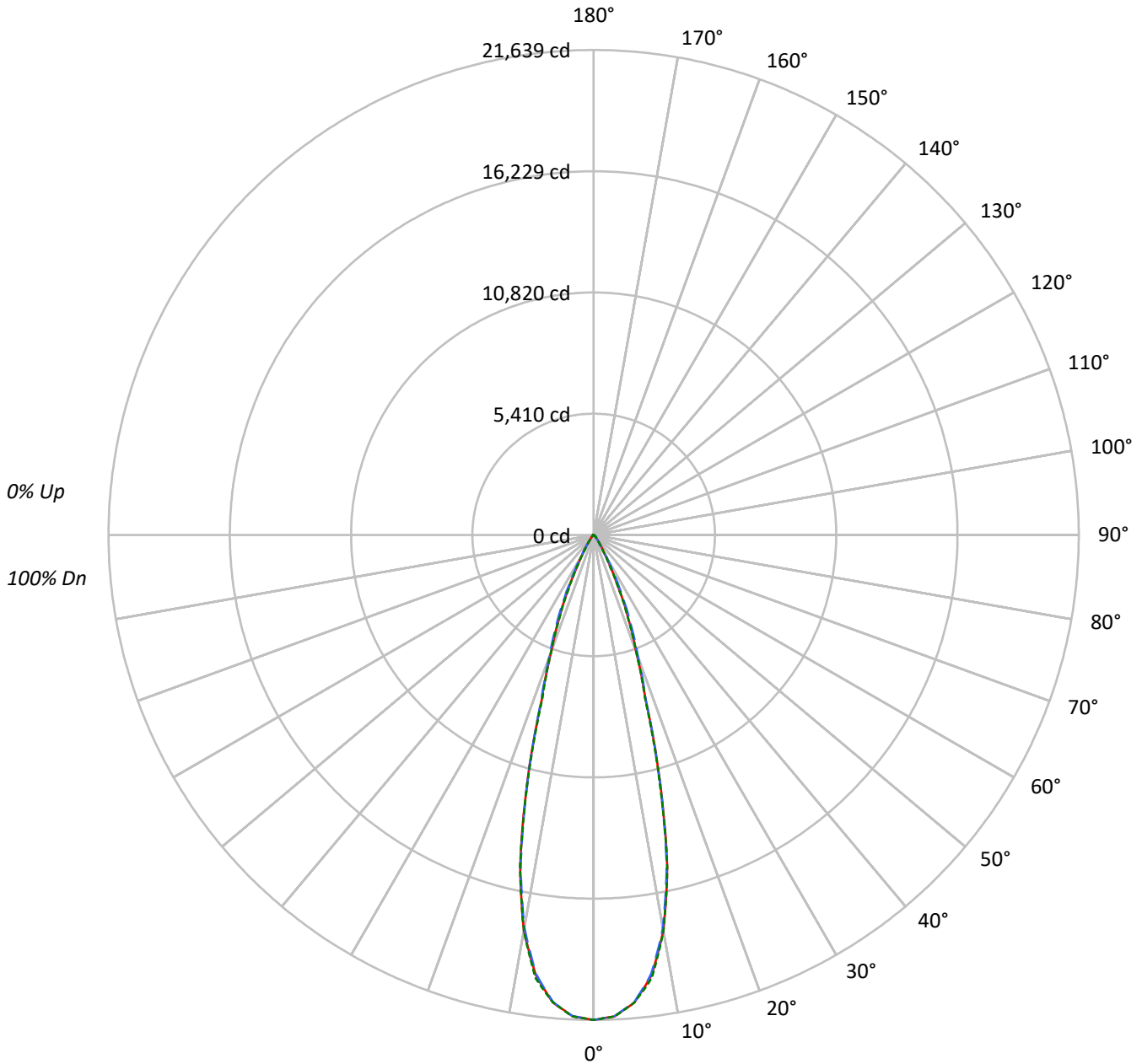
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1656307	1656307	1656307
5°	1608764	1606882	1608841
10°	1393432	1383607	1393097
15°	909145	904264	899715
20°	452071	469039	451469
25°	227728	256798	223058
30°	91178	99344	79440
35°	42292	40507	33948
40°	18255	20274	17196
45°	12882	15988	13001
50°	4430	11634	4680
55°	2549	4818	2696
60°	1791	2113	1791
65°	1159	1159	1159
70°	716	470	716
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 15988 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1902.8	28.3
10°-20°	3064.5	45.5
20°-30°	1324.2	19.7
30°-40°	301.8	4.5
40°-50°	103.6	1.5
50°-60°	25.3	0.4
60°-70°	6.6	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°	6291.5	93.5
0°-40°	6593.4	98.0
0°-60°	6722.3	99.9
0°-90°	6729.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6729.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21639	21639	21639	21639	21639	
5°	20938	20918	20913	20957	20939	1904
15°	11473	11335	11411	11374	11354	3072
25°	2696	2798	3041	2727	2641	1291
35°	453	462	434	430	363	307
45°	119	148	148	148	120	84
55°	19	20	36	21	20	19
65°	6	6	6	6	6	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°	21638.8	21638.8	21638.8	21638.8	21638.8
2.5°	21495.4	21480.5	21489.0	21499.7	21503.9
5°	20937.7	20917.5	20913.2	20956.8	20938.7
7.5°	19812.6	19783.9	19740.3	19839.1	19931.6
10°	17927.9	17896.0	17801.5	17848.2	17923.6
12.5°	15145.5	15042.4	15040.3	15189.0	15168.9
15°	11472.8	11334.7	11411.2	11374.0	11353.8
17.5°	7715.1	7662.0	7764.0	7733.2	7600.4
20°	5549.9	5563.8	5758.2	5660.4	5542.5
22.5°	4049.8	4099.8	4330.3	4078.5	3986.1
25°	2696.4	2798.3	3040.6	2727.2	2641.1
27.5°	1658.4	1705.1	1950.6	1637.1	1590.4
30°	1031.6	1008.2	1124.0	964.7	898.8
32.5°	676.7	647.0	684.2	614.1	560.9
35°	452.6	462.1	433.5	430.3	363.3
37.5°	282.6	325.1	286.8	306.0	233.7
40°	182.7	235.9	202.9	224.2	172.1
42.5°	149.8	181.7	166.8	177.4	153.0
45°	119.0	147.7	147.7	147.7	120.1
47.5°	65.9	98.8	126.4	100.9	70.1
50°	37.2	49.9	97.7	52.1	39.3
52.5°	25.5	28.7	66.9	29.7	26.6
55°	19.1	20.2	36.1	21.2	20.2
57.5°	14.9	15.9	19.1	15.9	14.9
60°	11.7	11.7	13.8	12.7	11.7
62.5°	8.5	8.5	9.6	8.5	8.5
65°	6.4	6.4	6.4	6.4	6.4
67.5°	3.2	4.2	4.2	4.2	4.2
70°	3.2	2.1	2.1	2.1	3.2
72.5°	2.1	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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