

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: P791838

Luminaire Tested: LER6D35BD010-EC6DR3020359035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791838
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-EC6DR3020359035-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3754.9 lumens
Efficiency: N/A
Efficacy: 121.9 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

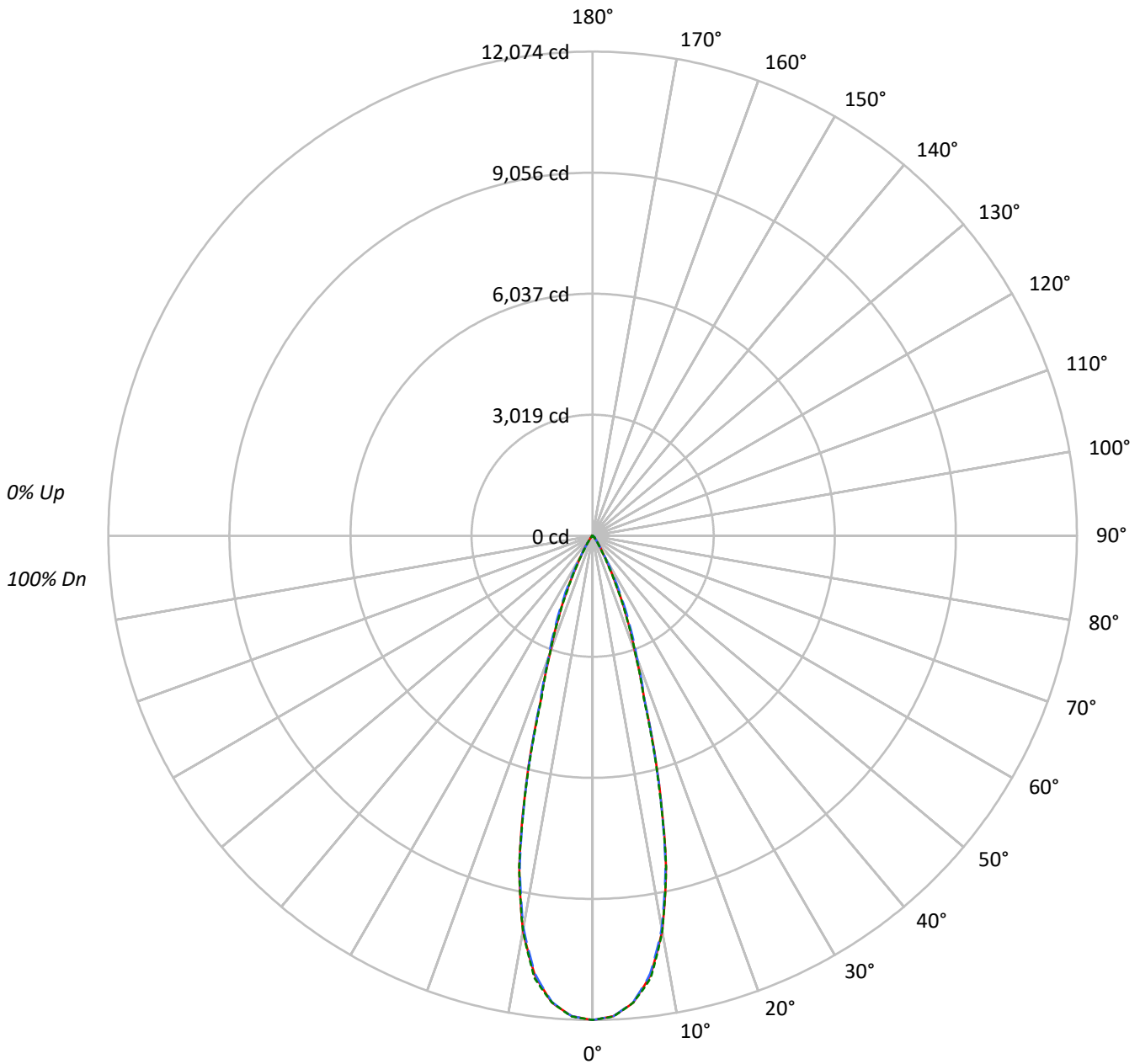


Downlight

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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°	924162	924162	924162
5°	897634	896581	897680
10°	777483	772003	777304
15°	507270	504544	502008
20°	252244	261709	251902
25°	127064	143280	124455
30°	50874	55435	44325
35°	23594	22604	18941
40°	10192	11311	9592
45°	7188	8920	7253
50°	2465	6490	2608
55°	1428	2696	1508
60°	995	1179	995
65°	652	652	652
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: 8920 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1061.7	28.3
10°-20°	1709.9	45.5
20°-30°	738.9	19.7
30°-40°	168.4	4.5
40°-50°	57.8	1.5
50°-60°	14.1	0.4
60°-70°	3.7	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°	3510.5	93.5
0°-40°	3678.9	98.0
0°-60°	3750.8	99.9
0°-90°	3754.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3754.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12074	12074	12074	12074	12074	
5°	11682	11671	11669	11693	11683	1063
15°	6401	6324	6367	6346	6335	1714
25°	1504	1561	1696	1522	1474	720
35°	252	258	242	240	203	171
45°	66	82	82	82	67	47
55°	11	11	20	12	11	10
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°	12073.7	12073.7	12073.7	12073.7	12073.7
2.5°	11993.7	11985.4	11990.1	11996.1	11998.4
5°	11682.5	11671.2	11668.8	11693.1	11683.1
7.5°	11054.7	11038.7	11014.4	11069.5	11121.1
10°	10003.1	9985.4	9932.6	9958.7	10000.8
12.5°	8450.6	8393.1	8392.0	8475.0	8463.7
15°	6401.4	6324.4	6367.0	6346.3	6335.0
17.5°	4304.8	4275.1	4332.0	4314.8	4240.7
20°	3096.7	3104.4	3212.9	3158.3	3092.5
22.5°	2259.7	2287.5	2416.2	2275.7	2224.1
25°	1504.5	1561.4	1696.5	1521.7	1473.6
27.5°	925.3	951.4	1088.3	913.5	887.4
30°	575.6	562.5	627.2	538.2	501.5
32.5°	377.6	361.0	381.7	342.6	313.0
35°	252.5	257.9	241.9	240.1	202.7
37.5°	157.7	181.4	160.1	170.7	130.4
40°	102.0	131.6	113.2	125.1	96.0
42.5°	83.6	101.4	93.1	99.0	85.4
45°	66.4	82.4	82.4	82.4	67.0
47.5°	36.8	55.1	70.5	56.3	39.1
50°	20.7	27.9	54.5	29.0	21.9
52.5°	14.2	16.0	37.3	16.6	14.8
55°	10.7	11.3	20.2	11.9	11.3
57.5°	8.3	8.9	10.7	8.9	8.3
60°	6.5	6.5	7.7	7.1	6.5
62.5°	4.7	4.7	5.3	4.7	4.7
65°	3.6	3.6	3.6	3.6	3.6
67.5°	1.8	2.4	2.4	2.4	2.4
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



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Scaled Data Report





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

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(END OF REPORT)