

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: P791816

Luminaire Tested: LER6D35BD010-EC6DR3020359027-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791816  
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-EC6DR3020359027-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3604.6 lumens  
Efficiency: N/A  
Efficacy: 117.0 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

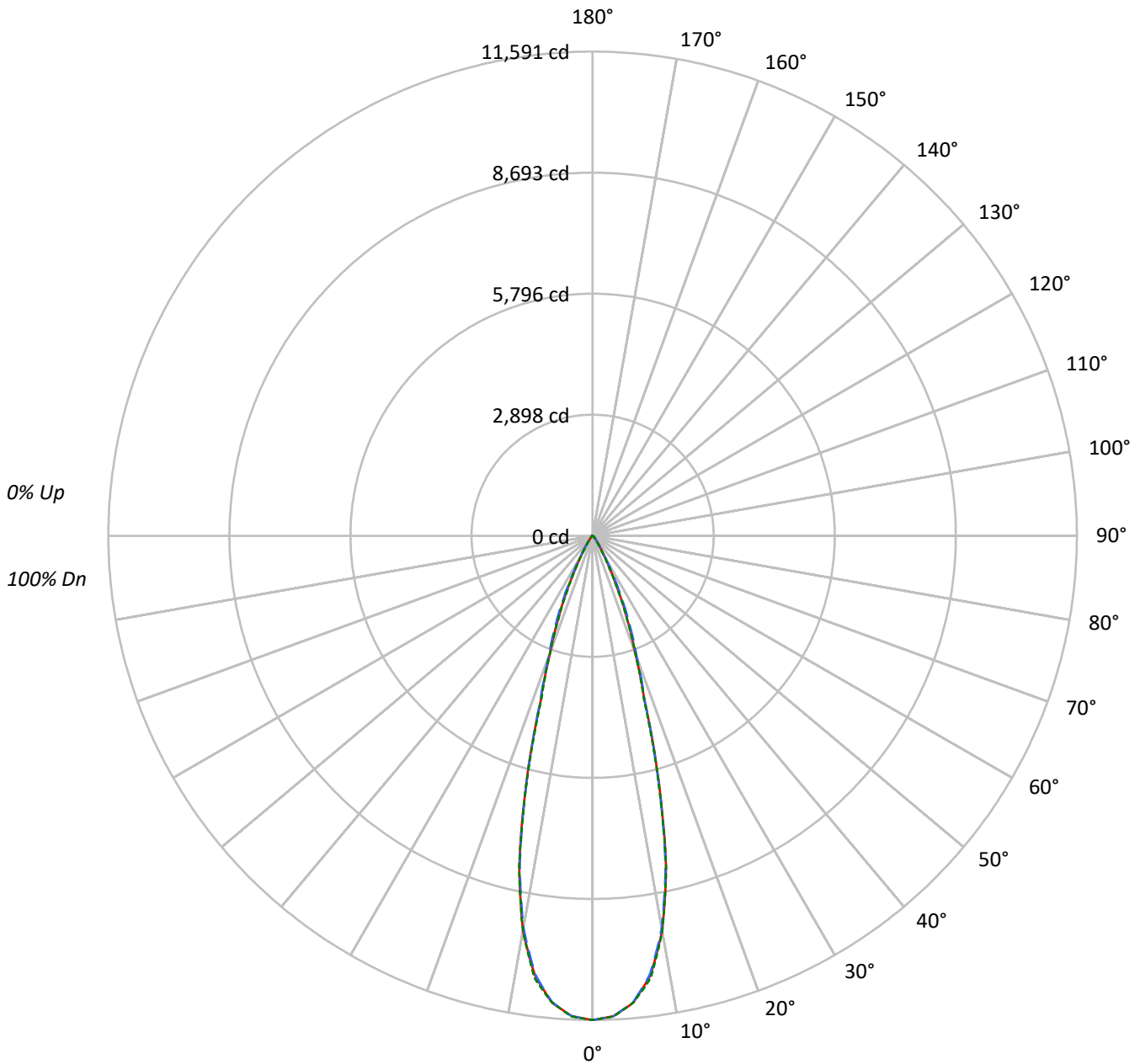


Downlight

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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	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°	887192	887192	887192
5°	861721	860714	861759
10°	746378	741116	746199
15°	486975	484360	481928
20°	242152	251234	241826
25°	121980	137554	119480
30°	48841	53216	42548
35°	22650	21697	18184
40°	9782	10861	9213
45°	6895	8562	6960
50°	2370	6240	2513
55°	1361	2576	1441
60°	964	1133	964
65°	616	616	616
70°	380	246	380
75°	0	177	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 8562 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1019.2	28.3
10°-20°	1641.5	45.5
20°-30°	709.3	19.7
30°-40°	161.7	4.5
40°-50°	55.5	1.5
50°-60°	13.6	0.4
60°-70°	3.5	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°	3370.0	93.5
0°-40°	3531.7	98.0
0°-60°	3600.7	99.9
0°-90°	3604.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3604.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	11591	11591	11591	11591	11591	
5°	11215	11204	11202	11225	11216	1020
15°	6145	6071	6112	6092	6082	1645
25°	1444	1499	1629	1461	1415	691
35°	242	248	232	230	195	164
45°	64	79	79	79	64	45
55°	10	11	19	11	11	10
65°	3	3	3	3	3	3
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°	11590.7	11590.7	11590.7	11590.7	11590.7
2.5°	11513.8	11505.9	11510.4	11516.1	11518.4
5°	11215.1	11204.3	11202.0	11225.3	11215.6
7.5°	10612.4	10597.1	10573.7	10626.7	10676.2
10°	9602.9	9585.9	9535.2	9560.2	9600.6
12.5°	8112.6	8057.4	8056.2	8135.9	8125.1
15°	6145.3	6071.3	6112.3	6092.4	6081.6
17.5°	4132.5	4104.1	4158.7	4142.2	4071.1
20°	2972.8	2980.2	3084.3	3032.0	2968.8
22.5°	2169.3	2196.0	2319.5	2184.6	2135.1
25°	1444.3	1498.9	1628.7	1460.8	1414.7
27.5°	888.3	913.3	1044.8	876.9	851.9
30°	552.6	540.0	602.1	516.7	481.4
32.5°	362.5	346.6	366.5	328.9	300.5
35°	242.4	247.5	232.2	230.5	194.6
37.5°	151.4	174.1	153.6	163.9	125.2
40°	97.9	126.3	108.7	120.1	92.2
42.5°	80.2	97.3	89.3	95.0	81.9
45°	63.7	79.1	79.1	79.1	64.3
47.5°	35.3	52.9	67.7	54.1	37.6
50°	19.9	26.7	52.4	27.9	21.1
52.5°	13.7	15.4	35.9	15.9	14.2
55°	10.2	10.8	19.3	11.4	10.8
57.5°	8.0	8.5	10.2	8.5	8.0
60°	6.3	6.3	7.4	6.8	6.3
62.5°	4.6	4.6	5.1	4.6	4.6
65°	3.4	3.4	3.4	3.4	3.4
67.5°	1.7	2.3	2.3	2.3	2.3
70°	1.7	1.1	1.1	1.1	1.7
72.5°	1.1	0.6	0.6	0.6	0.6
75°	0.0	0.0	0.6	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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