

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: P791808

Luminaire Tested: LER6D35BD010-EC6DR3020359024-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791808
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-EC6DR3020359024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3182.1 lumens
Efficiency: N/A
Efficacy: 103.3 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

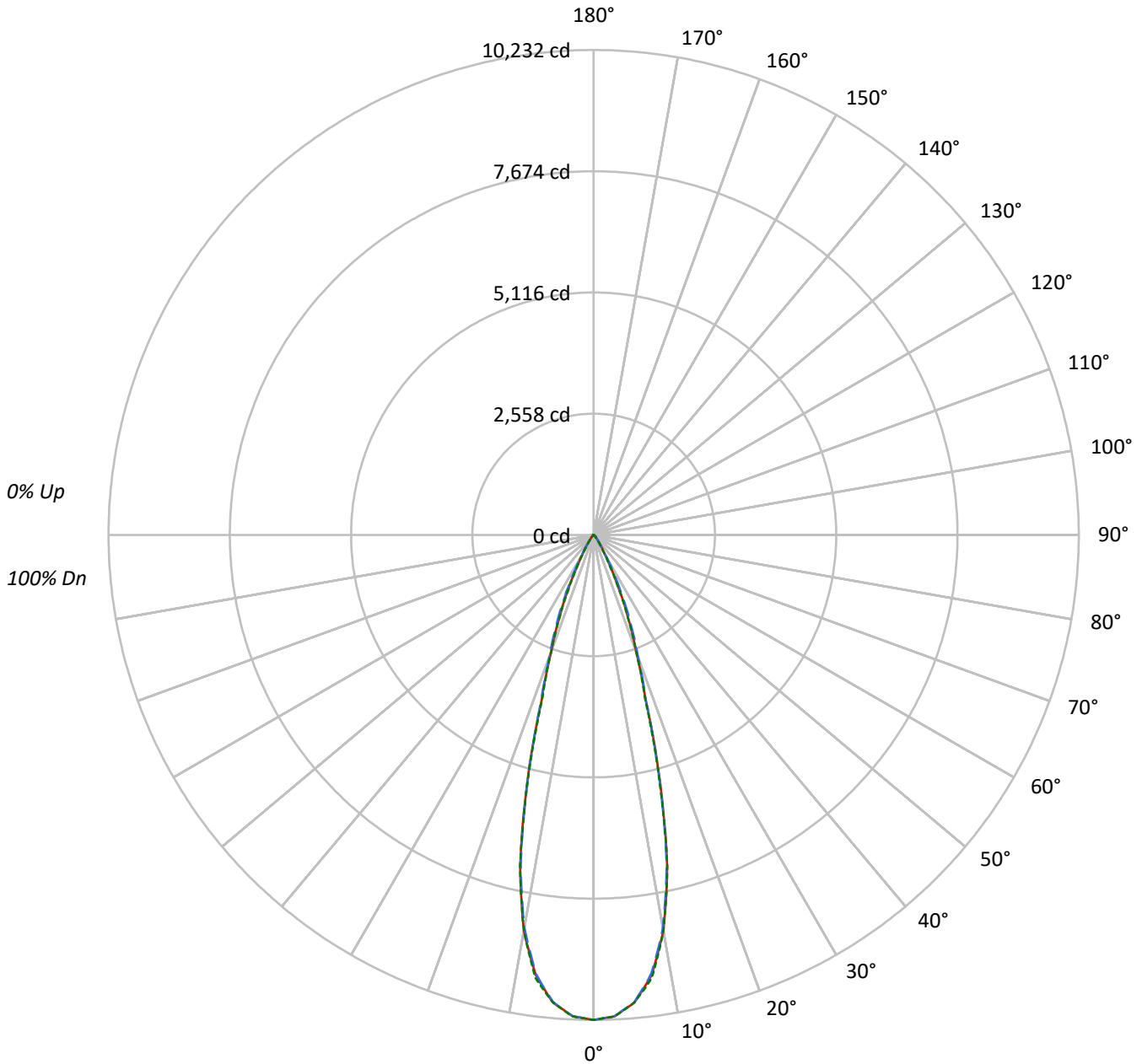


Downlight

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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						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	783192	783192	783192
5°	760713	759821	760751
10°	658891	654243	658736
15°	429896	427582	425435
20°	213764	221788	213479
25°	107682	121431	105477
30°	43114	46976	37563
35°	19997	19156	16053
40°	8633	9592	8134
45°	6094	7556	6149
50°	2096	5502	2215
55°	1201	2282	1268
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: 7556 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	899.8	28.3
10°-20°	1449.1	45.5
20°-30°	626.2	19.7
30°-40°	142.7	4.5
40°-50°	49.0	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°	2975.0	93.5
0°-40°	3117.7	98.0
0°-60°	3178.7	99.9
0°-90°	3182.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3182.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10232	10232	10232	10232	10232	
5°	9900	9891	9889	9910	9901	900
15°	5425	5360	5396	5378	5369	1453
25°	1275	1323	1438	1290	1249	610
35°	214	218	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°	10232.0	10232.0	10232.0	10232.0	10232.0
2.5°	10164.2	10157.2	10161.2	10166.2	10168.2
5°	9900.5	9890.9	9888.9	9909.5	9901.0
7.5°	9368.5	9354.9	9334.3	9381.1	9424.8
10°	8477.3	8462.2	8417.5	8439.6	8475.3
12.5°	7161.6	7112.9	7111.9	7182.2	7172.7
15°	5425.0	5359.7	5395.8	5378.3	5368.7
17.5°	3648.1	3623.0	3671.2	3656.7	3593.9
20°	2624.3	2630.9	2722.8	2676.6	2620.8
22.5°	1915.0	1938.6	2047.6	1928.6	1884.9
25°	1275.0	1323.2	1437.8	1289.6	1248.9
27.5°	784.2	806.3	922.3	774.1	752.0
30°	487.8	476.7	531.5	456.1	425.0
32.5°	320.0	305.9	323.5	290.4	265.2
35°	214.0	218.5	205.0	203.5	171.8
37.5°	133.6	153.7	135.6	144.7	110.5
40°	86.4	111.5	96.0	106.0	81.4
42.5°	70.8	85.9	78.9	83.9	72.3
45°	56.3	69.8	69.8	69.8	56.8
47.5°	31.1	46.7	59.8	47.7	33.2
50°	17.6	23.6	46.2	24.6	18.6
52.5°	12.1	13.6	31.6	14.1	12.6
55°	9.0	9.5	17.1	10.0	9.5
57.5°	7.0	7.5	9.0	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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(END OF REPORT)