

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: P793738

Luminaire Tested: LER6D55D010-EC6DR3055659027-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793738
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: LER6D55D010-EC6DR3055659027-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5505.6 lumens
Efficiency: N/A
Efficacy: 94.6 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

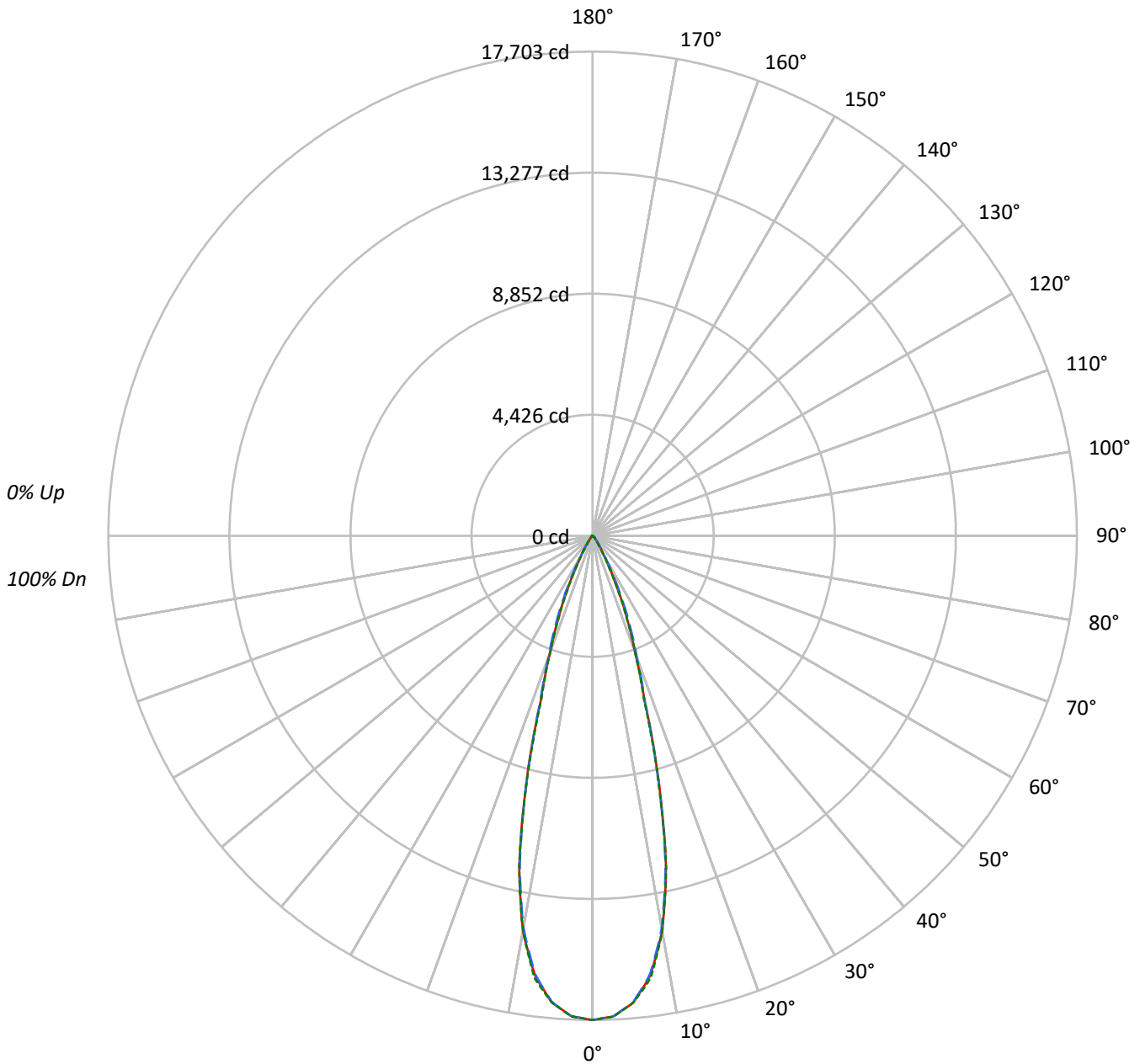
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1355055	1355055	1355055
5°	1316158	1314622	1316220
10°	1139989	1131952	1139724
15°	743788	739794	736070
20°	369850	383730	369353
25°	186302	210085	182485
30°	74597	81279	64989
35°	34602	33135	27780
40°	14938	16587	14069
45°	10533	13076	10630
50°	3620	9526	3834
55°	2082	3950	2202
60°	1470	1730	1470
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: 13076 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1556.7	28.3
10°-20°	2507.1	45.5
20°-30°	1083.4	19.7
30°-40°	246.9	4.5
40°-50°	84.8	1.5
50°-60°	20.7	0.4
60°-70°	5.4	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°	5147.2	93.5
0°-40°	5394.2	98.0
0°-60°	5499.7	99.9
0°-90°	5505.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5505.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17703	17703	17703	17703	17703	
5°	17130	17113	17110	17145	17130	1558
15°	9386	9273	9336	9305	9289	2513
25°	2206	2289	2488	2231	2161	1056
35°	370	378	355	352	297	251
45°	97	121	121	121	98	69
55°	16	16	30	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°	17703.1	17703.1	17703.1	17703.1	17703.1
2.5°	17585.8	17573.6	17580.6	17589.3	17592.7
5°	17129.5	17113.0	17109.5	17145.1	17130.3
7.5°	16209.0	16185.6	16149.9	16230.8	16306.4
10°	14667.1	14641.1	14563.7	14601.9	14663.7
12.5°	12390.8	12306.5	12304.7	12426.4	12409.9
15°	9386.1	9273.1	9335.7	9305.3	9288.7
17.5°	6311.9	6268.4	6351.8	6326.6	6218.0
20°	4540.5	4551.8	4710.9	4630.9	4534.4
22.5°	3313.2	3354.1	3542.7	3336.7	3261.1
25°	2205.9	2289.4	2487.5	2231.1	2160.7
27.5°	1356.8	1395.0	1595.8	1339.4	1301.1
30°	844.0	824.8	919.6	789.2	735.3
32.5°	553.7	529.3	559.7	502.4	458.9
35°	370.3	378.1	354.6	352.0	297.3
37.5°	231.2	266.0	234.7	250.3	191.2
40°	149.5	193.0	166.0	183.4	140.8
42.5°	122.6	148.6	136.5	145.2	125.2
45°	97.3	120.8	120.8	120.8	98.2
47.5°	53.9	80.8	103.4	82.6	57.4
50°	30.4	40.9	80.0	42.6	32.2
52.5°	20.9	23.5	54.8	24.3	21.7
55°	15.6	16.5	29.6	17.4	16.5
57.5°	12.2	13.0	15.6	13.0	12.2
60°	9.6	9.6	11.3	10.4	9.6
62.5°	7.0	7.0	7.8	7.0	7.0
65°	5.2	5.2	5.2	5.2	5.2
67.5°	2.6	3.5	3.5	3.5	3.5
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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