

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: P760197

Luminaire Tested: LD6D10D010-EU6DR300210IC9030-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P760197  
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: LD6D10D010-EU6DR300210IC9030-6LBS1MW  
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: 1015.5 lumens  
Efficiency: N/A  
Efficacy: 86.8 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): 11.7  
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



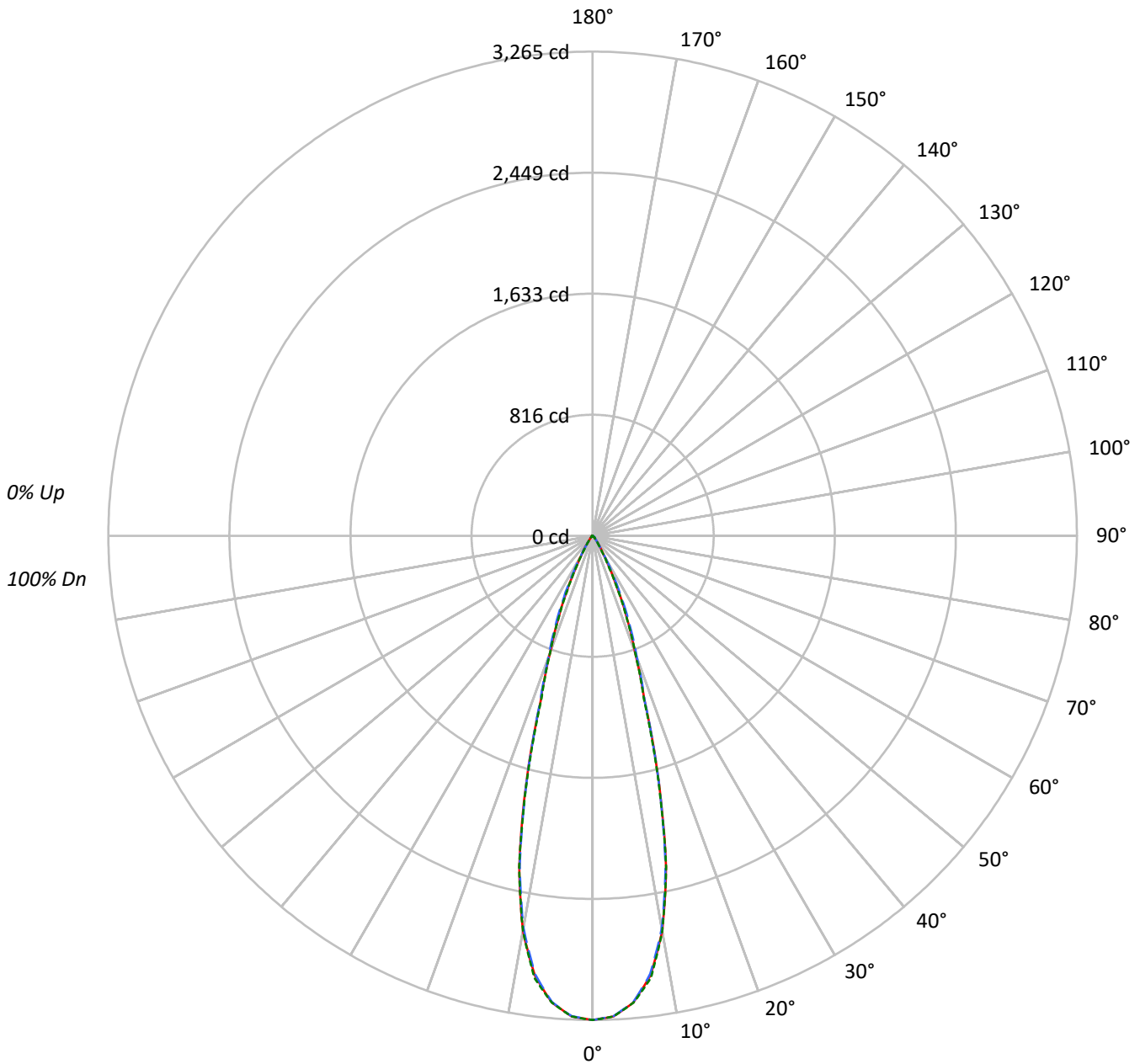
Downlight



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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°	249945	249945	249945
5°	242770	242486	242786
10°	210275	208791	210228
15°	137194	136457	135776
20°	68219	70777	68130
25°	34365	38749	33656
30°	13761	14990	11985
35°	6382	6111	5121
40°	2758	3058	2598
45°	1938	2414	1959
50°	667	1750	714
55°	387	721	400
60°	276	321	276
65°	181	181	181
70°	112	67	112
75°	0	59	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 2414 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	287.1	28.3
10°-20°	462.4	45.5
20°-30°	199.8	19.7
30°-40°	45.5	4.5
40°-50°	15.6	1.5
50°-60°	3.8	0.4
60°-70°	1.0	0.1
70°-80°	0.1	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°	949.4	93.5
0°-40°	995.0	98.0
0°-60°	1014.4	99.9
0°-90°	1015.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1015.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3265	3265	3265	3265	3265	
5°	3160	3157	3156	3162	3160	287
15°	1731	1710	1722	1716	1713	464
25°	407	422	459	412	398	195
35°	68	70	65	65	55	46
45°	18	22	22	22	18	13
55°	3	3	5	3	3	3
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
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°	3265.4	3265.4	3265.4	3265.4	3265.4
2.5°	3243.8	3241.5	3242.8	3244.4	3245.1
5°	3159.6	3156.6	3155.9	3162.5	3159.8
7.5°	2989.8	2985.5	2978.9	2993.8	3007.8
10°	2705.4	2700.6	2686.3	2693.4	2704.8
12.5°	2285.6	2270.0	2269.7	2292.1	2289.1
15°	1731.3	1710.5	1722.0	1716.4	1713.4
17.5°	1164.2	1156.2	1171.6	1167.0	1146.9
20°	837.5	839.6	868.9	854.2	836.4
22.5°	611.2	618.7	653.5	615.5	601.5
25°	406.9	422.3	458.8	411.6	398.5
27.5°	250.3	257.3	294.3	247.1	240.0
30°	155.7	152.1	169.6	145.6	135.6
32.5°	102.1	97.6	103.2	92.6	84.6
35°	68.3	69.7	65.4	64.9	54.8
37.5°	42.6	49.0	43.3	46.2	35.3
40°	27.6	35.6	30.6	33.8	26.0
42.5°	22.6	27.4	25.2	26.8	23.1
45°	17.9	22.3	22.3	22.3	18.1
47.5°	9.9	14.9	19.1	15.2	10.6
50°	5.6	7.6	14.7	7.8	6.0
52.5°	3.8	4.4	10.1	4.5	4.0
55°	2.9	3.0	5.4	3.2	3.0
57.5°	2.2	2.4	2.9	2.4	2.2
60°	1.8	1.8	2.1	1.9	1.8
62.5°	1.3	1.3	1.4	1.3	1.3
65°	1.0	1.0	1.0	1.0	1.0
67.5°	0.5	0.6	0.6	0.6	0.6
70°	0.5	0.3	0.3	0.3	0.5
72.5°	0.3	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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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