

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: P791830

Luminaire Tested: LER6D35BD010-EC6DR3020359030-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791830  
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-EC6DR3020359030-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3715.7 lumens  
Efficiency: N/A  
Efficacy: 120.6 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

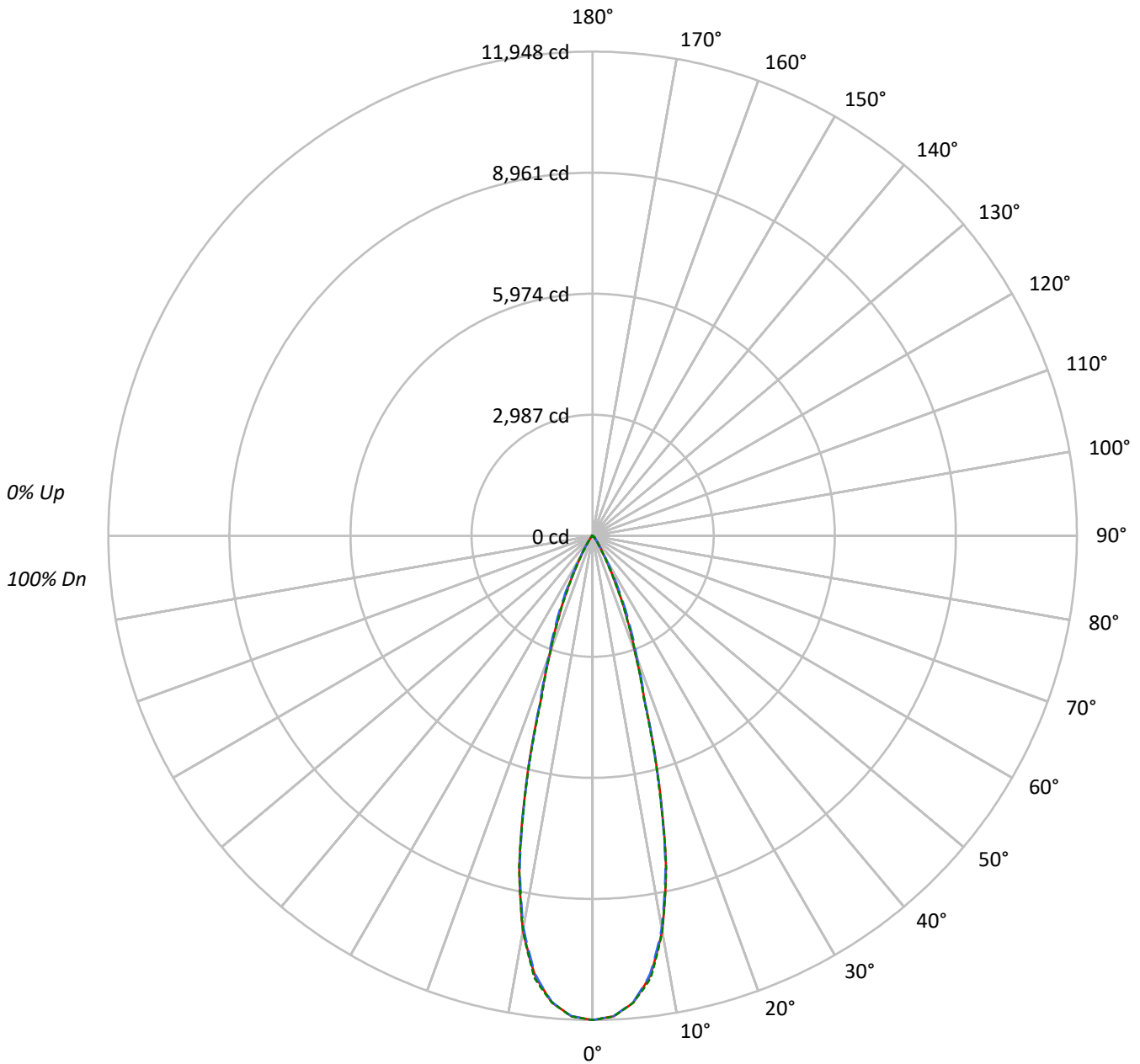


Downlight

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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°	914533	914533	914533
5°	888275	887238	888321
10°	769384	763959	769198
15°	501984	499290	496778
20°	249613	258981	249279
25°	125739	141785	123163
30°	50344	54852	43865
35°	23351	22361	18745
40°	10082	11191	9492
45°	7112	8822	7177
50°	2441	6430	2584
55°	1415	2656	1481
60°	995	1163	995
65°	634	634	634
70°	403	269	403
75°	0	177	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 8822 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1050.6	28.3
10°-20°	1692.1	45.5
20°-30°	731.2	19.7
30°-40°	166.7	4.5
40°-50°	57.2	1.5
50°-60°	14.0	0.4
60°-70°	3.6	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°	3473.9	93.5
0°-40°	3640.5	98.0
0°-60°	3711.7	99.9
0°-90°	3715.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3715.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	11948	11948	11948	11948	11948	
5°	11561	11550	11547	11571	11561	1052
15°	6335	6258	6301	6280	6269	1696
25°	1489	1545	1679	1506	1458	713
35°	250	255	239	238	201	170
45°	66	82	82	82	66	47
55°	11	11	20	12	11	10
65°	4	4	4	4	4	3
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°	11947.9	11947.9	11947.9	11947.9	11947.9
2.5°	11868.7	11860.5	11865.1	11871.0	11873.4
5°	11560.7	11549.6	11547.2	11571.3	11561.3
7.5°	10939.5	10923.7	10899.6	10954.2	11005.2
10°	9898.9	9881.3	9829.1	9854.9	9896.5
12.5°	8362.6	8305.7	8304.5	8386.6	8375.5
15°	6334.7	6258.4	6300.7	6280.1	6269.0
17.5°	4259.9	4230.6	4286.9	4269.9	4196.5
20°	3064.4	3072.0	3179.4	3125.4	3060.3
22.5°	2236.1	2263.7	2391.0	2252.0	2200.9
25°	1488.8	1545.1	1678.8	1505.8	1458.3
27.5°	915.7	941.5	1077.0	903.9	878.1
30°	569.6	556.7	620.6	532.6	496.3
32.5°	373.7	357.2	377.8	339.1	309.7
35°	249.9	255.2	239.3	237.6	200.6
37.5°	156.0	179.5	158.4	168.9	129.1
40°	100.9	130.2	112.0	123.8	95.0
42.5°	82.7	100.3	92.1	98.0	84.5
45°	65.7	81.5	81.5	81.5	66.3
47.5°	36.4	54.6	69.8	55.7	38.7
50°	20.5	27.6	54.0	28.7	21.7
52.5°	14.1	15.8	37.0	16.4	14.7
55°	10.6	11.1	19.9	11.7	11.1
57.5°	8.2	8.8	10.6	8.8	8.2
60°	6.5	6.5	7.6	7.0	6.5
62.5°	4.7	4.7	5.3	4.7	4.7
65°	3.5	3.5	3.5	3.5	3.5
67.5°	1.8	2.3	2.3	2.3	2.3
70°	1.8	1.2	1.2	1.2	1.8
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)