

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: P790177

Luminaire Tested: LER6D20D010-EC6DR3020359024-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790177
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: LER6D20D010-EC6DR3020359024-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2994.2 lumens
Efficiency: N/A
Efficacy: 129.6 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

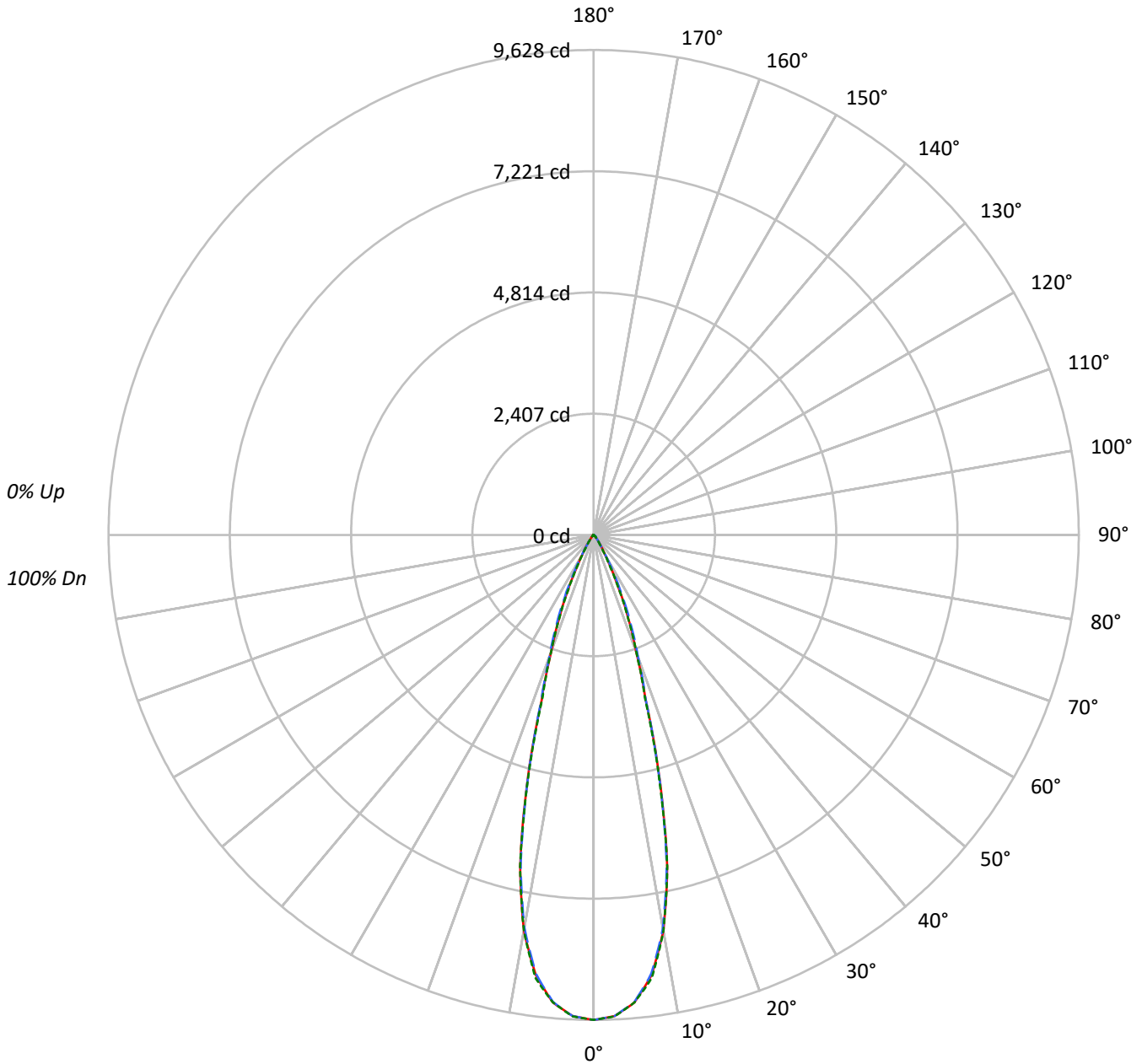
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	736937	736937	736937
5°	715779	714942	715817
10°	619975	615599	619827
15°	404499	402327	400307
20°	201139	208690	200870
25°	101322	114252	99245
30°	40569	44201	35345
35°	18819	18025	15110
40°	8124	9023	7654
45°	5726	7112	5780
50°	1965	5180	2084
55°	1134	2149	1201
60°	796	934	796
65°	507	507	507
70°	313	201	313
75°	0	148	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 7112 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	846.6	28.3
10°-20°	1363.5	45.5
20°-30°	589.2	19.7
30°-40°	134.3	4.5
40°-50°	46.1	1.5
50°-60°	11.3	0.4
60°-70°	2.9	0.1
70°-80°	0.3	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°	2799.3	93.5
0°-40°	2933.6	98.0
0°-60°	2990.9	99.9
0°-90°	2994.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2994.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9628	9628	9628	9628	9628	
5°	9316	9307	9305	9324	9316	847
15°	5104	5043	5077	5061	5052	1367
25°	1200	1245	1353	1213	1175	574
35°	201	206	193	191	162	137
45°	53	66	66	66	53	38
55°	8	9	16	10	9	8
65°	3	3	3	3	3	3
75°	0	0	0	0	0	0
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°	9627.7	9627.7	9627.7	9627.7	9627.7
2.5°	9563.9	9557.2	9561.0	9565.7	9567.6
5°	9315.7	9306.7	9304.8	9324.2	9316.2
7.5°	8815.1	8802.4	8783.0	8826.9	8868.1
10°	7976.6	7962.4	7920.3	7941.1	7974.7
12.5°	6738.6	6692.8	6691.8	6758.0	6749.0
15°	5104.5	5043.1	5077.1	5060.6	5051.6
17.5°	3432.6	3409.0	3454.4	3440.7	3381.6
20°	2469.3	2475.5	2562.0	2518.5	2466.0
22.5°	1801.9	1824.1	1926.7	1814.6	1773.5
25°	1199.7	1245.1	1352.8	1213.4	1175.1
27.5°	737.9	758.7	867.9	728.4	707.6
30°	459.0	448.6	500.1	429.2	399.9
32.5°	301.1	287.9	304.4	273.2	249.6
35°	201.4	205.6	192.9	191.4	161.7
37.5°	125.7	144.6	127.6	136.1	104.0
40°	81.3	104.9	90.3	99.7	76.6
42.5°	66.6	80.8	74.2	78.9	68.1
45°	52.9	65.7	65.7	65.7	53.4
47.5°	29.3	44.0	56.2	44.9	31.2
50°	16.5	22.2	43.5	23.2	17.5
52.5°	11.3	12.8	29.8	13.2	11.8
55°	8.5	9.0	16.1	9.5	9.0
57.5°	6.6	7.1	8.5	7.1	6.6
60°	5.2	5.2	6.1	5.7	5.2
62.5°	3.8	3.8	4.3	3.8	3.8
65°	2.8	2.8	2.8	2.8	2.8
67.5°	1.4	1.9	1.9	1.9	1.9
70°	1.4	0.9	0.9	0.9	1.4
72.5°	0.9	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.5	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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