

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: P792168

Luminaire Tested: LER6D35BD010-EC6DR6520359035-6LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P792168  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D35BD010-EC6DR6520359035-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3367.3 lumens  
Efficiency: N/A  
Efficacy: 109.3 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92  
Luminous Opening: Circular (Dia: 0.35' 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

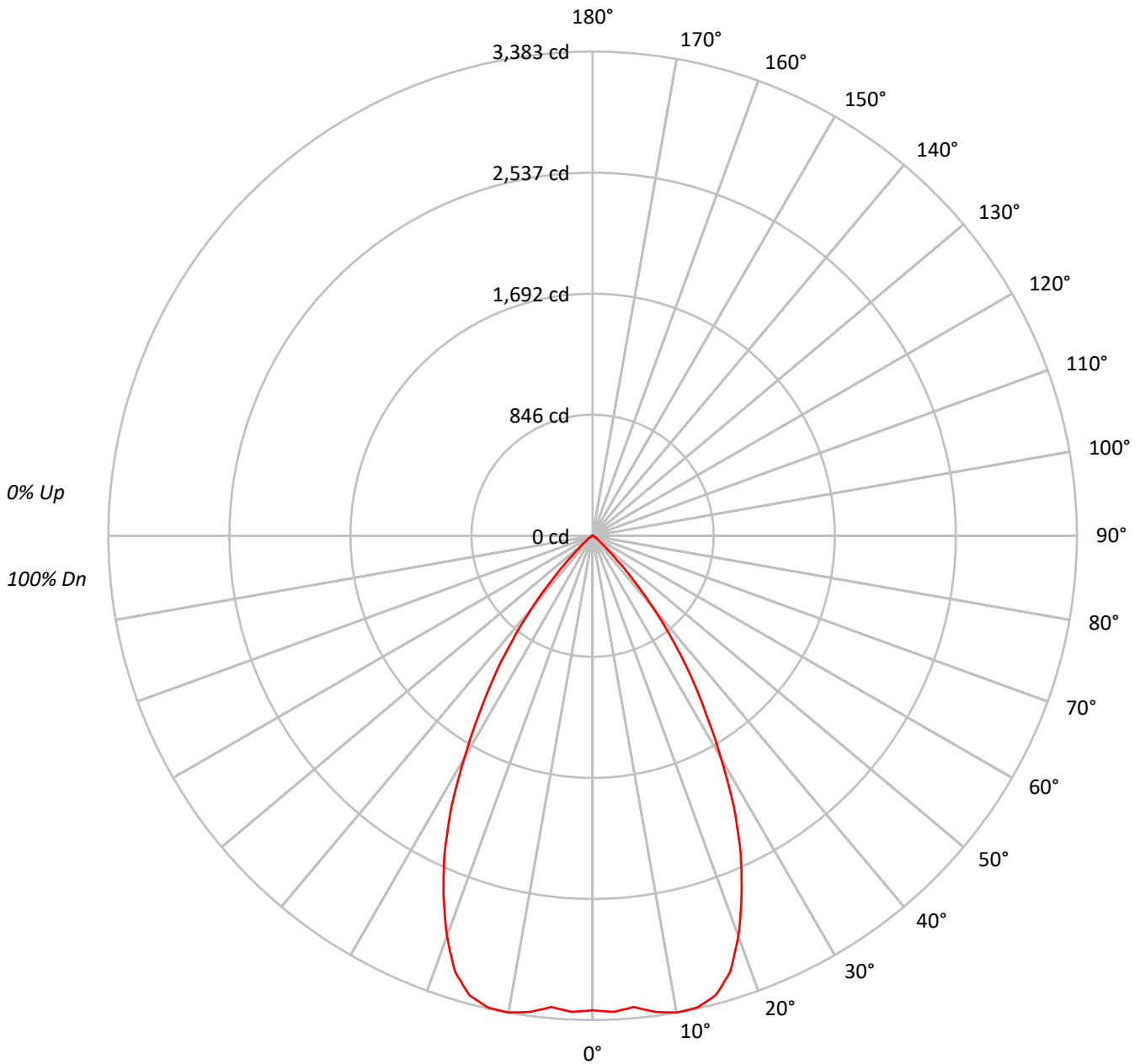


Downlight

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50			

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

	0°
0°	362243
5°	362541
10°	375298
15°	375927
20°	346098
25°	294892
30°	225757
35°	159486
40°	94150
45°	38212
50°	13853
55°	7715
60°	4436
65°	2430
70°	2556
75°	1984
80°	2076
85°	1755

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 38212 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	319.2	9.5
10°-20°	920.9	27.3
20°-30°	1104.9	32.8
30°-40°	742.5	22.1
40°-50°	222.3	6.6
50°-60°	39.2	1.2
60°-70°	11.2	0.3
70°-80°	5.4	0.2
80°-90°	1.7	0.1
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°	2345.0	69.6
0°-40°	3087.5	91.7
0°-60°	3349.0	99.5
0°-90°	3367.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3367.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3315	
5°	3306	319
15°	3323	921
25°	2446	1105
35°	1196	742
45°	247	222
55°	40	39
65°	9	11
75°	5	5
85°	1	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3315.4
2.5°	3329.5
5°	3305.5
7.5°	3355.4
10°	3382.7
12.5°	3376.1
15°	3323.4
17.5°	3194.3
20°	2976.6
22.5°	2720.3
25°	2446.1
27.5°	2136.6
30°	1789.4
32.5°	1474.6
35°	1195.7
37.5°	920.1
40°	660.1
42.5°	431.1
45°	247.3
47.5°	131.0
50°	81.5
52.5°	56.5
55°	40.5
57.5°	29.2
60°	20.3
62.5°	13.2
65°	9.4
67.5°	8.5
70°	8.0
72.5°	6.1
75°	4.7
77.5°	4.2
80°	3.3
82.5°	2.4
85°	1.4
87.5°	0.9
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)