

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: P791854

Luminaire Tested: LER6D35BD010-EC6DR3020359050-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791854  
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-EC6DR3020359050-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3958.5 lumens  
Efficiency: N/A  
Efficacy: 128.5 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

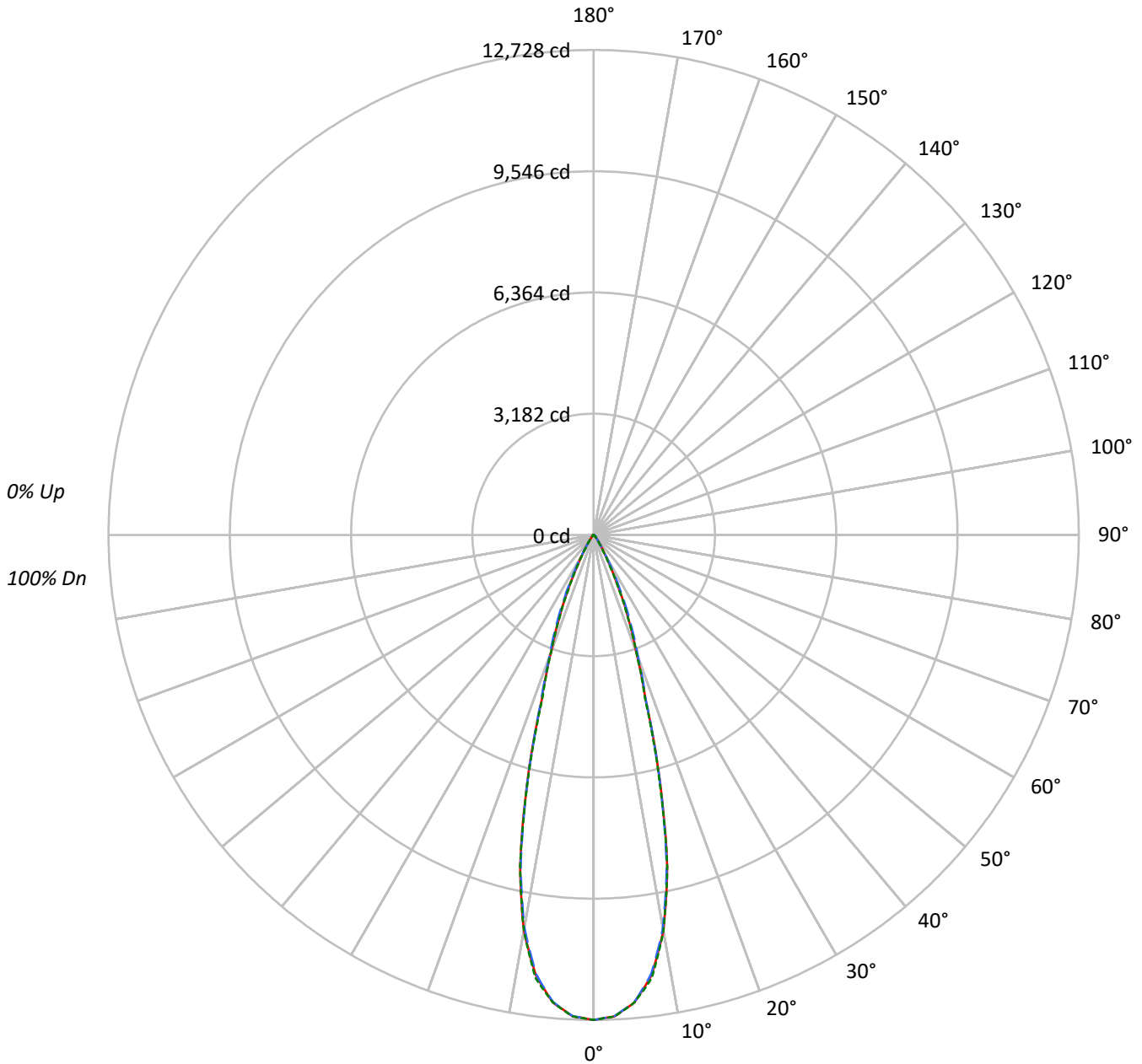


Downlight

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

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

	0°	45°	90°
0°	974283	974283	974283
5°	946309	945203	946356
10°	819648	813866	819454
15°	534783	531907	529236
20°	265921	275899	265562
25°	133956	151050	131211
30°	53632	58440	46729
35°	24874	23828	19969
40°	10741	11930	10112
45°	7577	9407	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: 9407 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1119.3	28.3
10°-20°	1802.6	45.5
20°-30°	779.0	19.7
30°-40°	177.5	4.5
40°-50°	61.0	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°	3700.8	93.5
0°-40°	3878.4	98.0
0°-60°	3954.2	99.9
0°-90°	3958.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3958.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	12728	12728	12728	12728	12728	
5°	12316	12304	12302	12327	12317	1120
15°	6749	6667	6712	6690	6679	1807
25°	1586	1646	1788	1604	1554	759
35°	266	272	255	253	214	181
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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	12728.5	12728.5	12728.5	12728.5	12728.5
2.5°	12644.1	12635.3	12640.3	12646.6	12649.1
5°	12316.0	12304.1	12301.6	12327.3	12316.6
7.5°	11654.2	11637.3	11611.7	11669.8	11724.2
10°	10545.6	10526.8	10471.2	10498.7	10543.1
12.5°	8908.9	8848.3	8847.0	8934.5	8922.7
15°	6748.6	6667.3	6712.3	6690.4	6678.6
17.5°	4538.2	4507.0	4566.9	4548.8	4470.7
20°	3264.6	3272.7	3387.1	3329.6	3260.2
22.5°	2382.2	2411.6	2547.2	2399.1	2344.7
25°	1586.1	1646.0	1788.5	1604.2	1553.6
27.5°	975.5	1003.0	1147.4	963.0	935.5
30°	606.8	593.1	661.2	567.4	528.7
32.5°	398.1	380.6	402.5	361.2	330.0
35°	266.2	271.8	255.0	253.1	213.7
37.5°	166.2	191.2	168.7	180.0	137.5
40°	107.5	138.7	119.4	131.9	101.2
42.5°	88.1	106.9	98.1	104.4	90.0
45°	70.0	86.9	86.9	86.9	70.6
47.5°	38.7	58.1	74.4	59.4	41.2
50°	21.9	29.4	57.5	30.6	23.1
52.5°	15.0	16.9	39.4	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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(END OF REPORT)