

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: P791847

Luminaire Tested: LER6D35BD010-EC6DR3020359050-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791847
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-EC6DR3020359050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 3185.1 lumens
Efficiency: N/A
Efficacy: 103.4 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): 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

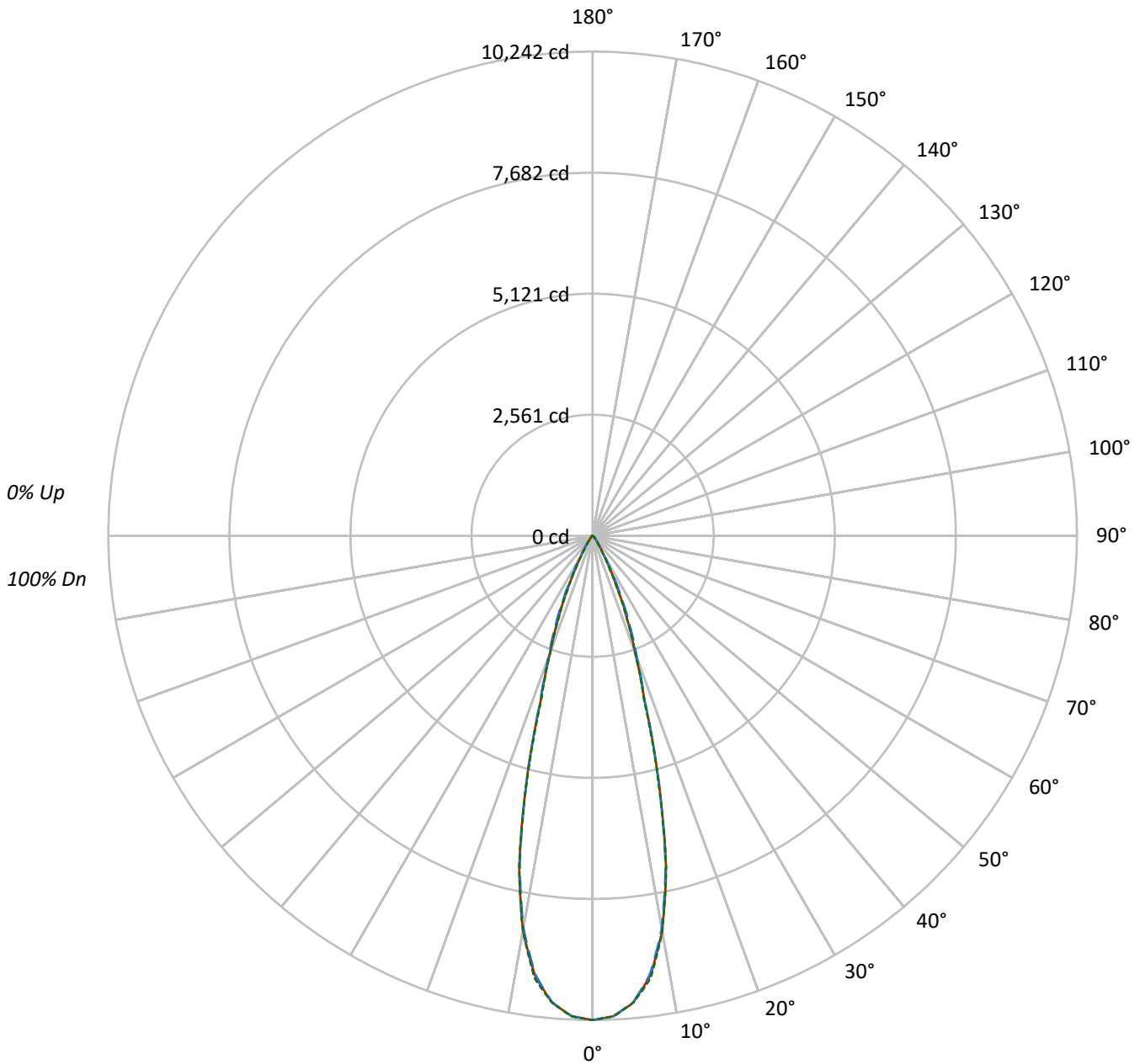


Downlight

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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	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°	783927	783927	783927
5°	761427	760536	761466
10°	659513	654857	659350
15°	430300	427987	425831
20°	213968	221991	213683
25°	107783	121541	105570
30°	43149	47021	37599
35°	20015	19174	16072
40°	8643	9592	8144
45°	6094	7567	6149
50°	2096	5513	2215
55°	1214	2282	1281
60°	842	995	842
65°	543	543	543
70°	336	224	336
75°	0	148	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 7567 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	900.6	28.3
10°-20°	1450.4	45.5
20°-30°	626.8	19.7
30°-40°	142.9	4.5
40°-50°	49.1	1.5
50°-60°	12.0	0.4
60°-70°	3.1	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°	2977.8	93.5
0°-40°	3120.6	98.0
0°-60°	3181.7	99.9
0°-90°	3185.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3185.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10242	10242	10242	10242	10242	
5°	9910	9900	9898	9919	9910	901
15°	5430	5365	5401	5383	5374	1454
25°	1276	1324	1439	1291	1250	611
35°	214	219	205	204	172	145
45°	56	70	70	70	57	40
55°	9	10	17	10	10	9
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°	10241.6	10241.6	10241.6	10241.6	10241.6
2.5°	10173.8	10166.7	10170.7	10175.8	10177.8
5°	9909.8	9900.2	9898.2	9918.8	9910.3
7.5°	9377.3	9363.7	9343.1	9389.8	9433.6
10°	8485.3	8470.2	8425.4	8447.5	8483.2
12.5°	7168.3	7119.6	7118.6	7189.0	7179.4
15°	5430.1	5364.7	5400.9	5383.3	5373.7
17.5°	3651.6	3626.4	3674.7	3660.1	3597.2
20°	2626.8	2633.3	2725.3	2679.1	2623.3
22.5°	1916.8	1940.4	2049.5	1930.4	1886.6
25°	1276.2	1324.5	1439.1	1290.8	1250.0
27.5°	784.9	807.0	923.2	774.9	752.7
30°	488.2	477.2	532.0	456.6	425.4
32.5°	320.3	306.2	323.8	290.6	265.5
35°	214.2	218.7	205.2	203.6	172.0
37.5°	133.8	153.9	135.8	144.8	110.6
40°	86.5	111.6	96.0	106.1	81.5
42.5°	70.9	86.0	78.9	84.0	72.4
45°	56.3	69.9	69.9	69.9	56.8
47.5°	31.2	46.8	59.8	47.8	33.2
50°	17.6	23.6	46.3	24.6	18.6
52.5°	12.1	13.6	31.7	14.1	12.6
55°	9.1	9.6	17.1	10.1	9.6
57.5°	7.0	7.5	9.1	7.5	7.0
60°	5.5	5.5	6.5	6.0	5.5
62.5°	4.0	4.0	4.5	4.0	4.0
65°	3.0	3.0	3.0	3.0	3.0
67.5°	1.5	2.0	2.0	2.0	2.0
70°	1.5	1.0	1.0	1.0	1.5
72.5°	1.0	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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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