

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: P788963

Luminaire Tested: LER6D10D010-EC6DR300210IC9030-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788963
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: LER6D10D010-EC6DR300210IC9030-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1748.3 lumens
Efficiency: N/A
Efficacy: 149.4 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

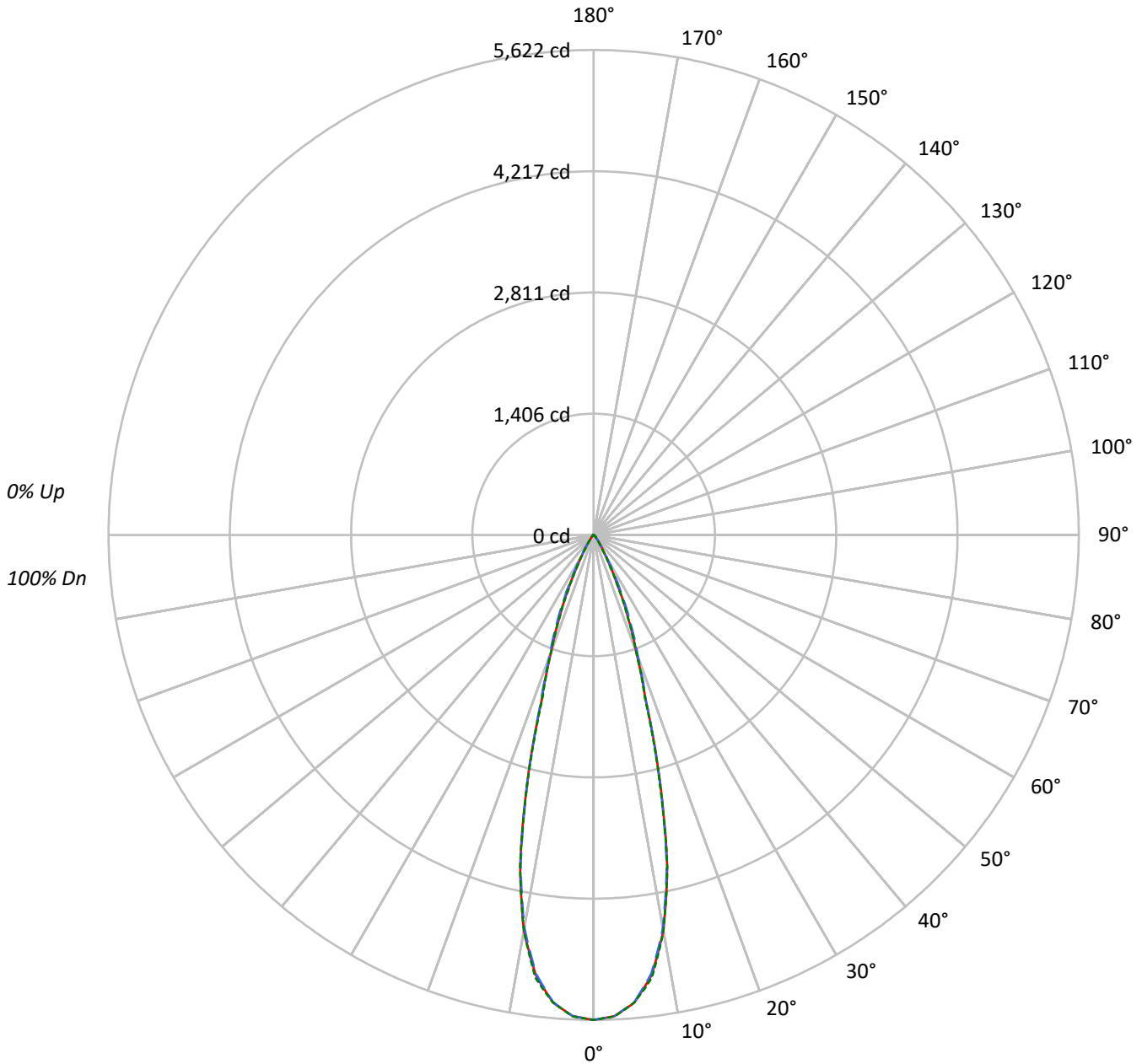
Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	430289	430289	430289
5°	417941	417449	417964
10°	362000	359443	361915
15°	236185	234918	233737
20°	117443	121850	117288
25°	59162	66712	57945
30°	23687	25808	20638
35°	10989	10522	8821
40°	4746	5266	4466
45°	3345	4157	3377
50°	1155	3025	1215
55°	667	1254	694
60°	459	551	459
65°	308	308	308
70°	179	134	179
75°	0	89	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 4157 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	494.3	28.3
10°-20°	796.1	45.5
20°-30°	344.0	19.7
30°-40°	78.4	4.5
40°-50°	26.9	1.5
50°-60°	6.6	0.4
60°-70°	1.7	0.1
70°-80°	0.2	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°	1634.5	93.5
0°-40°	1712.9	98.0
0°-60°	1746.4	99.9
0°-90°	1748.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1748.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5622	5622	5622	5622	5622	
5°	5439	5434	5433	5444	5440	495
15°	2980	2945	2964	2955	2950	798
25°	700	727	790	708	686	335
35°	118	120	113	112	94	80
45°	31	38	38	38	31	22
55°	5	5	9	6	5	5
65°	2	2	2	2	2	2
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5621.5	5621.5	5621.5	5621.5	5621.5
2.5°	5584.3	5580.4	5582.6	5585.4	5586.5
5°	5439.4	5434.1	5433.0	5444.4	5439.7
7.5°	5147.1	5139.6	5128.3	5154.0	5178.0
10°	4657.5	4649.2	4624.6	4636.8	4656.4
12.5°	3934.6	3907.9	3907.3	3946.0	3940.7
15°	2980.5	2944.6	2964.5	2954.8	2949.6
17.5°	2004.3	1990.5	2017.0	2009.0	1974.5
20°	1441.8	1445.4	1495.9	1470.5	1439.9
22.5°	1052.1	1065.1	1125.0	1059.6	1035.5
25°	700.5	727.0	789.9	708.5	686.1
27.5°	430.8	443.0	506.7	425.3	413.2
30°	268.0	261.9	292.0	250.6	233.5
32.5°	175.8	168.1	177.7	159.5	145.7
35°	117.6	120.1	112.6	111.8	94.4
37.5°	73.4	84.5	74.5	79.5	60.7
40°	47.5	61.3	52.7	58.2	44.7
42.5°	38.9	47.2	43.3	46.1	39.7
45°	30.9	38.4	38.4	38.4	31.2
47.5°	17.1	25.7	32.8	26.2	18.2
50°	9.7	13.0	25.4	13.5	10.2
52.5°	6.6	7.5	17.4	7.7	6.9
55°	5.0	5.2	9.4	5.5	5.2
57.5°	3.9	4.1	5.0	4.1	3.9
60°	3.0	3.0	3.6	3.3	3.0
62.5°	2.2	2.2	2.5	2.2	2.2
65°	1.7	1.7	1.7	1.7	1.7
67.5°	0.8	1.1	1.1	1.1	1.1
70°	0.8	0.6	0.6	0.6	0.8
72.5°	0.6	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.3	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

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

Scaled Data Report



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Scaled Data Report





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

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