

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: P791826

Luminaire Tested: LER6D35BD010-EC6DR3020359030-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791826  
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-EC6DR3020359030-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3312.7 lumens  
Efficiency: N/A  
Efficacy: 107.6 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<sub>in</sub>): 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

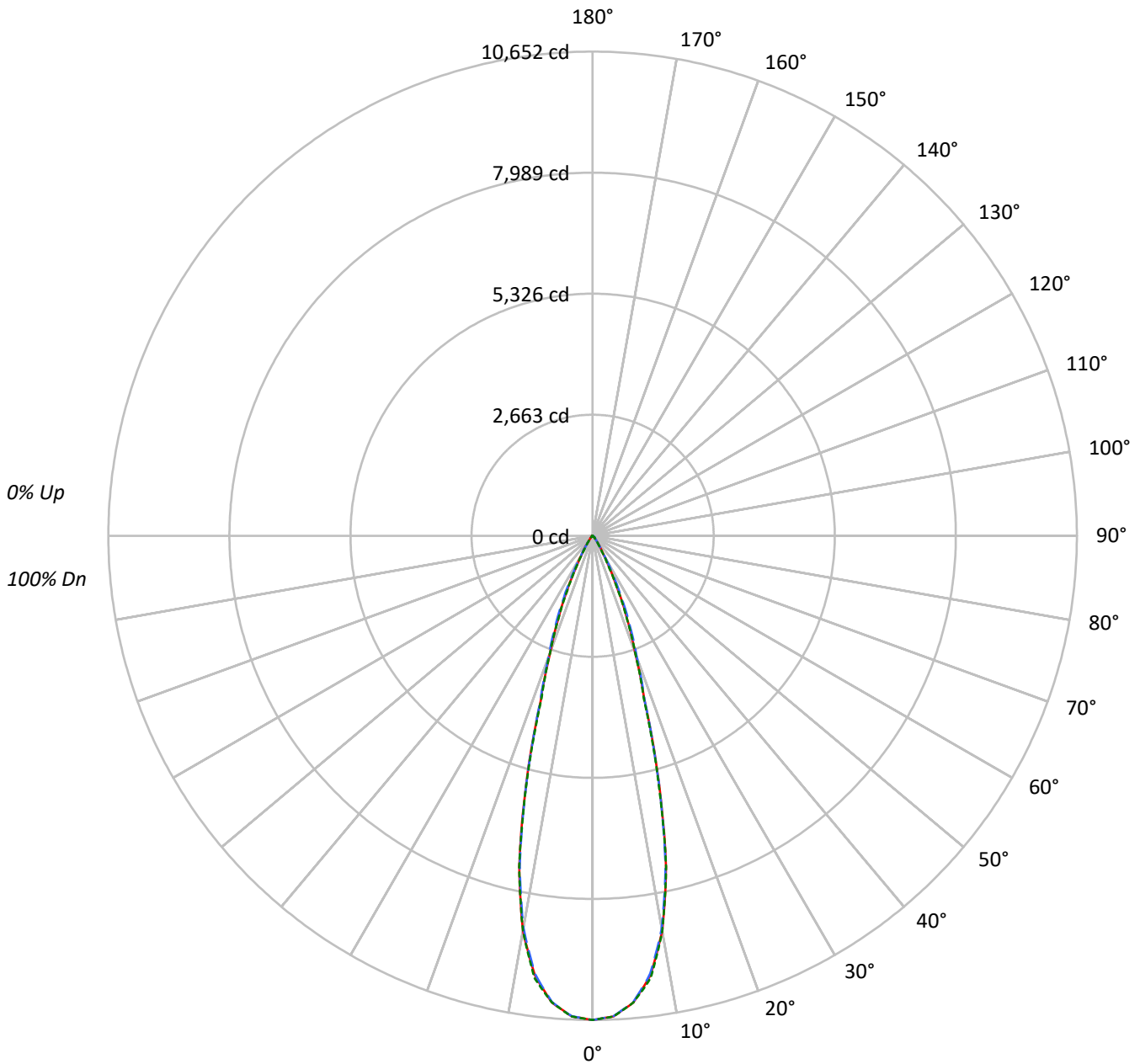


Downlight

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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°	815340	815340	815340
5°	791931	791009	791969
10°	685932	681097	685768
15°	447536	445135	442892
20°	222537	230886	222244
25°	112099	126414	109802
30°	44882	48903	39101
35°	20819	19941	16717
40°	8993	9982	8463
45°	6343	7870	6397
50°	2179	5728	2310
55°	1254	2375	1321
60°	888	1041	888
65°	561	561	561
70°	358	224	358
75°	0	148	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 7870 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	936.7	28.3
10°-20°	1508.5	45.5
20°-30°	651.9	19.7
30°-40°	148.6	4.5
40°-50°	51.0	1.5
50°-60°	12.5	0.4
60°-70°	3.2	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°	3097.1	93.5
0°-40°	3245.7	98.0
0°-60°	3309.1	99.9
0°-90°	3312.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3312.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10652	10652	10652	10652	10652	
5°	10307	10297	10295	10316	10307	937
15°	5648	5580	5617	5599	5589	1512
25°	1327	1378	1497	1342	1300	635
35°	223	228	213	212	179	151
45°	59	73	73	73	59	42
55°	9	10	18	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°	10652.0	10652.0	10652.0	10652.0	10652.0
2.5°	10581.4	10574.1	10578.2	10583.5	10585.6
5°	10306.8	10296.9	10294.8	10316.2	10307.3
7.5°	9753.0	9738.9	9717.4	9766.1	9811.6
10°	8825.2	8809.5	8763.0	8786.0	8823.1
12.5°	7455.5	7404.8	7403.8	7477.0	7467.1
15°	5647.6	5579.6	5617.3	5599.0	5589.0
17.5°	3797.9	3771.7	3821.9	3806.7	3741.4
20°	2732.0	2738.8	2834.5	2786.4	2728.4
22.5°	1993.6	2018.2	2131.7	2007.7	1962.2
25°	1327.3	1377.5	1496.8	1342.5	1300.1
27.5°	816.4	839.4	960.2	805.9	782.9
30°	507.8	496.3	553.3	474.9	442.4
32.5°	333.1	318.5	336.8	302.3	276.1
35°	222.8	227.5	213.4	211.8	178.9
37.5°	139.1	160.0	141.2	150.6	115.1
40°	90.0	116.1	99.9	110.3	84.7
42.5°	73.7	89.4	82.1	87.3	75.3
45°	58.6	72.7	72.7	72.7	59.1
47.5°	32.4	48.6	62.2	49.7	34.5
50°	18.3	24.6	48.1	25.6	19.4
52.5°	12.6	14.1	32.9	14.6	13.1
55°	9.4	9.9	17.8	10.5	9.9
57.5°	7.3	7.8	9.4	7.8	7.3
60°	5.8	5.8	6.8	6.3	5.8
62.5°	4.2	4.2	4.7	4.2	4.2
65°	3.1	3.1	3.1	3.1	3.1
67.5°	1.6	2.1	2.1	2.1	2.1
70°	1.6	1.0	1.0	1.0	1.6
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)