

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: P791849

Luminaire Tested: LER6D35BD010-EC6DR3020359050-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791849
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-EC6DR3020359050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4154.0 lumens
Efficiency: N/A
Efficacy: 134.9 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

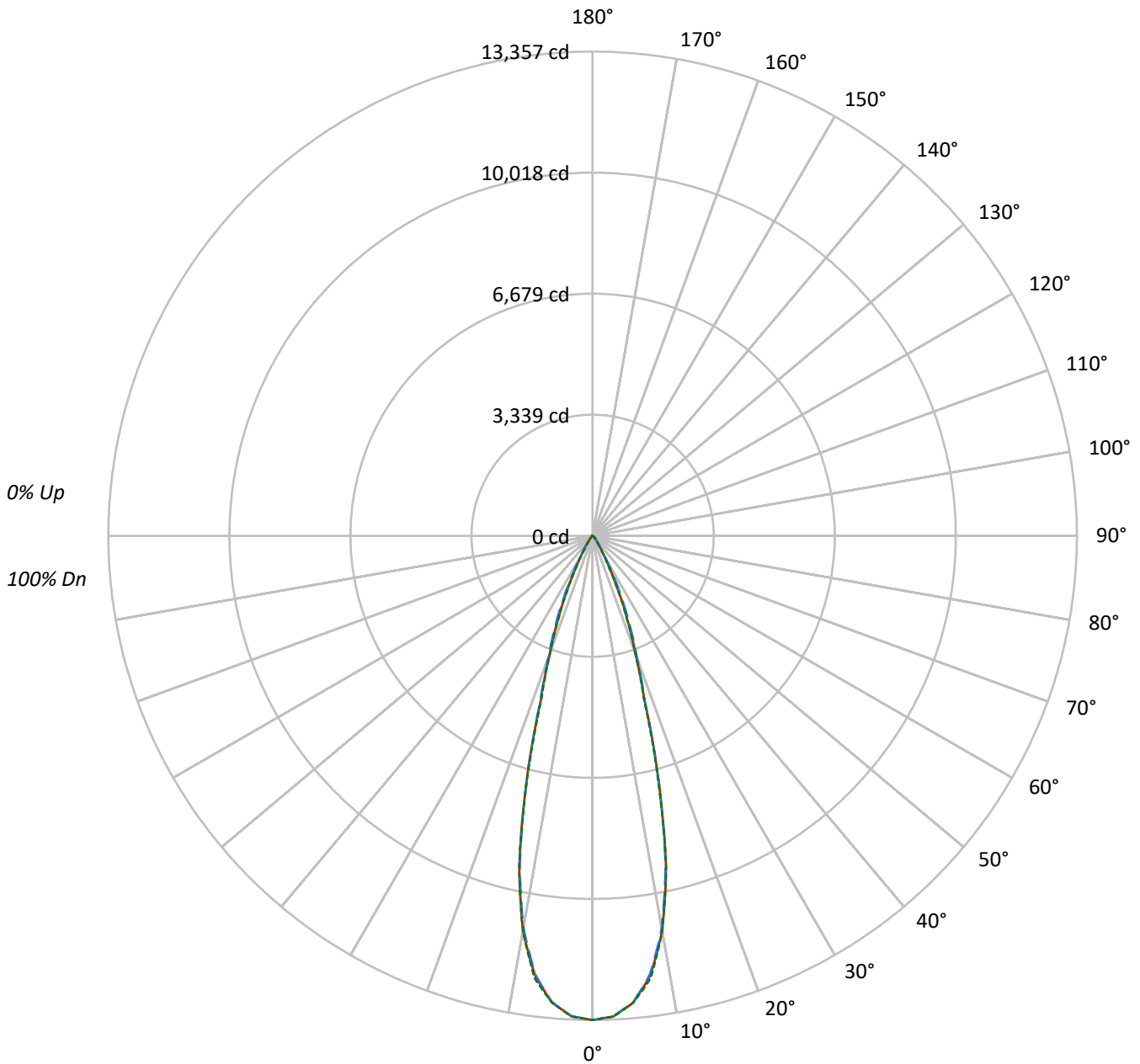


Downlight

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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°	1022398	1022398	1022398
5°	993049	991888	993102
10°	860127	854065	859925
15°	561195	558176	555371
20°	279051	289526	278685
25°	140569	158516	137689
30°	56283	61321	49036
35°	26108	25005	20959
40°	11271	12520	10612
45°	7945	9872	8021
50°	2739	7181	2894
55°	1575	2976	1668
60°	1102	1301	1102
65°	706	706	706
70°	448	291	448
75°	0	207	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 9872 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1174.6	28.3
10°-20°	1891.6	45.5
20°-30°	817.4	19.7
30°-40°	186.3	4.5
40°-50°	64.0	1.5
50°-60°	15.6	0.4
60°-70°	4.0	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°	3883.6	93.5
0°-40°	4069.9	98.0
0°-60°	4149.5	99.9
0°-90°	4154.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4154.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13357	13357	13357	13357	13357	
5°	12924	12912	12909	12936	12925	1176
15°	7082	6997	7044	7021	7008	1896
25°	1664	1727	1877	1683	1630	797
35°	279	285	268	266	224	189
45°	73	91	91	91	74	52
55°	12	12	22	13	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°	13357.1	13357.1	13357.1	13357.1	13357.1
2.5°	13268.6	13259.4	13264.7	13271.2	13273.8
5°	12924.3	12911.8	12909.2	12936.1	12925.0
7.5°	12229.8	12212.1	12185.2	12246.2	12303.3
10°	11066.4	11046.8	10988.4	11017.3	11063.8
12.5°	9348.9	9285.3	9284.0	9375.8	9363.4
15°	7081.9	6996.6	7043.8	7020.9	7008.4
17.5°	4762.3	4729.6	4792.5	4773.5	4691.5
20°	3425.8	3434.4	3554.4	3494.0	3421.3
22.5°	2499.9	2530.7	2673.0	2517.6	2460.5
25°	1664.4	1727.3	1876.9	1683.4	1630.3
27.5°	1023.7	1052.5	1204.0	1010.6	981.7
30°	636.8	622.3	693.8	595.5	554.8
32.5°	417.7	399.4	422.3	379.0	346.3
35°	279.4	285.3	267.6	265.6	224.3
37.5°	174.4	200.7	177.1	188.9	144.3
40°	112.8	145.6	125.3	138.4	106.2
42.5°	92.5	112.1	103.0	109.5	94.4
45°	73.4	91.2	91.2	91.2	74.1
47.5°	40.7	61.0	78.0	62.3	43.3
50°	23.0	30.8	60.3	32.1	24.3
52.5°	15.7	17.7	41.3	18.4	16.4
55°	11.8	12.5	22.3	13.1	12.5
57.5°	9.2	9.8	11.8	9.8	9.2
60°	7.2	7.2	8.5	7.9	7.2
62.5°	5.2	5.2	5.9	5.2	5.2
65°	3.9	3.9	3.9	3.9	3.9
67.5°	2.0	2.6	2.6	2.6	2.6
70°	2.0	1.3	1.3	1.3	2.0
72.5°	1.3	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.7	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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(END OF REPORT)