

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: P767939

Luminaire Tested: LD6D55D010-EU6DR3055659024-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767939
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-EU6DR3055659024-6LBS1MW
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: 5451.5 lumens
Efficiency: N/A
Efficacy: 93.7 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

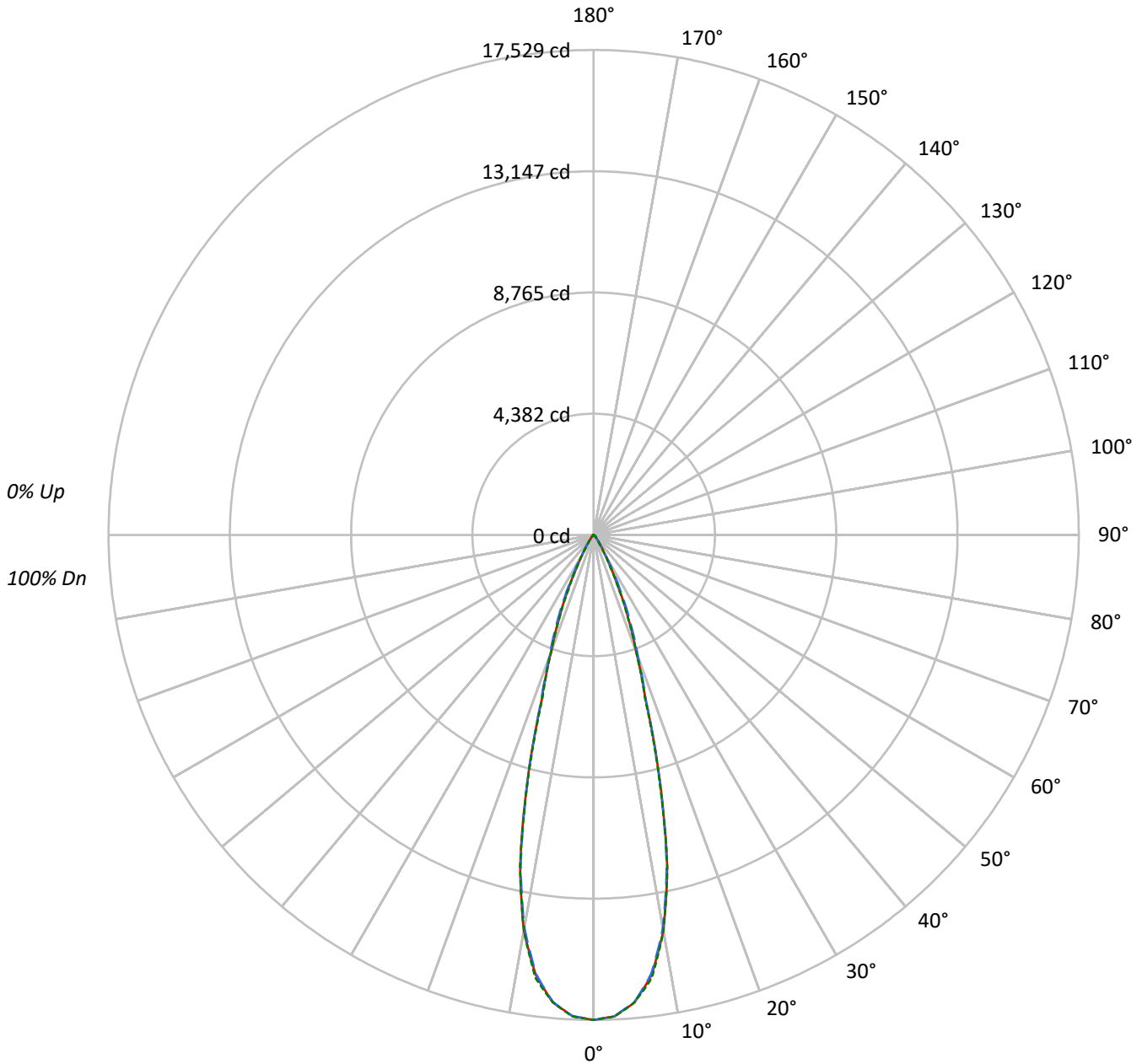
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1341752	1341752	1341752
5°	1303235	1301713	1303296
10°	1128796	1120837	1128532
15°	736482	732527	728843
20°	366217	379959	365728
25°	184478	208024	180694
30°	73863	80474	64353
35°	34256	32808	27500
40°	14788	16427	13929
45°	10435	12947	10533
50°	3584	9431	3787
55°	2068	3910	2189
60°	1454	1715	1454
65°	942	942	942
70°	582	380	582
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 12947 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1541.4	28.3
10°-20°	2482.5	45.5
20°-30°	1072.8	19.7
30°-40°	244.5	4.5
40°-50°	83.9	1.5
50°-60°	20.5	0.4
60°-70°	5.3	0.1
70°-80°	0.6	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°	5096.7	93.5
0°-40°	5341.2	98.0
0°-60°	5445.6	99.9
0°-90°	5451.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5451.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17529	17529	17529	17529	17529	
5°	16961	16945	16942	16977	16962	1543
15°	9294	9182	9244	9214	9198	2489
25°	2184	2267	2463	2209	2140	1046
35°	367	374	351	349	294	249
45°	96	120	120	120	97	68
55°	16	16	29	17	16	15
65°	5	5	5	5	5	5
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°	17529.3	17529.3	17529.3	17529.3	17529.3
2.5°	17413.1	17401.0	17407.9	17416.5	17420.0
5°	16961.3	16944.9	16941.5	16976.8	16962.1
7.5°	16049.9	16026.6	15991.3	16071.4	16146.2
10°	14523.1	14497.3	14420.7	14458.6	14519.7
12.5°	12269.1	12185.6	12183.9	12304.4	12288.0
15°	9293.9	9182.0	9244.0	9213.9	9197.5
17.5°	6249.9	6206.8	6289.5	6264.5	6156.9
20°	4495.9	4507.1	4664.6	4585.4	4489.9
22.5°	3280.7	3321.2	3507.9	3304.0	3229.1
25°	2184.3	2266.9	2463.1	2209.2	2139.5
27.5°	1343.4	1381.3	1580.1	1326.2	1288.4
30°	835.7	816.7	910.5	781.5	728.1
32.5°	548.2	524.1	554.2	497.4	454.4
35°	366.6	374.4	351.1	348.6	294.3
37.5°	228.9	263.4	232.4	247.9	189.3
40°	148.0	191.1	164.4	181.6	139.4
42.5°	121.3	147.2	135.1	143.7	123.9
45°	96.4	119.6	119.6	119.6	97.3
47.5°	53.4	80.0	102.4	81.8	56.8
50°	30.1	40.4	79.2	42.2	31.8
52.5°	20.7	23.2	54.2	24.1	21.5
55°	15.5	16.4	29.3	17.2	16.4
57.5°	12.0	12.9	15.5	12.9	12.0
60°	9.5	9.5	11.2	10.3	9.5
62.5°	6.9	6.9	7.7	6.9	6.9
65°	5.2	5.2	5.2	5.2	5.2
67.5°	2.6	3.4	3.4	3.4	3.4
70°	2.6	1.7	1.7	1.7	2.6
72.5°	1.7	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	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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