

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: P791818

Luminaire Tested: LER6D35BD010-EC6DR3020359027-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P791818
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-EC6DR3020359027-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3215.5 lumens
Efficiency: N/A
Efficacy: 104.4 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

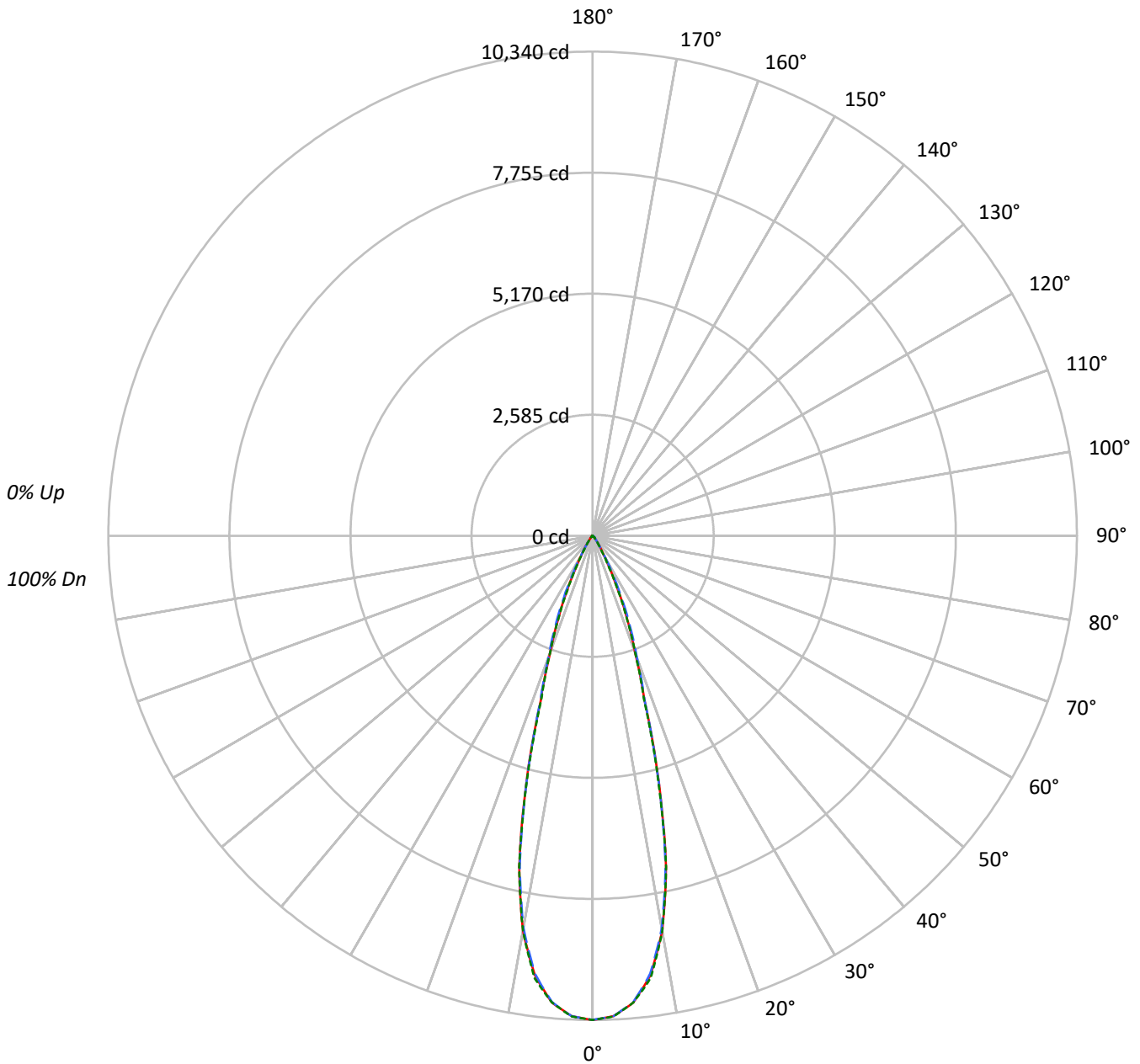


Downlight

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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						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°	791420	791420	791420
5°	768704	767805	768742
10°	665809	661114	665653
15°	434413	432075	429904
20°	216013	224117	215719
25°	108813	122707	106584
30°	43565	47471	37961
35°	20212	19352	16222
40°	8723	9692	8213
45°	6159	7642	6213
50°	2120	5561	2239
55°	1214	2309	1281
60°	857	1010	857
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: 7642 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	909.2	28.3
10°-20°	1464.3	45.5
20°-30°	632.8	19.7
30°-40°	144.2	4.5
40°-50°	49.5	1.5
50°-60°	12.1	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°	3006.2	93.5
0°-40°	3150.5	98.0
0°-60°	3212.1	99.9
0°-90°	3215.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3215.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10340	10340	10340	10340	10340	
5°	10004	9995	9993	10014	10005	910
15°	5482	5416	5452	5435	5425	1468
25°	1288	1337	1453	1303	1262	617
35°	216	221	207	206	174	147
45°	57	71	71	71	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°	10339.5	10339.5	10339.5	10339.5	10339.5
2.5°	10271.0	10263.9	10267.9	10273.0	10275.1
5°	10004.5	9994.8	9992.8	10013.6	10005.0
7.5°	9466.9	9453.2	9432.4	9479.6	9523.7
10°	8566.3	8551.1	8505.9	8528.3	8564.3
12.5°	7236.9	7187.6	7186.6	7257.7	7248.0
15°	5482.0	5416.0	5452.5	5434.7	5425.1
17.5°	3686.4	3661.1	3709.8	3695.1	3631.6
20°	2651.9	2658.5	2751.4	2704.7	2648.3
22.5°	1935.1	1959.0	2069.1	1948.8	1904.6
25°	1288.4	1337.1	1452.9	1303.1	1262.0
27.5°	792.4	814.8	932.0	782.3	759.9
30°	492.9	481.7	537.1	460.9	429.5
32.5°	323.4	309.2	326.9	293.4	268.0
35°	216.3	220.8	207.1	205.6	173.6
37.5°	135.0	155.3	137.1	146.2	111.7
40°	87.3	112.7	97.0	107.1	82.2
42.5°	71.6	86.8	79.7	84.8	73.1
45°	56.9	70.6	70.6	70.6	57.4
47.5°	31.5	47.2	60.4	48.2	33.5
50°	17.8	23.9	46.7	24.9	18.8
52.5°	12.2	13.7	32.0	14.2	12.7
55°	9.1	9.6	17.3	10.2	9.6
57.5°	7.1	7.6	9.1	7.6	7.1
60°	5.6	5.6	6.6	6.1	5.6
62.5°	4.1	4.1	4.6	4.1	4.1
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

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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