

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: P791335

Luminaire Tested: LER6D30D010-EC6DR3020359027-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791335
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: LER6D30D010-EC6DR3020359027-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4235.3 lumens
Efficiency: N/A
Efficacy: 146.0 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

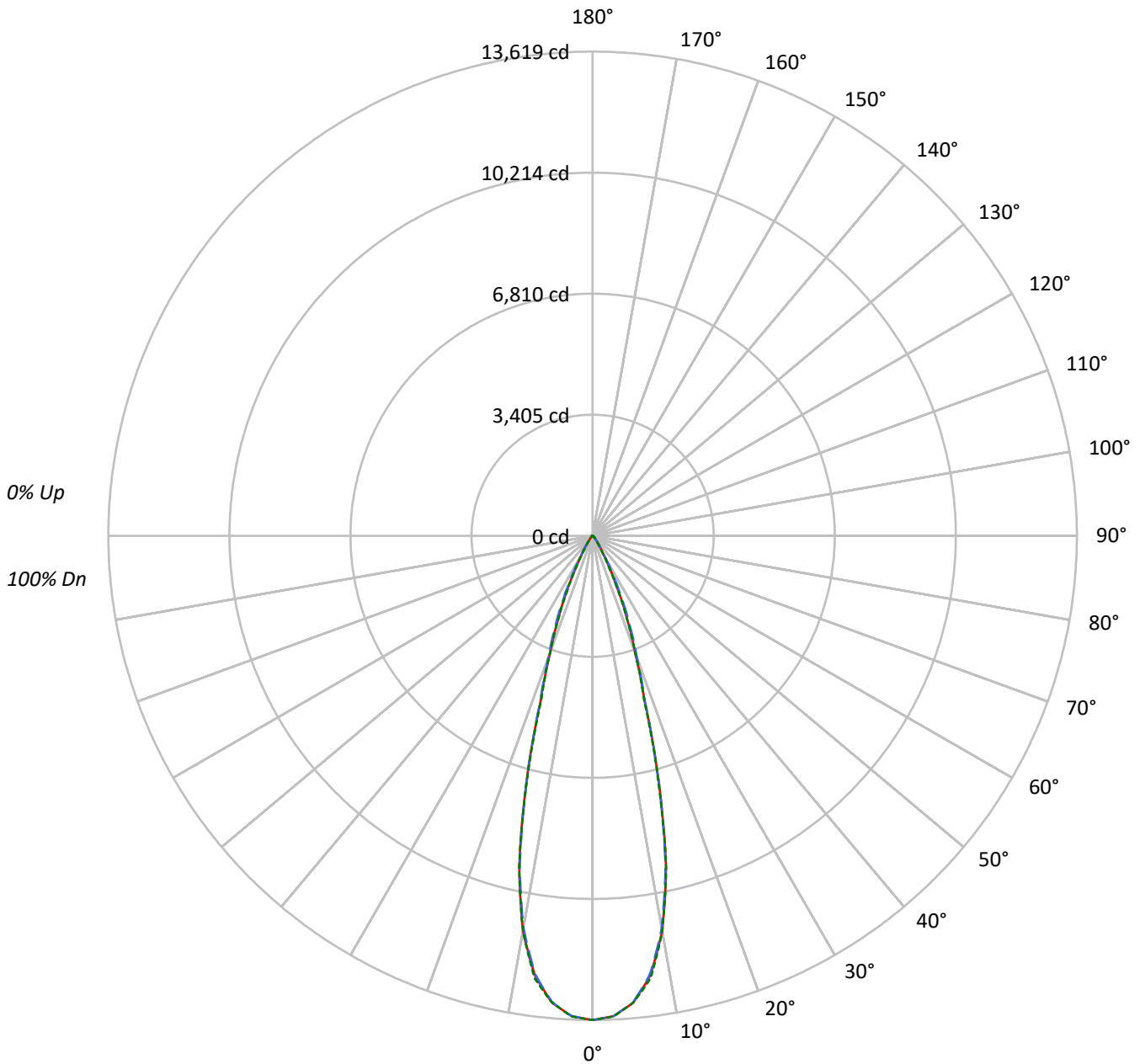
Input Watts (W): 29
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	1042414	1042414	1042414
5°	1012488	1011305	1012542
10°	876970	870783	876760
15°	572178	569103	566243
20°	284517	295196	284134
25°	143322	161616	140383
30°	57379	62523	49999
35°	26612	25491	21370
40°	11491	12760	10821
45°	8108	10056	8184
50°	2786	7323	2941
55°	1601	3029	1695
60°	1133	1332	1133
65°	724	724	724
70°	448	291	448
75°	0	207	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 10056 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1197.5	28.3
10°-20°	1928.7	45.5
20°-30°	833.4	19.7
30°-40°	190.0	4.5
40°-50°	65.2	1.5
50°-60°	15.9	0.4
60°-70°	4.1	0.1
70°-80°	0.4	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°	3959.6	93.5
0°-40°	4149.6	98.0
0°-60°	4230.7	99.9
0°-90°	4235.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4235.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13619	13619	13619	13619	13619	
5°	13177	13165	13162	13189	13178	1199
15°	7220	7134	7182	7158	7146	1933
25°	1697	1761	1914	1716	1662	812
35°	285	291	273	271	229	193
45°	75	93	93	93	76	53
55°	12	13	23	13	13	12
65°	4	4	4	4	4	4
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°	13618.6	13618.6	13618.6	13618.6	13618.6
2.5°	13528.3	13519.0	13524.3	13531.0	13533.7
5°	13177.3	13164.6	13161.9	13189.4	13178.0
7.5°	12469.2	12451.2	12423.8	12486.0	12544.1
10°	11283.1	11263.0	11203.5	11232.9	11280.4
12.5°	9532.0	9467.1	9465.8	9559.4	9546.7
15°	7220.5	7133.6	7181.7	7158.3	7145.6
17.5°	4855.6	4822.1	4886.3	4866.9	4783.4
20°	3492.9	3501.6	3624.0	3562.4	3488.2
22.5°	2548.8	2580.2	2725.3	2566.9	2508.7
25°	1697.0	1761.2	1913.6	1716.4	1662.2
27.5°	1043.7	1073.1	1227.6	1030.4	1000.9
30°	649.2	634.5	707.4	607.1	565.7
32.5°	425.9	407.2	430.6	386.5	353.0
35°	284.8	290.9	272.8	270.8	228.7
37.5°	177.9	204.6	180.5	192.6	147.1
40°	115.0	148.4	127.7	141.1	108.3
42.5°	94.3	114.3	105.0	111.7	96.3
45°	74.9	92.9	92.9	92.9	75.6
47.5°	41.5	62.2	79.6	63.5	44.1
50°	23.4	31.4	61.5	32.8	24.7
52.5°	16.0	18.1	42.1	18.7	16.7
55°	12.0	12.7	22.7	13.4	12.7
57.5°	9.4	10.0	12.0	10.0	9.4
60°	7.4	7.4	8.7	8.0	7.4
62.5°	5.3	5.3	6.0	5.3	5.3
65°	4.0	4.0	4.0	4.0	4.0
67.5°	2.0	2.7	2.7	2.7	2.7
70°	2.0	1.3	1.3	1.3	2.0
72.5°	1.3	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.7	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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