

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: P791828

Luminaire Tested: LER6D35BD010-EC6DR3020359030-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791828
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-EC6DR3020359030-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3909.0 lumens
Efficiency: N/A
Efficacy: 126.9 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

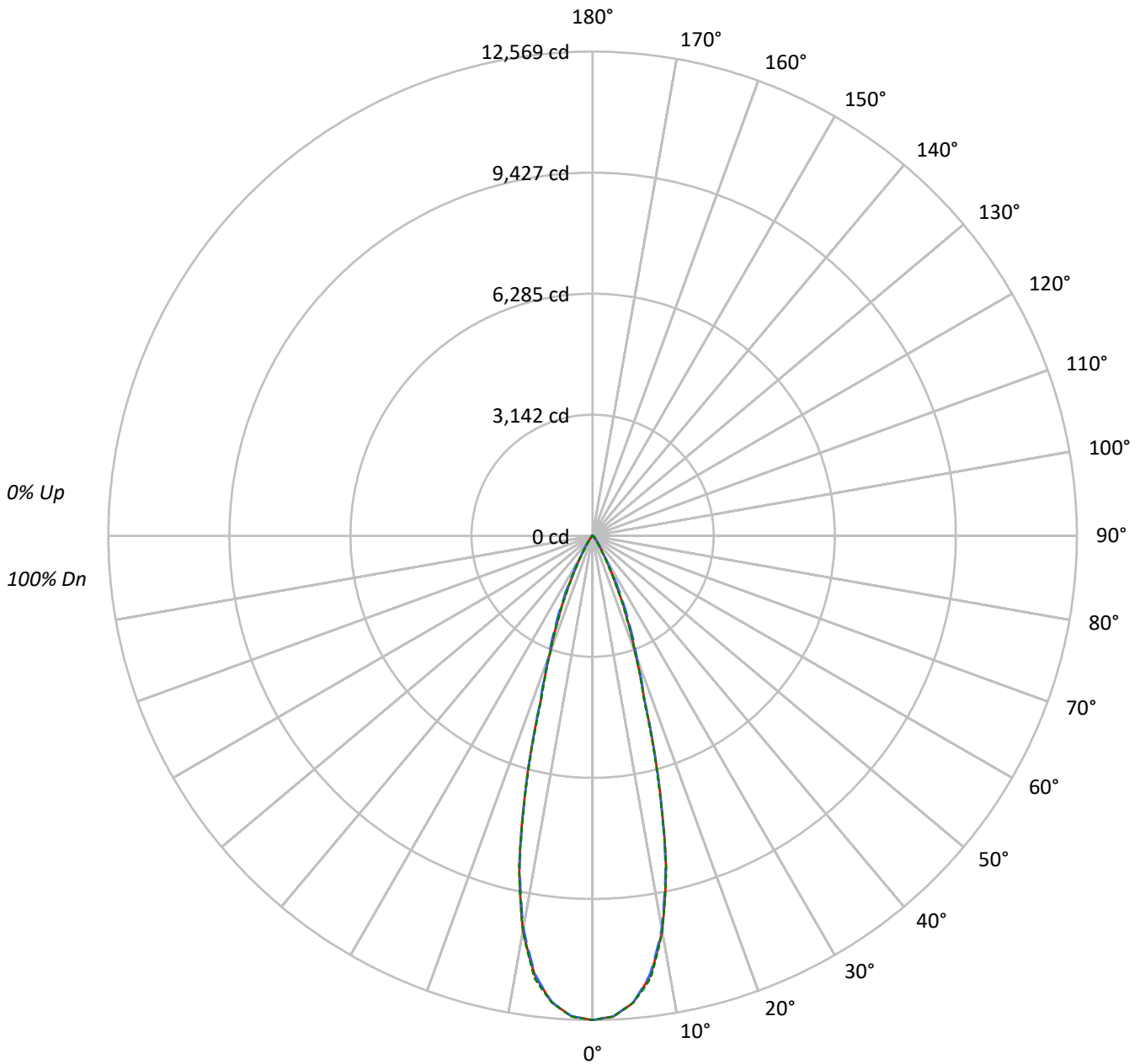


Downlight

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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°	962105	962105	962105
5°	934484	933393	934531
10°	809404	803699	809210
15°	528095	525258	522619
20°	262597	272453	262247
25°	132275	149167	129564
30°	52960	57706	46146
35°	24566	23529	19726
40°	10602	11781	9992
45°	7480	9288	7545
50°	2572	6764	2715
55°	1481	2802	1561
60°	1041	1225	1041
65°	670	670	670
70°	425	269	425
75°	0	177	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 9288 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1105.3	28.3
10°-20°	1780.1	45.5
20°-30°	769.2	19.7
30°-40°	175.3	4.5
40°-50°	60.2	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°	3654.6	93.5
0°-40°	3829.9	98.0
0°-60°	3904.8	99.9
0°-90°	3909.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3909.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12569	12569	12569	12569	12569	
5°	12162	12150	12148	12173	12163	1106
15°	6664	6584	6628	6607	6595	1784
25°	1566	1626	1766	1584	1534	750
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°	12569.4	12569.4	12569.4	12569.4	12569.4
2.5°	12486.1	12477.4	12482.4	12488.6	12491.0
5°	12162.1	12150.4	12147.9	12173.2	12162.7
7.5°	11508.6	11491.9	11466.6	11524.0	11577.7
10°	10413.8	10395.3	10340.4	10367.5	10411.3
12.5°	8797.6	8737.7	8736.5	8822.9	8811.2
15°	6664.2	6584.0	6628.4	6606.8	6595.1
17.5°	4481.5	4450.6	4509.9	4492.0	4414.8
20°	3223.8	3231.8	3344.8	3288.0	3219.5
22.5°	2352.4	2381.4	2515.4	2369.1	2315.4
25°	1566.2	1625.5	1766.2	1584.1	1534.1
27.5°	963.3	990.5	1133.0	951.0	923.8
30°	599.2	585.6	652.9	560.3	522.1
32.5°	393.1	375.8	397.4	356.7	325.8
35°	262.9	268.4	251.8	249.9	211.1
37.5°	164.2	188.8	166.6	177.7	135.8
40°	106.1	137.0	117.9	130.2	100.0
42.5°	87.0	105.5	96.9	103.1	88.9
45°	69.1	85.8	85.8	85.8	69.7
47.5°	38.3	57.4	73.4	58.6	40.7
50°	21.6	29.0	56.8	30.2	22.8
52.5°	14.8	16.7	38.9	17.3	15.4
55°	11.1	11.7	21.0	12.3	11.7
57.5°	8.6	9.3	11.1	9.3	8.6
60°	6.8	6.8	8.0	7.4	6.8
62.5°	4.9	4.9	5.6	4.9	4.9
65°	3.7	3.7	3.7	3.7	3.7
67.5°	1.9	2.5	2.5	2.5	2.5
70°	1.9	1.2	1.2	1.2	1.9
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





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

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