

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: P791837

Luminaire Tested: LER6D35BD010-EC6DR3020359035-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791837  
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-EC6DR3020359035-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4147.7 lumens  
Efficiency: N/A  
Efficacy: 134.7 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

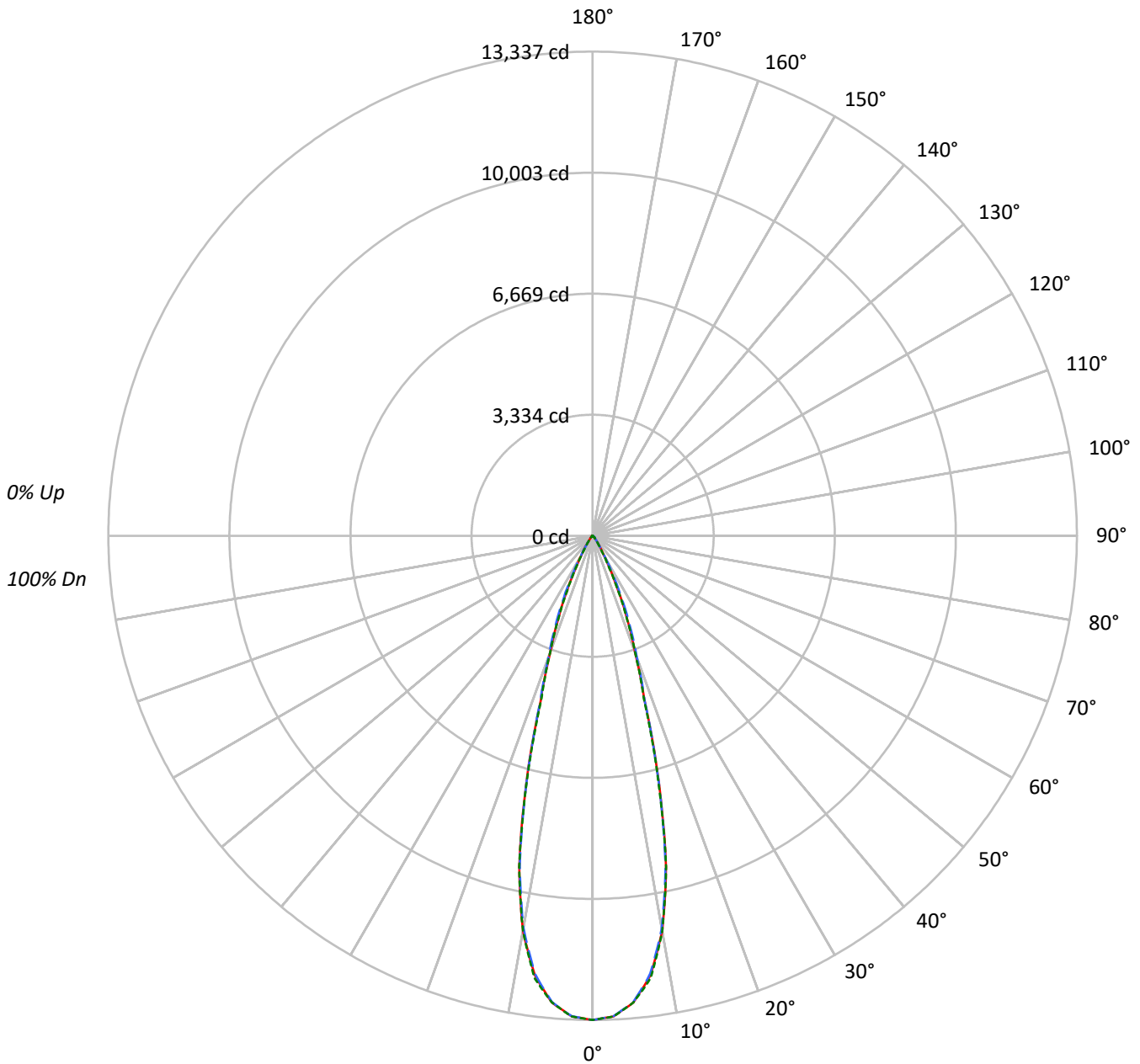


Downlight

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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°	1020852	1020852	1020852
5°	991543	990390	991596
10°	858829	852774	858627
15°	560339	557336	554531
20°	278636	289087	278261
25°	140358	158271	137478
30°	56195	61233	48965
35°	26061	24968	20922
40°	11251	12500	10602
45°	7935	9851	8010
50°	2727	7169	2882
55°	1575	2976	1655
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: 9851 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1172.8	28.3
10°-20°	1888.8	45.5
20°-30°	816.2	19.7
30°-40°	186.0	4.5
40°-50°	63.9	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°	3877.7	93.5
0°-40°	4063.8	98.0
0°-60°	4143.2	99.9
0°-90°	4147.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4147.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	13337	13337	13337	13337	13337	
5°	12905	12892	12890	12916	12905	1174
15°	7071	6986	7033	7010	6998	1893
25°	1662	1725	1874	1681	1628	795
35°	279	285	267	265	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°	13336.9	13336.9	13336.9	13336.9	13336.9
2.5°	13248.5	13239.3	13244.6	13251.1	13253.7
5°	12904.7	12892.3	12889.7	12916.5	12905.4
7.5°	12211.3	12193.6	12166.8	12227.7	12284.6
10°	11049.7	11030.0	10971.8	11000.6	11047.1
12.5°	9334.8	9271.3	9269.9	9361.6	9349.2
15°	7071.1	6986.0	7033.2	7010.2	6997.8
17.5°	4755.1	4722.4	4785.2	4766.3	4684.4
20°	3420.7	3429.2	3549.0	3488.8	3416.1
22.5°	2496.1	2526.9	2668.9	2513.8	2456.8
25°	1661.9	1724.7	1874.0	1680.9	1627.8
27.5°	1022.1	1050.9	1202.2	1009.0	980.2
30°	635.8	621.4	692.8	594.6	554.0
32.5°	417.1	398.8	421.7	378.5	345.7
35°	278.9	284.8	267.2	265.2	223.9
37.5°	174.2	200.4	176.8	188.6	144.1
40°	112.6	145.4	125.1	138.2	106.1
42.5°	92.3	112.0	102.8	109.4	94.3
45°	73.3	91.0	91.0	91.0	74.0
47.5°	40.6	60.9	77.9	62.2	43.2
50°	22.9	30.8	60.2	32.1	24.2
52.5°	15.7	17.7	41.3	18.3	16.4
55°	11.8	12.4	22.3	13.1	12.4
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)