

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: P794734

Luminaire Tested: LER6D65D010-EC6DR3055659050-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794734
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: LER6D65D010-EC6DR3055659050-6LBS1MW
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: 8242.8 lumens
Efficiency: N/A
Efficacy: 113.2 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): 72.8
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

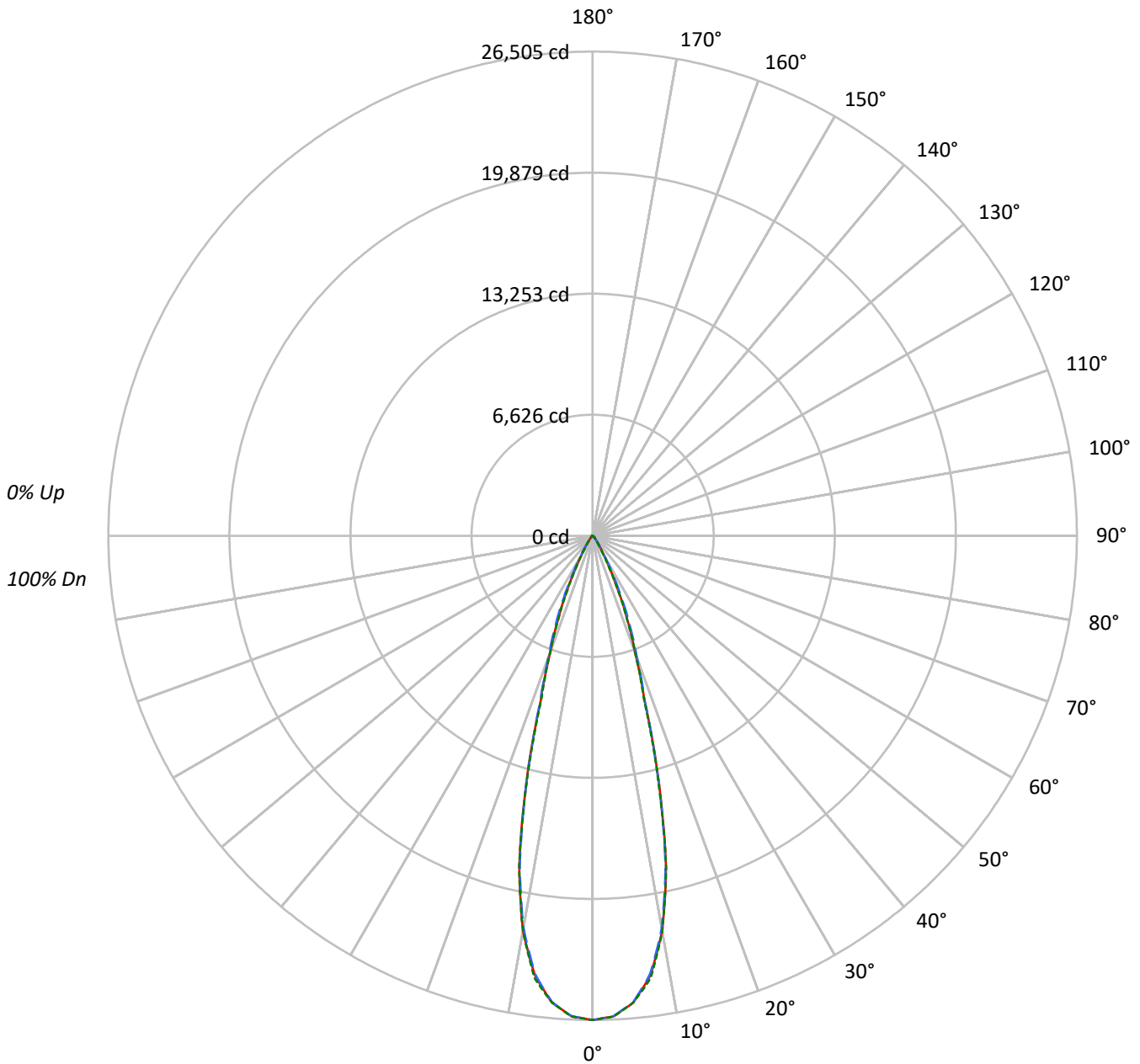


Downlight

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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°	2028767	2028767	2028767
5°	1970523	1968225	1970623
10°	1706777	1694737	1706373
15°	1113586	1107603	1102032
20°	553736	574508	552995
25°	278934	314541	273216
30°	111683	121688	97303
35°	51804	49608	41582
40°	22362	24830	21063
45°	15772	19582	15913
50°	5418	14254	5728
55°	3123	5898	3296
60°	2189	2587	2189
65°	1413	1413	1413
70°	873	582	873
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 19582 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2330.7	28.3
10°-20°	3753.6	45.5
20°-30°	1622.0	19.7
30°-40°	369.7	4.5
40°-50°	126.9	1.5
50°-60°	31.0	0.4
60°-70°	8.0	0.1
70°-80°	0.8	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°	7706.3	93.5
0°-40°	8076.0	98.0
0°-60°	8233.9	99.9
0°-90°	8242.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8242.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26505	26505	26505	26505	26505	
5°	25646	25621	25616	25669	25647	2333
15°	14053	13884	13977	13932	13907	3763
25°	3303	3428	3724	3340	3235	1581
35°	554	566	531	527	445	376
45°	146	181	181	181	147	103
55°	23	25	44	26	25	23
65°	8	8	8	8	8	8
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°	26504.8	26504.8	26504.8	26504.8	26504.8
2.5°	26329.1	26310.9	26321.3	26334.3	26339.5
5°	25645.9	25621.2	25616.0	25669.4	25647.2
7.5°	24267.9	24232.7	24179.4	24300.4	24413.6
10°	21959.4	21920.3	21804.5	21861.8	21954.2
12.5°	18551.3	18425.0	18422.4	18604.6	18579.9
15°	14052.7	13883.5	13977.2	13931.7	13906.9
17.5°	9450.0	9384.9	9509.9	9472.1	9309.5
20°	6798.0	6814.9	7053.0	6933.3	6788.9
22.5°	4960.5	5021.7	5304.1	4995.7	4882.5
25°	3302.7	3427.6	3724.3	3340.4	3235.0
27.5°	2031.3	2088.6	2389.2	2005.3	1948.0
30°	1263.6	1234.9	1376.8	1181.6	1100.9
32.5°	828.9	792.5	838.0	752.1	687.1
35°	554.4	566.1	530.9	527.0	445.0
37.5°	346.1	398.2	351.3	374.8	286.3
40°	223.8	288.9	248.5	274.6	210.8
42.5°	183.5	222.5	204.3	217.3	187.4
45°	145.7	180.9	180.9	180.9	147.0
47.5°	80.7	121.0	154.9	123.6	85.9
50°	45.5	61.2	119.7	63.8	48.1
52.5°	31.2	35.1	82.0	36.4	32.5
55°	23.4	24.7	44.2	26.0	24.7
57.5°	18.2	19.5	23.4	19.5	18.2
60°	14.3	14.3	16.9	15.6	14.3
62.5°	10.4	10.4	11.7	10.4	10.4
65°	7.8	7.8	7.8	7.8	7.8
67.5°	3.9	5.2	5.2	5.2	5.2
70°	3.9	2.6	2.6	2.6	3.9
72.5°	2.6	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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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