

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: P794254

Luminaire Tested: LER6D60D010-EC6DR3055659050-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794254
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: LER6D60D010-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: 7453.0 lumens
Efficiency: N/A
Efficacy: 115.7 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): 64.4
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

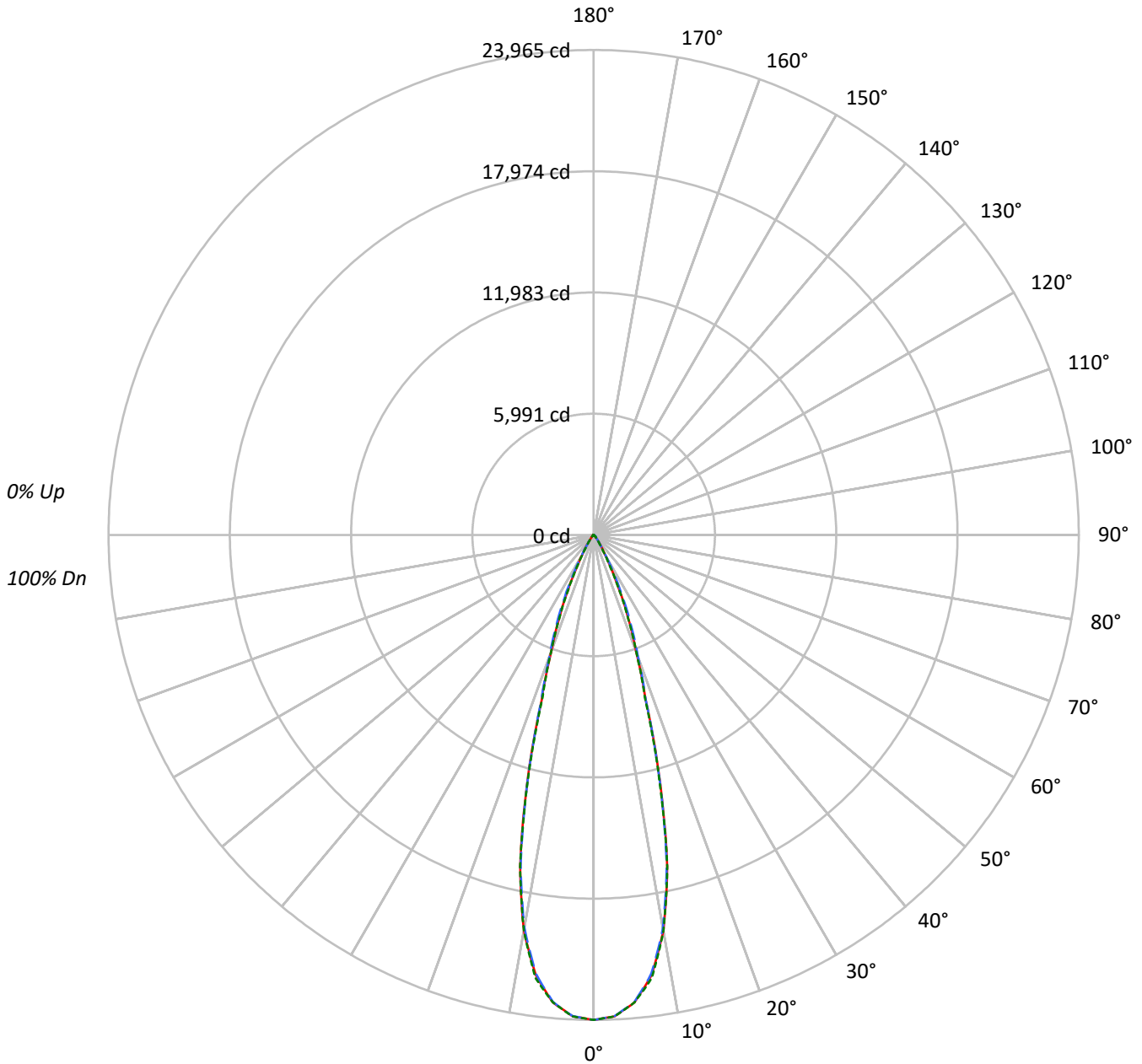


Downlight

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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°	1834355	1834355	1834355
5°	1781699	1779617	1781783
10°	1543222	1532340	1542856
15°	1006877	1001464	996432
20°	500668	519460	500000
25°	252203	284398	247035
30°	100980	110021	87978
35°	46833	44862	37601
40°	20224	22452	19045
45°	14267	17699	14397
50°	4906	12884	5180
55°	2829	5338	2989
60°	1975	2342	1975
65°	1286	1286	1286
70°	783	537	783
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 17699 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2107.4	28.3
10°-20°	3393.9	45.5
20°-30°	1466.6	19.7
30°-40°	334.3	4.5
40°-50°	114.8	1.5
50°-60°	28.0	0.4
60°-70°	7.3	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°	6967.9	93.5
0°-40°	7302.1	98.0
0°-60°	7444.9	99.9
0°-90°	7453.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7453.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23965	23965	23965	23965	23965	
5°	23188	23166	23161	23210	23190	2109
15°	12706	12553	12638	12597	12574	3402
25°	2986	3099	3367	3020	2925	1429
35°	501	512	480	476	402	340
45°	132	164	164	164	133	94
55°	21	22	40	24	22	21
65°	7	7	7	7	7	7
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°	23964.9	23964.9	23964.9	23964.9	23964.9
2.5°	23806.1	23789.6	23799.0	23810.8	23815.5
5°	23188.4	23166.0	23161.3	23209.6	23189.5
7.5°	21942.4	21910.6	21862.3	21971.8	22074.1
10°	19855.1	19819.8	19715.1	19766.8	19850.4
12.5°	16773.6	16659.4	16657.1	16821.8	16799.5
15°	12706.1	12553.1	12637.8	12596.6	12574.3
17.5°	8544.4	8485.6	8598.6	8564.4	8417.4
20°	6146.5	6161.8	6377.2	6268.9	6138.3
22.5°	4485.2	4540.5	4795.8	4517.0	4414.6
25°	2986.2	3099.2	3367.4	3020.3	2925.0
27.5°	1836.7	1888.4	2160.2	1813.1	1761.4
30°	1142.5	1116.6	1244.8	1068.4	995.4
32.5°	749.5	716.5	757.7	680.1	621.2
35°	501.2	511.8	480.1	476.5	402.4
37.5°	313.0	360.0	317.7	338.9	258.9
40°	202.4	261.2	224.7	248.3	190.6
42.5°	165.9	201.2	184.7	196.5	169.4
45°	131.8	163.5	163.5	163.5	133.0
47.5°	72.9	109.4	140.0	111.8	77.7
50°	41.2	55.3	108.2	57.7	43.5
52.5°	28.2	31.8	74.1	32.9	29.4
55°	21.2	22.4	40.0	23.5	22.4
57.5°	16.5	17.6	21.2	17.6	16.5
60°	12.9	12.9	15.3	14.1	12.9
62.5°	9.4	9.4	10.6	9.4	9.4
65°	7.1	7.1	7.1	7.1	7.1
67.5°	3.5	4.7	4.7	4.7	4.7
70°	3.5	2.4	2.4	2.4	3.5
72.5°	2.4	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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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— 0°-180° - - 45°-225° - - - - 90°-270°

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