

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: P791848

Luminaire Tested: LER6D35BD010-EC6DR3020359050-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791848  
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-EC6DR3020359050-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3956.2 lumens  
Efficiency: N/A  
Efficacy: 128.4 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

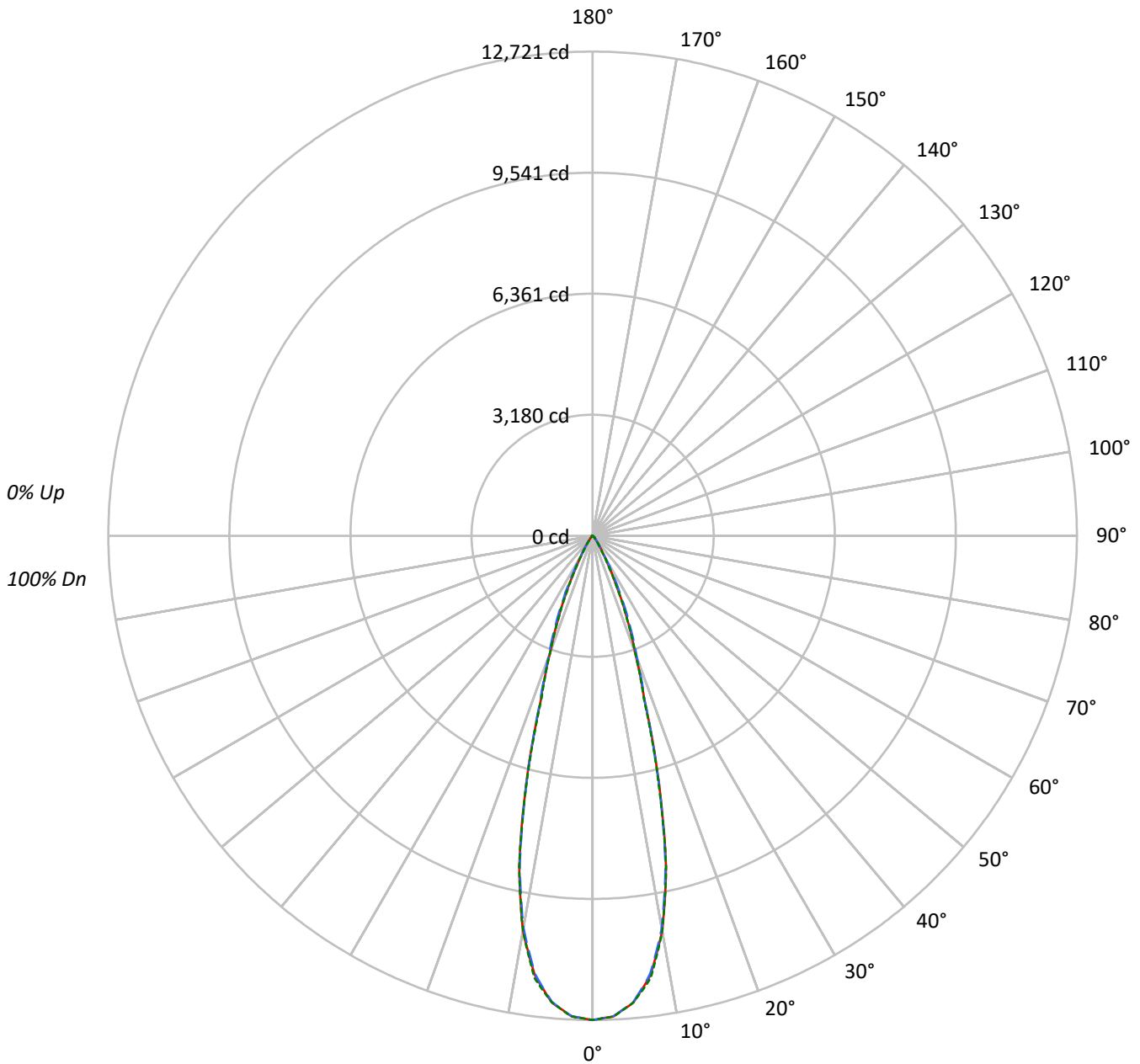


Downlight

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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°	973716	973716	973716
5°	945764	944657	945810
10°	819174	813399	818980
15°	534466	531597	528927
20°	265766	275736	265407
25°	133872	150966	131135
30°	53596	58405	46702
35°	24865	23809	19959
40°	10731	11920	10112
45°	7577	9396	7642
50°	2608	6847	2751
55°	1495	2829	1588
60°	1056	1240	1056
65°	670	670	670
70°	425	269	425
75°	0	177	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 9396 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1118.6	28.3
10°-20°	1801.6	45.5
20°-30°	778.5	19.7
30°-40°	177.4	4.5
40°-50°	60.9	1.5
50°-60°	14.9	0.4
60°-70°	3.8	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°	3698.7	93.5
0°-40°	3876.1	98.0
0°-60°	3951.9	99.9
0°-90°	3956.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3956.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	12721	12721	12721	12721	12721	
5°	12309	12297	12294	12320	12310	1120
15°	6745	6663	6708	6687	6675	1806
25°	1585	1645	1788	1603	1553	759
35°	266	272	255	253	214	180
45°	70	87	87	87	71	50
55°	11	12	21	12	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°	12721.1	12721.1	12721.1	12721.1	12721.1
2.5°	12636.8	12628.0	12633.0	12639.3	12641.7
5°	12308.9	12297.0	12294.5	12320.1	12309.5
7.5°	11647.4	11630.6	11605.0	11663.1	11717.4
10°	10539.5	10520.7	10465.2	10492.6	10537.0
12.5°	8903.7	8843.2	8841.9	8929.4	8917.5
15°	6744.6	6663.4	6708.4	6686.6	6674.7
17.5°	4535.6	4504.3	4564.3	4546.2	4468.1
20°	3262.7	3270.8	3385.1	3327.7	3258.3
22.5°	2380.8	2410.2	2545.7	2397.7	2343.4
25°	1585.1	1645.1	1787.5	1603.2	1552.7
27.5°	974.9	1002.4	1146.7	962.4	935.0
30°	606.4	592.7	660.8	567.1	528.4
32.5°	397.8	380.4	402.2	361.0	329.8
35°	266.1	271.7	254.8	252.9	213.6
37.5°	166.1	191.1	168.6	179.9	137.4
40°	107.4	138.7	119.3	131.8	101.2
42.5°	88.1	106.8	98.1	104.3	89.9
45°	70.0	86.8	86.8	86.8	70.6
47.5°	38.7	58.1	74.3	59.3	41.2
50°	21.9	29.4	57.5	30.6	23.1
52.5°	15.0	16.9	39.3	17.5	15.6
55°	11.2	11.9	21.2	12.5	11.9
57.5°	8.7	9.4	11.2	9.4	8.7
60°	6.9	6.9	8.1	7.5	6.9
62.5°	5.0	5.0	5.6	5.0	5.0
65°	3.7	3.7	3.7	3.7	3.7
67.5°	1.9	2.5	2.5	2.5	2.5
70°	1.9	1.2	1.2	1.2	1.9
72.5°	1.2	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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