

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: P791810

Luminaire Tested: LER6D35BD010-EC6DR3020359024-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791810  
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-EC6DR3020359024-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2838.6 lumens  
Efficiency: N/A  
Efficacy: 92.2 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

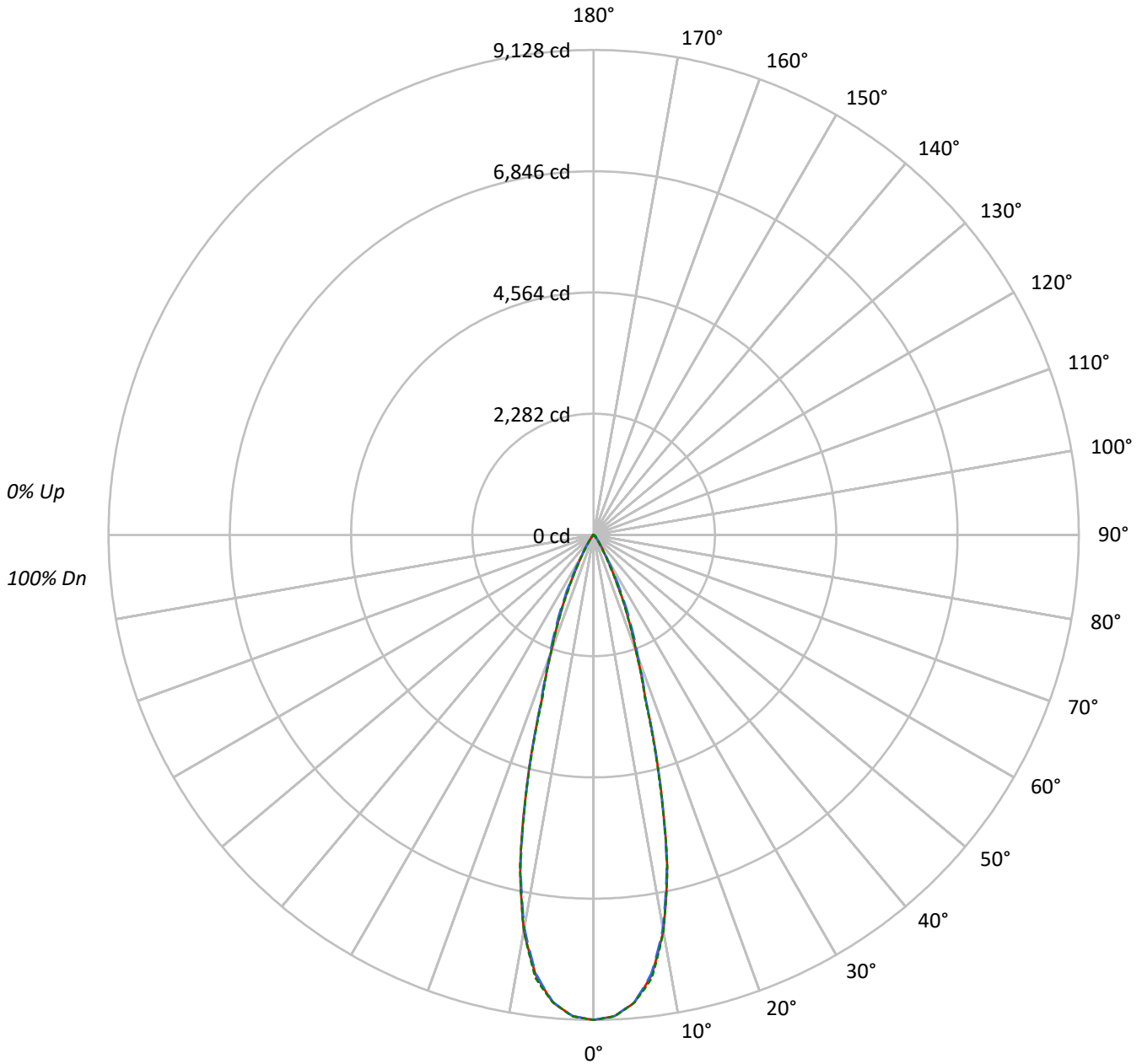


Downlight

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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																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	698658	698658	698658
5°	678598	677807	678629
10°	587766	583623	587626
15°	383491	381431	379513
20°	190688	197848	190435
25°	96061	108324	94093
30°	38456	41903	33507
35°	17838	17081	14325
40°	7704	8553	7254
45°	5434	6744	5477
50°	1870	4906	1977
55°	1081	2028	1134
60°	750	888	750
65°	489	489	489
70°	291	201	291
75°	0	118	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 6744 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	802.6	28.3
10°-20°	1292.6	45.5
20°-30°	558.6	19.7
30°-40°	127.3	4.5
40°-50°	43.7	1.5
50°-60°	10.7	0.4
60°-70°	2.8	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°	2653.9	93.5
0°-40°	2781.2	98.0
0°-60°	2835.6	99.9
0°-90°	2838.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2838.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9128	9128	9128	9128	9128	
5°	8832	8823	8822	8840	8832	803
15°	4839	4781	4813	4798	4789	1296
25°	1137	1180	1283	1150	1114	544
35°	191	195	183	182	153	129
45°	50	62	62	62	51	36
55°	8	8	15	9	8	8
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°	9127.6	9127.6	9127.6	9127.6	9127.6
2.5°	9067.1	9060.8	9064.4	9068.9	9070.6
5°	8831.8	8823.3	8821.5	8839.9	8832.2
7.5°	8357.2	8345.1	8326.7	8368.4	8407.4
10°	7562.2	7548.8	7508.9	7528.6	7560.4
12.5°	6388.6	6345.1	6344.2	6406.9	6398.4
15°	4839.4	4781.1	4813.4	4797.7	4789.2
17.5°	3254.3	3231.9	3275.0	3262.0	3205.9
20°	2341.0	2346.9	2428.9	2387.6	2337.9
22.5°	1708.3	1729.3	1826.6	1720.4	1681.4
25°	1137.4	1180.4	1282.6	1150.4	1114.1
27.5°	699.5	719.3	822.8	690.6	670.9
30°	435.1	425.3	474.1	406.9	379.1
32.5°	285.5	272.9	288.6	259.0	236.6
35°	190.9	194.9	182.8	181.5	153.3
37.5°	119.2	137.1	121.0	129.1	98.6
40°	77.1	99.5	85.6	94.6	72.6
42.5°	63.2	76.6	70.4	74.8	64.5
45°	50.2	62.3	62.3	62.3	50.6
47.5°	27.8	41.7	53.3	42.6	29.6
50°	15.7	21.1	41.2	22.0	16.6
52.5°	10.8	12.1	28.2	12.5	11.2
55°	8.1	8.5	15.2	9.0	8.5
57.5°	6.3	6.7	8.1	6.7	6.3
60°	4.9	4.9	5.8	5.4	4.9
62.5°	3.6	3.6	4.0	3.6	3.6
65°	2.7	2.7	2.7	2.7	2.7
67.5°	1.3	1.8	1.8	1.8	1.8
70°	1.3	0.9	0.9	0.9	1.3
72.5°	0.9	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.4	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)