

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: P794229

Luminaire Tested: LER6D60D010-EC6DR3055659030-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794229
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-EC6DR3055659030-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7727.8 lumens
Efficiency: N/A
Efficacy: 120.0 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

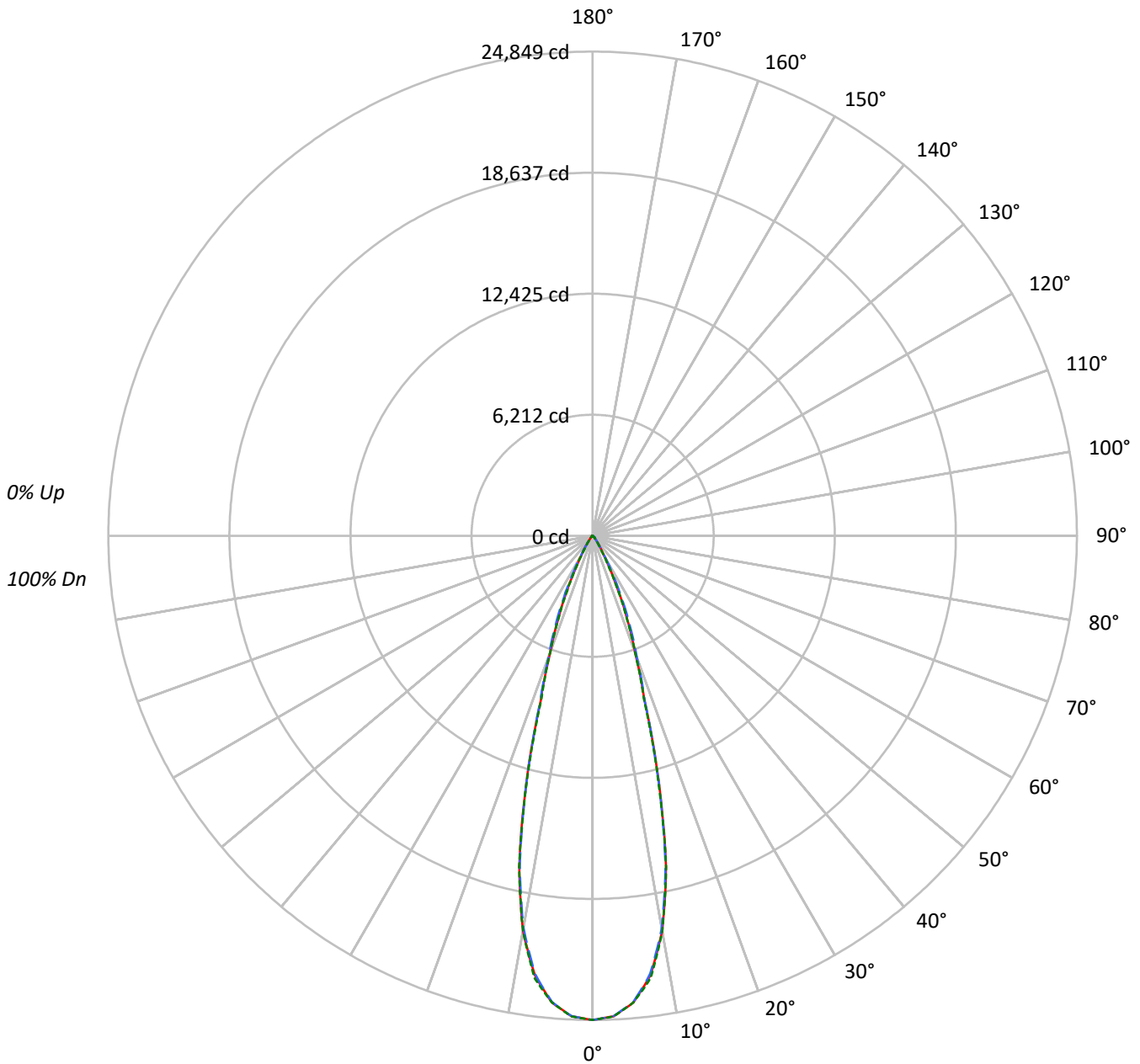
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1902004	1902004	1902004
5°	1847401	1845250	1847501
10°	1600131	1588846	1599751
15°	1044010	1038400	1033177
20°	519134	538610	518442
25°	261502	294888	256147
30°	104701	114078	91222
35°	48562	46516	38984
40°	20963	23281	19744
45°	14787	18359	14927
50°	5085	13361	5371
55°	2936	5538	3096
60°	2051	2434	2051
65°	1322	1322	1322
70°	828	537	828
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 18359 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2185.1	28.3
10°-20°	3519.1	45.5
20°-30°	1520.7	19.7
30°-40°	346.6	4.5
40°-50°	119.0	1.5
50°-60°	29.1	0.4
60°-70°	7.5	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°	7224.8	93.5
0°-40°	7571.4	98.0
0°-60°	7719.5	99.9
0°-90°	7727.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7727.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24849	24849	24849	24849	24849	
5°	24044	24020	24016	24066	24045	2187
15°	13175	13016	13104	13061	13038	3528
25°	3096	3214	3492	3132	3033	1482
35°	520	531	498	494	417	353
45°	137	170	170	170	138	97
55°	22	23	42	24	23	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°	24848.7	24848.7	24848.7	24848.7	24848.7
2.5°	24684.0	24667.0	24676.7	24688.9	24693.8
5°	24043.5	24020.4	24015.5	24065.5	24044.8
7.5°	22751.6	22718.6	22668.6	22782.1	22888.2
10°	20587.3	20550.7	20442.1	20495.8	20582.4
12.5°	17392.2	17273.8	17271.4	17442.2	17419.0
15°	13174.7	13016.1	13103.9	13061.2	13038.0
17.5°	8859.6	8798.6	8915.7	8880.3	8727.8
20°	6373.2	6389.1	6612.3	6500.1	6364.7
22.5°	4650.6	4707.9	4972.7	4683.5	4577.4
25°	3096.3	3213.5	3491.6	3131.7	3032.9
27.5°	1904.4	1958.1	2239.9	1880.0	1826.3
30°	1184.6	1157.8	1290.7	1107.7	1032.1
32.5°	777.1	743.0	785.7	705.2	644.2
35°	519.7	530.7	497.8	494.1	417.2
37.5°	324.5	373.3	329.4	351.4	268.4
40°	209.8	270.8	233.0	257.4	197.6
42.5°	172.0	208.6	191.5	203.7	175.7
45°	136.6	169.6	169.6	169.6	137.9
47.5°	75.6	113.5	145.2	115.9	80.5
50°	42.7	57.3	112.2	59.8	45.1
52.5°	29.3	32.9	76.9	34.2	30.5
55°	22.0	23.2	41.5	24.4	23.2
57.5°	17.1	18.3	22.0	18.3	17.1
60°	13.4	13.4	15.9	14.6	13.4
62.5°	9.8	9.8	11.0	9.8	9.8
65°	7.3	7.3	7.3	7.3	7.3
67.5°	3.7	4.9	4.9	4.9	4.9
70°	3.7	2.4	2.4	2.4	3.7
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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