

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P793730

Luminaire Tested: LER6D55D010-EC6DR3055659024-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793730
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-EC6DR3055659024-6LB DP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 4860.2 lumens
Efficiency: N/A
Efficacy: 83.5 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

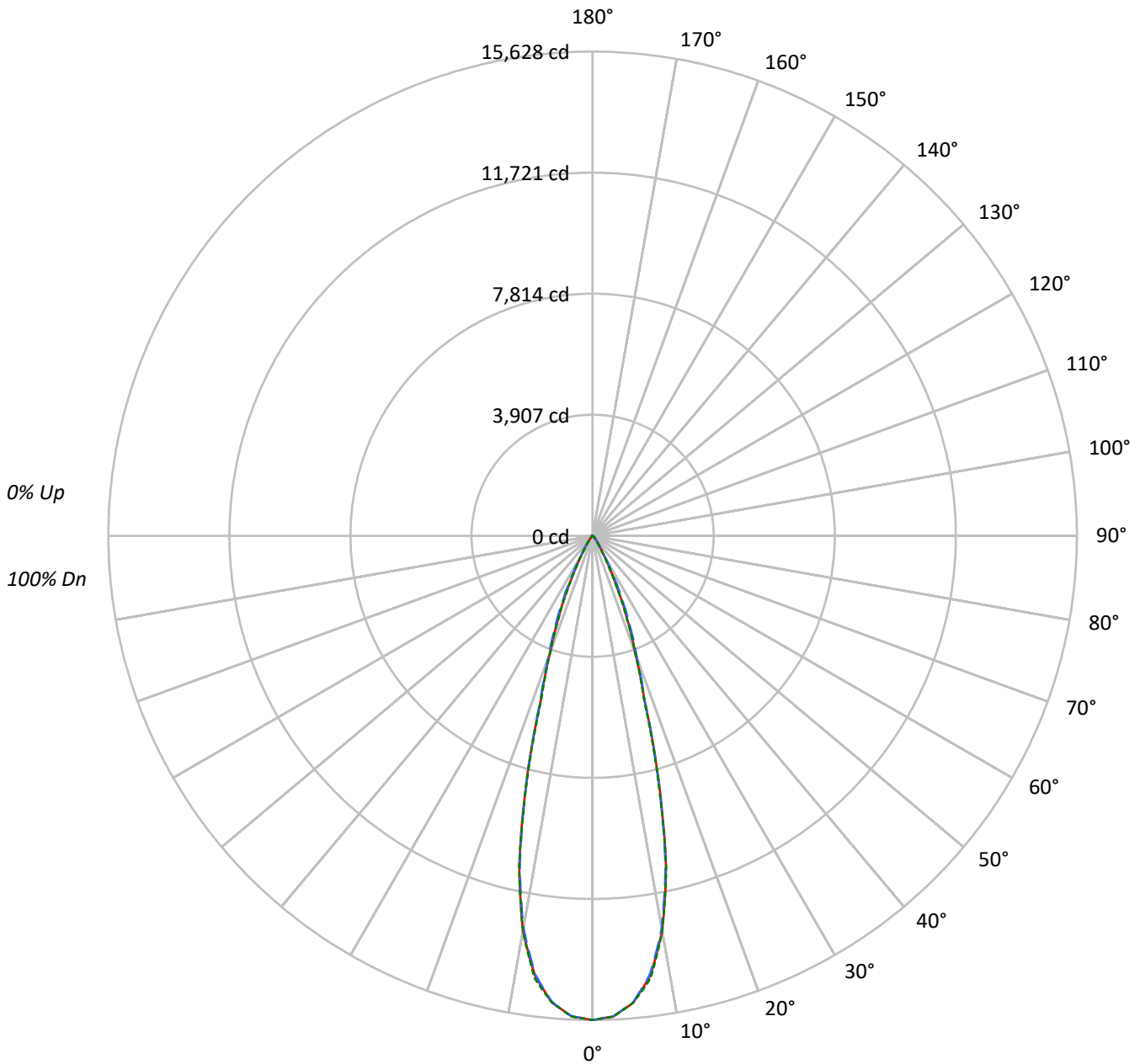


Downlight

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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	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°	1196220	1196220	1196220
5°	1161880	1160528	1161941
10°	1006365	999269	1006124
15°	656604	653078	649797
20°	326499	338750	326059
25°	164470	185466	161100
30°	65847	71751	57371
35°	30546	29257	24519
40°	13189	14648	12420
45°	9299	11550	9385
50°	3203	8407	3382
55°	1842	3483	1948
60°	1286	1531	1286
65°	833	833	833
70°	515	336	515
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 11550 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1374.2	28.3
10°-20°	2213.2	45.5
20°-30°	956.4	19.7
30°-40°	218.0	4.5
40°-50°	74.9	1.5
50°-60°	18.3	0.4
60°-70°	4.7	0.1
70°-80°	0.5	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°	4543.9	93.5
0°-40°	4761.9	98.0
0°-60°	4855.0	99.9
0°-90°	4860.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4860.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15628	15628	15628	15628	15628	
5°	15122	15107	15104	15135	15122	1375
15°	8286	8186	8241	8214	8200	2219
25°	1947	2021	2196	1970	1908	932
35°	327	334	313	311	262	222
45°	86	107	107	107	87	61
55°	14	15	26	15	15	13
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°	15628.0	15628.0	15628.0	15628.0	15628.0
2.5°	15524.4	15513.7	15519.8	15527.5	15530.6
5°	15121.6	15107.0	15104.0	15135.4	15122.4
7.5°	14309.1	14288.3	14256.9	14328.2	14395.0
10°	12947.9	12924.9	12856.6	12890.4	12944.8
12.5°	10938.4	10864.0	10862.4	10969.8	10955.3
15°	8285.9	8186.1	8241.4	8214.5	8200.0
17.5°	5572.0	5533.6	5607.3	5585.1	5489.1
20°	4008.3	4018.3	4158.7	4088.1	4002.9
22.5°	2924.9	2960.9	3127.4	2945.6	2878.8
25°	1947.4	2021.0	2196.0	1969.6	1907.5
27.5°	1197.7	1231.5	1408.7	1182.4	1148.6
30°	745.0	728.2	811.8	696.7	649.1
32.5°	488.8	467.3	494.1	443.5	405.1
35°	326.9	333.8	313.1	310.7	262.4
37.5°	204.1	234.8	207.2	221.0	168.8
40°	132.0	170.3	146.6	161.9	124.3
42.5°	108.2	131.2	120.5	128.1	110.5
45°	85.9	106.7	106.7	106.7	86.7
47.5°	47.6	71.4	91.3	72.9	50.6
50°	26.9	36.1	70.6	37.6	28.4
52.5°	18.4	20.7	48.3	21.5	19.2
55°	13.8	14.6	26.1	15.3	14.6
57.5°	10.7	11.5	13.8	11.5	10.7
60°	8.4	8.4	10.0	9.2	8.4
62.5°	6.1	6.1	6.9	6.1	6.1
65°	4.6	4.6	4.6	4.6	4.6
67.5°	2.3	3.1	3.1	3.1	3.1
70°	2.3	1.5	1.5	1.5	2.3
72.5°	1.5	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.8	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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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