

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: P790175

Luminaire Tested: LER6D20D010-EC6DR3020359024-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790175
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-EC6DR3020359024-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2295.8 lumens
Efficiency: N/A
Efficacy: 99.4 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

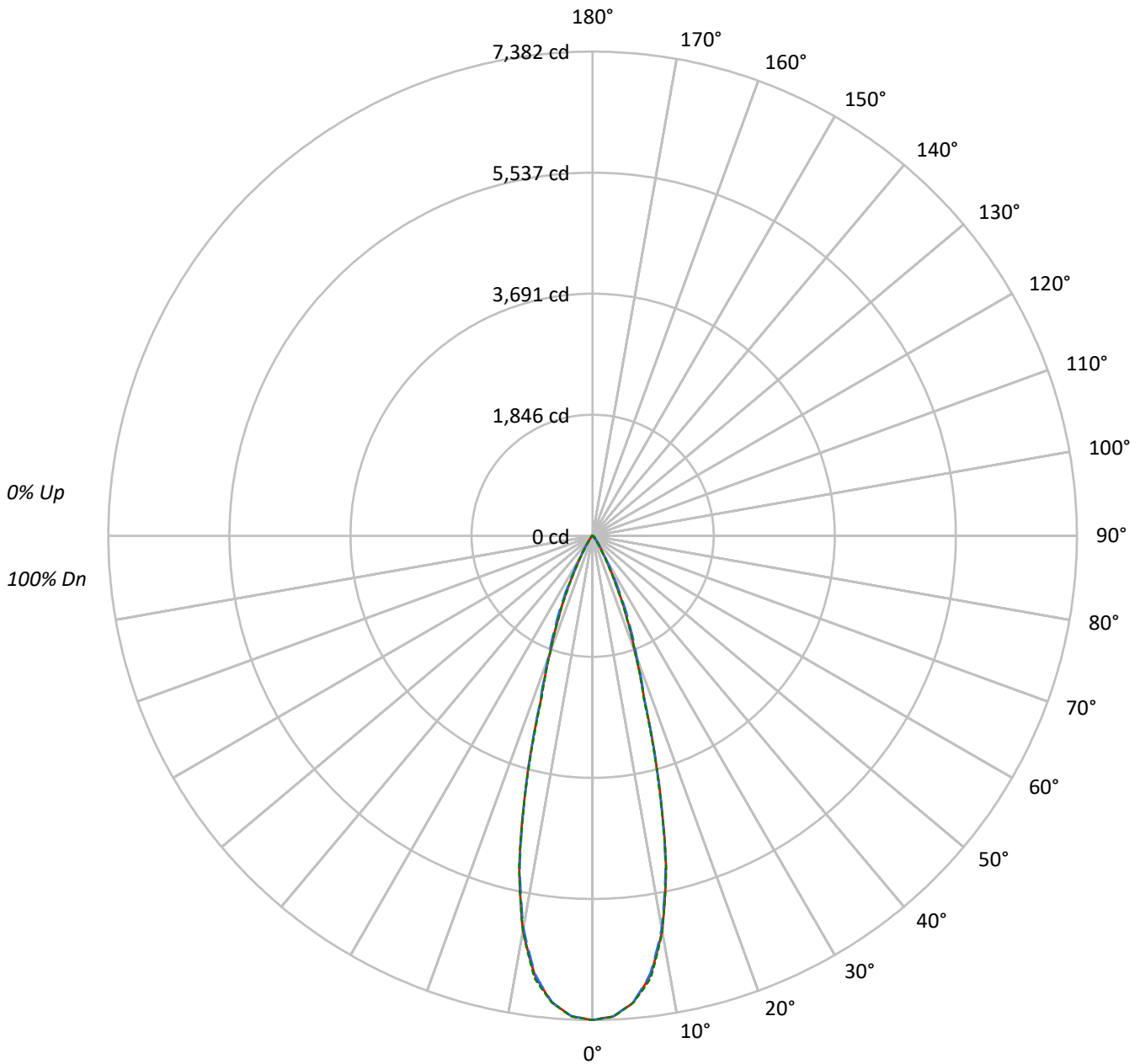
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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					70					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°	565051	565051	565051
5°	548830	548185	548853
10°	475369	472011	475252
15°	310151	308487	306934
20°	154228	160012	154017
25°	77691	87607	76095
30°	31103	33896	27099
35°	14427	13820	11587
40°	6225	6914	5865
45°	4395	5456	4438
50°	1512	3965	1596
55°	867	1641	921
60°	612	720	612
65°	398	398	398
70°	246	157	246
75°	0	118	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 5456 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	649.1	28.3
10°-20°	1045.4	45.5
20°-30°	451.8	19.7
30°-40°	103.0	4.5
40°-50°	35.4	1.5
50°-60°	8.6	0.4
60°-70°	2.2	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°	2146.4	93.5
0°-40°	2249.3	98.0
0°-60°	2293.3	99.9
0°-90°	2295.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2295.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7382	7382	7382	7382	7382	
5°	7143	7136	7134	7149	7143	650
15°	3914	3867	3893	3880	3873	1048
25°	920	955	1037	930	901	440
35°	154	158	148	147	124	105
45°	41	50	50	50	41	29
55°	6	7	12	7	7	6
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°	7382.1	7382.1	7382.1	7382.1	7382.1
2.5°	7333.1	7328.1	7331.0	7334.6	7336.0
5°	7142.9	7136.0	7134.5	7149.4	7143.2
7.5°	6759.0	6749.3	6734.4	6768.1	6799.6
10°	6116.1	6105.2	6072.9	6088.9	6114.6
12.5°	5166.9	5131.7	5131.0	5181.7	5174.8
15°	3913.9	3866.8	3892.9	3880.2	3873.3
17.5°	2632.0	2613.9	2648.7	2638.2	2592.9
20°	1893.4	1898.1	1964.4	1931.0	1890.8
22.5°	1381.6	1398.6	1477.3	1391.4	1359.9
25°	919.9	954.7	1037.3	930.4	901.0
27.5°	565.8	581.7	665.4	558.5	542.6
30°	351.9	344.0	383.5	329.1	306.6
32.5°	230.9	220.7	233.4	209.5	191.4
35°	154.4	157.7	147.9	146.8	124.0
37.5°	96.4	110.9	97.9	104.4	79.7
40°	62.3	80.5	69.2	76.5	58.7
42.5°	51.1	62.0	56.9	60.5	52.2
45°	40.6	50.4	50.4	50.4	41.0
47.5°	22.5	33.7	43.1	34.4	23.9
50°	12.7	17.0	33.3	17.8	13.4
52.5°	8.7	9.8	22.8	10.1	9.1
55°	6.5	6.9	12.3	7.2	6.9
57.5°	5.1	5.4	6.5	5.4	5.1
60°	4.0	4.0	4.7	4.3	4.0
62.5°	2.9	2.9	3.3	2.9	2.9
65°	2.2	2.2	2.2	2.2	2.2
67.5°	1.1	1.4	1.4	1.4	1.4
70°	1.1	0.7	0.7	0.7	1.1
72.5°	0.7	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.4	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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