

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: P768004

Luminaire Tested: LD6D55D010-EU6DR3055659050-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768004
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-EU6DR3055659050-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6777.6 lumens
Efficiency: N/A
Efficacy: 116.5 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

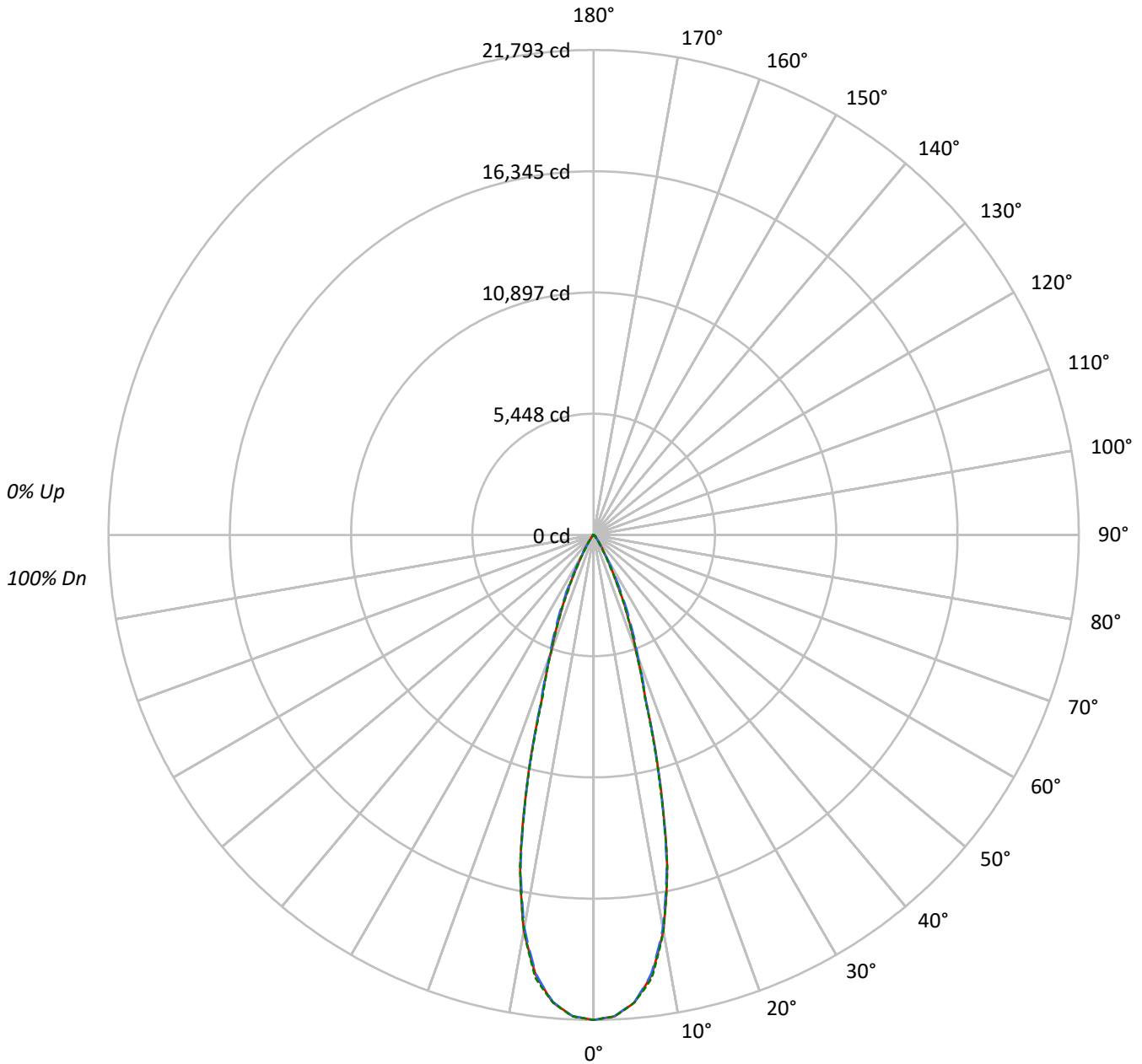


Downlight

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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°	1668141	1668141	1668141
5°	1620251	1618361	1620336
10°	1403380	1393486	1403054
15°	915635	910722	906142
20°	455305	472387	454694
25°	229350	258631	224654
30°	91832	100051	80006
35°	42591	40797	34191
40°	18385	20424	17316
45°	12968	16097	13087
50°	4454	11718	4716
55°	2576	4858	2709
60°	1806	2128	1806
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: 16097 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1916.4	28.3
10°-20°	3086.4	45.5
20°-30°	1333.7	19.7
30°-40°	304.0	4.5
40°-50°	104.4	1.5
50°-60°	25.5	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°	6336.5	93.5
0°-40°	6640.5	98.0
0°-60°	6770.3	99.9
0°-90°	6777.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6777.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21793	21793	21793	21793	21793	
5°	21087	21067	21063	21106	21088	1918
15°	11555	11416	11493	11455	11435	3094
25°	2716	2818	3062	2747	2660	1300
35°	456	465	437	433	366	309
45°	120	149	149	149	121	85
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°	21793.4	21793.4	21793.4	21793.4	21793.4
2.5°	21648.9	21634.0	21642.5	21653.2	21657.5
5°	21087.2	21066.9	21062.6	21106.5	21088.3
7.5°	19954.1	19925.2	19881.3	19980.8	20073.9
10°	18055.9	18023.8	17928.6	17975.7	18051.7
12.5°	15253.7	15149.9	15147.7	15297.5	15277.2
15°	11554.7	11415.6	11492.7	11455.2	11434.9
17.5°	7770.2	7716.7	7819.4	7788.4	7654.7
20°	5589.6	5603.5	5799.3	5700.9	5582.1
22.5°	4078.8	4129.1	4361.2	4107.7	4014.6
25°	2715.6	2818.3	3062.3	2746.6	2660.0
27.5°	1670.2	1717.3	1964.5	1648.8	1601.8
30°	1039.0	1015.4	1132.0	971.5	905.2
32.5°	681.6	651.6	689.1	618.4	565.0
35°	455.8	465.4	436.6	433.3	365.9
37.5°	284.6	327.4	288.9	308.2	235.4
40°	184.0	237.5	204.4	225.8	173.3
42.5°	150.9	183.0	168.0	178.7	154.1
45°	119.8	148.7	148.7	148.7	120.9
47.5°	66.3	99.5	127.3	101.6	70.6
50°	37.4	50.3	98.4	52.4	39.6
52.5°	25.7	28.9	67.4	30.0	26.7
55°	19.3	20.3	36.4	21.4	20.3
57.5°	15.0	16.0	19.3	16.0	15.0
60°	11.8	11.8	13.9	12.8	11.8
62.5°	8.6	8.6	9.6	8.6	8.6
65°	6.4	6.4	6.4	6.4	6.4
67.5°	3.2	4.3	4.3	4.3	4.3
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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