

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: P791851

Luminaire Tested: LER6D35BD010-EC6DR3020359050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791851
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: LER6D35BD010-EC6DR3020359050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3904.4 lumens
Efficiency: N/A
Efficacy: 126.8 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

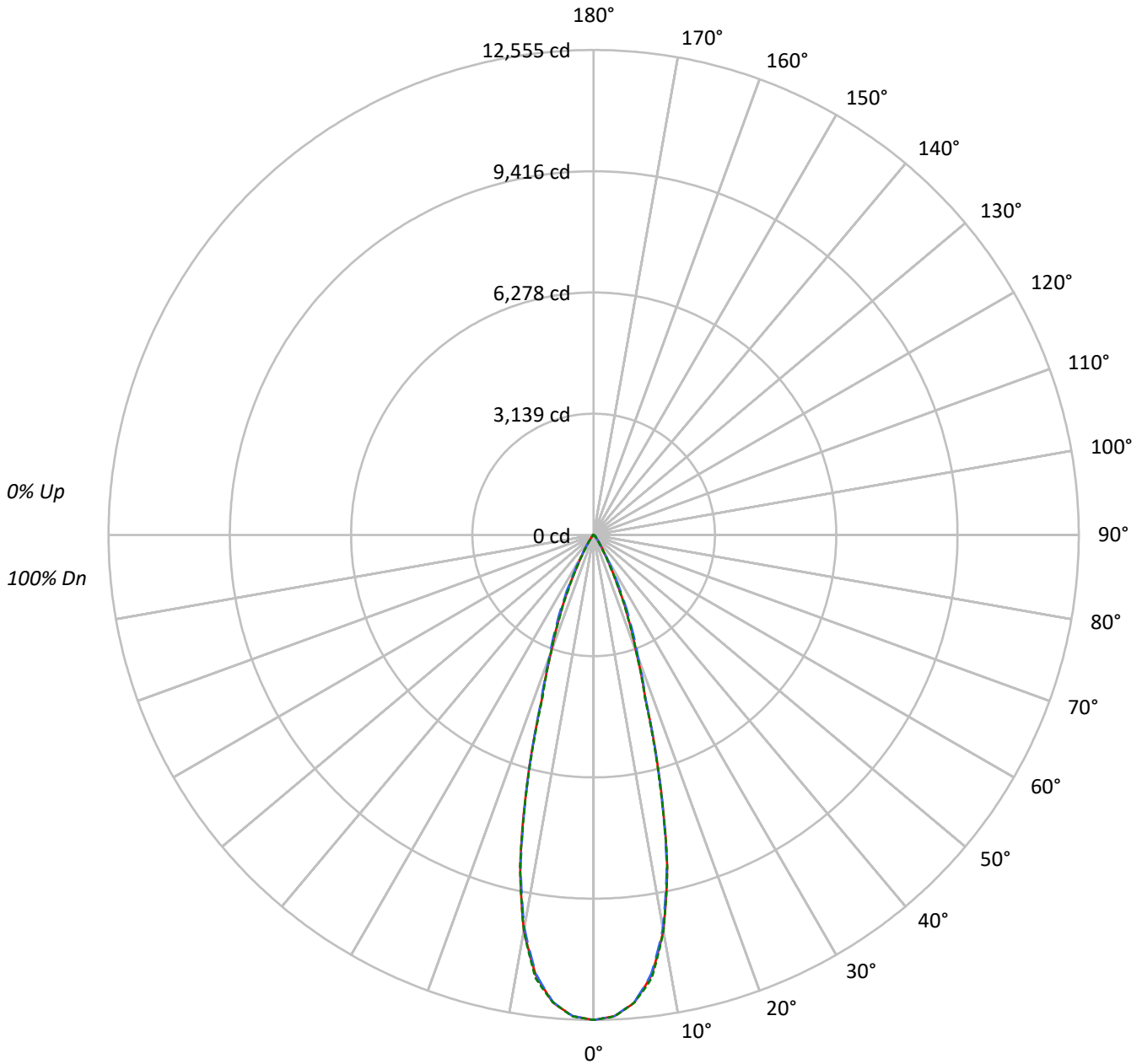
Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	960979	960979	960979
5°	933393	932302	933439
10°	808464	802759	808270
15°	527485	524648	522009
20°	262288	272136	261937
25°	132123	148989	129421
30°	52898	57636	46093
35°	24538	23501	19698
40°	10592	11761	9982
45°	7469	9277	7545
50°	2572	6752	2715
55°	1481	2802	1561
60°	1041	1225	1041
65°	670	670	670
70°	403	269	403
75°	0	177	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 9277 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1104.0	28.3
10°-20°	1778.0	45.5
20°-30°	768.3	19.7
30°-40°	175.1	4.5
40°-50°	60.1	1.5
50°-60°	14.7	0.4
60°-70°	3.8	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°	3650.3	93.5
0°-40°	3825.4	98.0
0°-60°	3900.2	99.9
0°-90°	3904.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3904.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12555	12555	12555	12555	12555	
5°	12148	12136	12134	12159	12148	1105
15°	6656	6576	6621	6599	6587	1782
25°	1564	1624	1764	1582	1532	749
35°	263	268	252	250	211	178
45°	69	86	86	86	70	49
55°	11	12	21	12	12	11
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°	12554.7	12554.7	12554.7	12554.7	12554.7
2.5°	12471.5	12462.9	12467.8	12474.0	12476.5
5°	12147.9	12136.2	12133.7	12159.0	12148.5
7.5°	11495.2	11478.5	11453.2	11510.6	11564.2
10°	10401.7	10383.2	10328.3	10355.4	10399.2
12.5°	8787.3	8727.5	8726.3	8812.6	8800.9
15°	6656.5	6576.3	6620.7	6599.1	6587.4
17.5°	4476.3	4445.4	4504.6	4486.7	4409.7
20°	3220.0	3228.1	3340.9	3284.2	3215.7
22.5°	2349.7	2378.7	2512.4	2366.3	2312.7
25°	1564.4	1623.6	1764.1	1582.3	1532.4
27.5°	962.2	989.3	1131.7	949.9	922.7
30°	598.5	585.0	652.1	559.7	521.5
32.5°	392.6	375.4	397.0	356.3	325.5
35°	262.6	268.1	251.5	249.6	210.8
37.5°	164.0	188.6	166.4	177.5	135.6
40°	106.0	136.8	117.7	130.1	99.9
42.5°	86.9	105.4	96.8	102.9	88.8
45°	69.0	85.7	85.7	85.7	69.7
47.5°	38.2	57.3	73.4	58.6	40.7
50°	21.6	29.0	56.7	30.2	22.8
52.5°	14.8	16.6	38.8	17.3	15.4
55°	11.1	11.7	21.0	12.3	11.7
57.5°	8.6	9.2	11.1	9.2	8.6
60°	6.8	6.8	8.0	7.4	6.8
62.5°	4.9	4.9	5.5	4.9	4.9
65°	3.7	3.7	3.7	3.7	3.7
67.5°	1.8	2.5	2.5	2.5	2.5
70°	1.8	1.2	1.2	1.2	1.8
72.5°	1.2	0.6	0.6	0.6	0.6
75°	0.0	0.0	0.6	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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