

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: P794242

Luminaire Tested: LER6D60D010-EC6DR3055659040-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794242
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-EC6DR3055659040-6LB DP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6597.5 lumens
Efficiency: N/A
Efficacy: 102.4 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

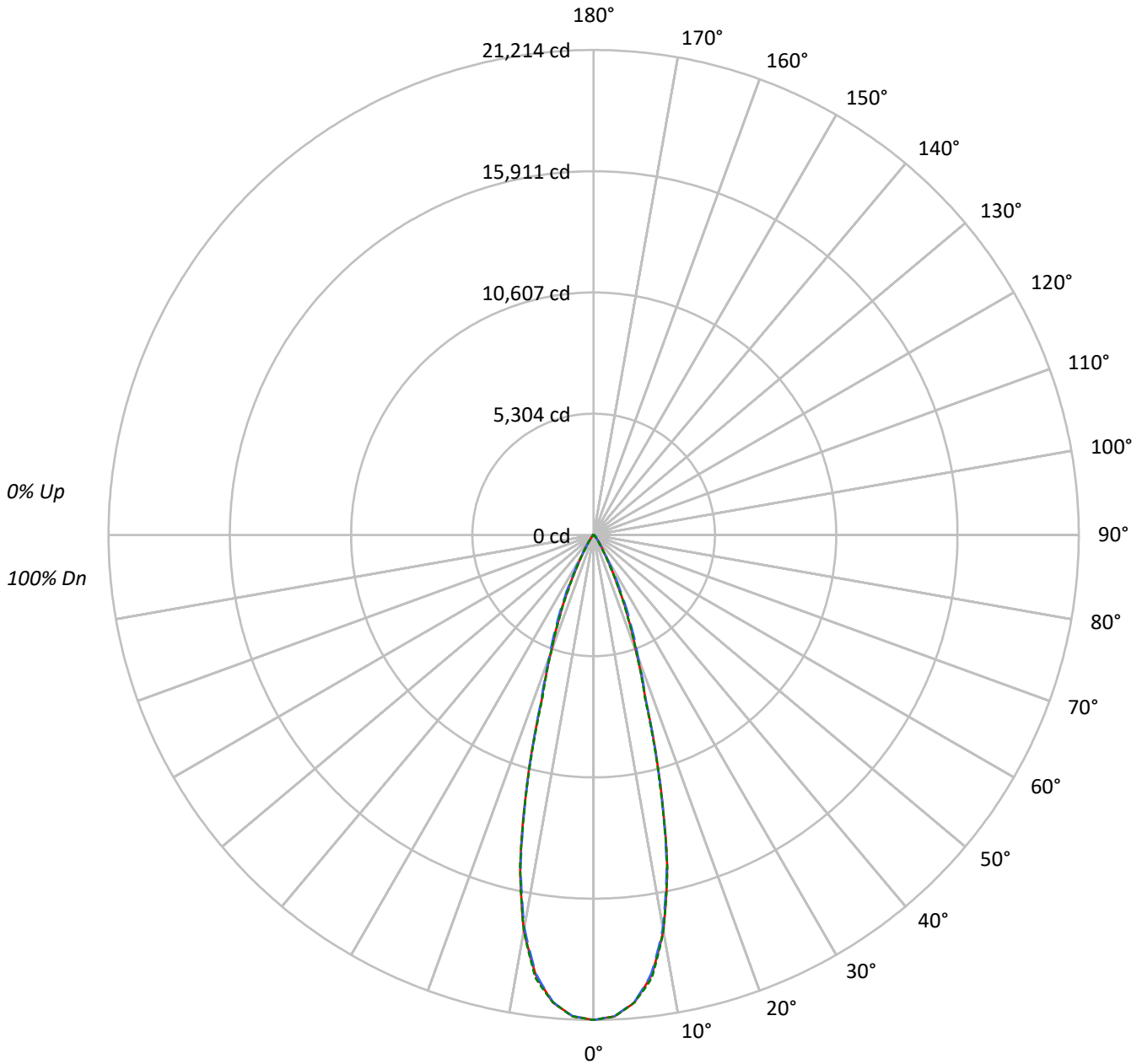
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1623799	1623799	1623799
5°	1577185	1575349	1577270
10°	1366081	1356451	1365762
15°	891300	886513	882060
20°	443201	459834	442606
25°	223252	251756	218683
30°	89383	97400	77876
35°	41460	39704	33284
40°	17896	19874	16857
45°	12633	15674	12741
50°	4346	11408	4585
55°	2496	4724	2642
60°	1760	2067	1760
65°	1123	1123	1123
70°	694	470	694
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 15674 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1865.5	28.3
10°-20°	3004.3	45.5
20°-30°	1298.3	19.7
30°-40°	295.9	4.5
40°-50°	101.6	1.5
50°-60°	24.8	0.4
60°-70°	6.4	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°	6168.1	93.5
0°-40°	6464.0	98.0
0°-60°	6590.4	99.9
0°-90°	6597.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6597.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	21214	21214	21214	21214	21214	
5°	20527	20507	20503	20546	20528	1867
15°	11248	11112	11187	11151	11131	3012
25°	2643	2743	2981	2674	2589	1265
35°	444	453	425	422	356	301
45°	117	145	145	145	118	83
55°	19	20	35	21	20	18
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°	21214.1	21214.1	21214.1	21214.1	21214.1
2.5°	21073.5	21058.9	21067.3	21077.7	21081.9
5°	20526.7	20506.9	20502.8	20545.5	20527.8
7.5°	19423.7	19395.6	19352.9	19449.8	19540.4
10°	17576.0	17544.8	17452.1	17497.9	17571.9
12.5°	14848.2	14747.2	14745.1	14890.9	14871.1
15°	11247.6	11112.2	11187.2	11150.7	11131.0
17.5°	7563.7	7511.6	7611.6	7581.4	7451.2
20°	5441.0	5454.6	5645.2	5549.3	5433.7
22.5°	3970.4	4019.3	4245.3	3998.5	3907.9
25°	2643.4	2743.4	2980.9	2673.6	2589.3
27.5°	1625.8	1671.7	1912.3	1605.0	1559.2
30°	1011.3	988.4	1102.0	945.7	881.1
32.5°	663.5	634.3	670.8	602.0	549.9
35°	443.7	453.1	424.9	421.8	356.2
37.5°	277.1	318.7	281.2	300.0	229.1
40°	179.1	231.2	198.9	219.8	168.7
42.5°	146.9	178.1	163.5	173.9	150.0
45°	116.7	144.8	144.8	144.8	117.7
47.5°	64.6	96.9	123.9	98.9	68.7
50°	36.5	49.0	95.8	51.0	38.5
52.5°	25.0	28.1	65.6	29.2	26.0
55°	18.7	19.8	35.4	20.8	19.8
57.5°	14.6	15.6	18.7	15.6	14.6
60°	11.5	11.5	13.5	12.5	11.5
62.5°	8.3	8.3	9.4	8.3	8.3
65°	6.2	6.2	6.2	6.2	6.2
67.5°	3.1	4.2	4.2	4.2	4.2
70°	3.1	2.1	2.1	2.1	3.1
72.5°	2.1	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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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