

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: P791835

Luminaire Tested: LER6D35BD010-EC6DR3020359035-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791835
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-EC6DR3020359035-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3703.6 lumens
Efficiency: N/A
Efficacy: 120.2 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

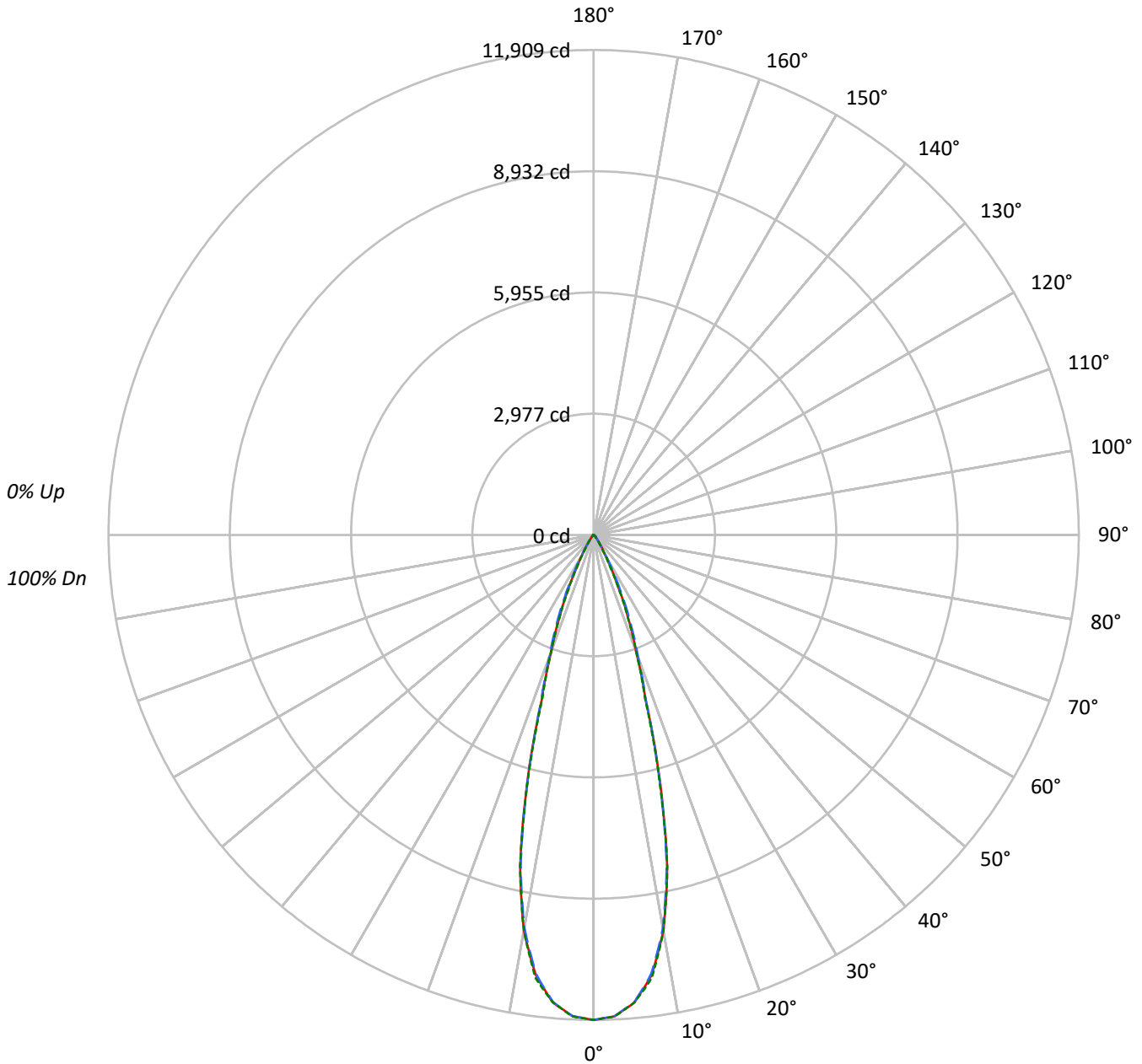
Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	911548	911548	911548
5°	885379	884349	885425
10°	766874	761464	766695
15°	500352	497657	495161
20°	248799	258133	248465
25°	125325	141329	122757
30°	50176	54675	43715
35°	23276	22295	18688
40°	10052	11161	9462
45°	7090	8801	7155
50°	2441	6407	2572
55°	1401	2656	1481
60°	980	1163	980
65°	634	634	634
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: 8801 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1047.2	28.3
10°-20°	1686.5	45.5
20°-30°	728.8	19.7
30°-40°	166.1	4.5
40°-50°	57.0	1.5
50°-60°	13.9	0.4
60°-70°	3.6	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°	3462.6	93.5
0°-40°	3628.7	98.0
0°-60°	3699.6	99.9
0°-90°	3703.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3703.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11909	11909	11909	11909	11909	
5°	11523	11512	11510	11534	11524	1048
15°	6314	6238	6280	6260	6249	1691
25°	1484	1540	1673	1501	1454	710
35°	249	254	239	237	200	169
45°	66	81	81	81	66	46
55°	10	11	20	12	11	10
65°	4	4	4	4	4	3
75°	0	0	1	0	0	1
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°	11908.9	11908.9	11908.9	11908.9	11908.9
2.5°	11830.0	11821.8	11826.5	11832.3	11834.7
5°	11523.0	11511.9	11509.6	11533.6	11523.6
7.5°	10903.9	10888.1	10864.1	10918.5	10969.3
10°	9866.6	9849.1	9797.0	9822.8	9864.3
12.5°	8335.3	8278.6	8277.4	8359.3	8348.2
15°	6314.1	6238.0	6280.1	6259.7	6248.6
17.5°	4246.0	4216.8	4272.9	4255.9	4182.9
20°	3054.4	3062.0	3169.0	3115.2	3050.3
22.5°	2228.8	2256.3	2383.2	2244.6	2193.8
25°	1483.9	1540.1	1673.4	1500.9	1453.5
27.5°	912.7	938.4	1073.5	901.0	875.3
30°	567.7	554.9	618.6	530.9	494.6
32.5°	372.4	356.1	376.5	337.9	308.7
35°	249.1	254.3	238.6	236.8	200.0
37.5°	155.5	178.9	157.9	168.4	128.6
40°	100.6	129.8	111.7	123.4	94.7
42.5°	82.4	100.0	91.8	97.6	84.2
45°	65.5	81.3	81.3	81.3	66.1
47.5°	36.3	54.4	69.6	55.5	38.6
50°	20.5	27.5	53.8	28.6	21.6
52.5°	14.0	15.8	36.8	16.4	14.6
55°	10.5	11.1	19.9	11.7	11.1
57.5°	8.2	8.8	10.5	8.8	8.2
60°	6.4	6.4	7.6	7.0	6.4
62.5°	4.7	4.7	5.3	4.7	4.7
65°	3.5	3.5	3.5	3.5	3.5
67.5°	1.8	2.3	2.3	2.3	2.3
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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