

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: P760202

Luminaire Tested: LD6D10D010-EU6DR300210IC9035-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P760202  
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-EU6DR300210IC9035-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 978.6 lumens  
Efficiency: N/A  
Efficacy: 83.6 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): 11.7  
Input Voltage (V): NR  
Input Current (Ain): 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



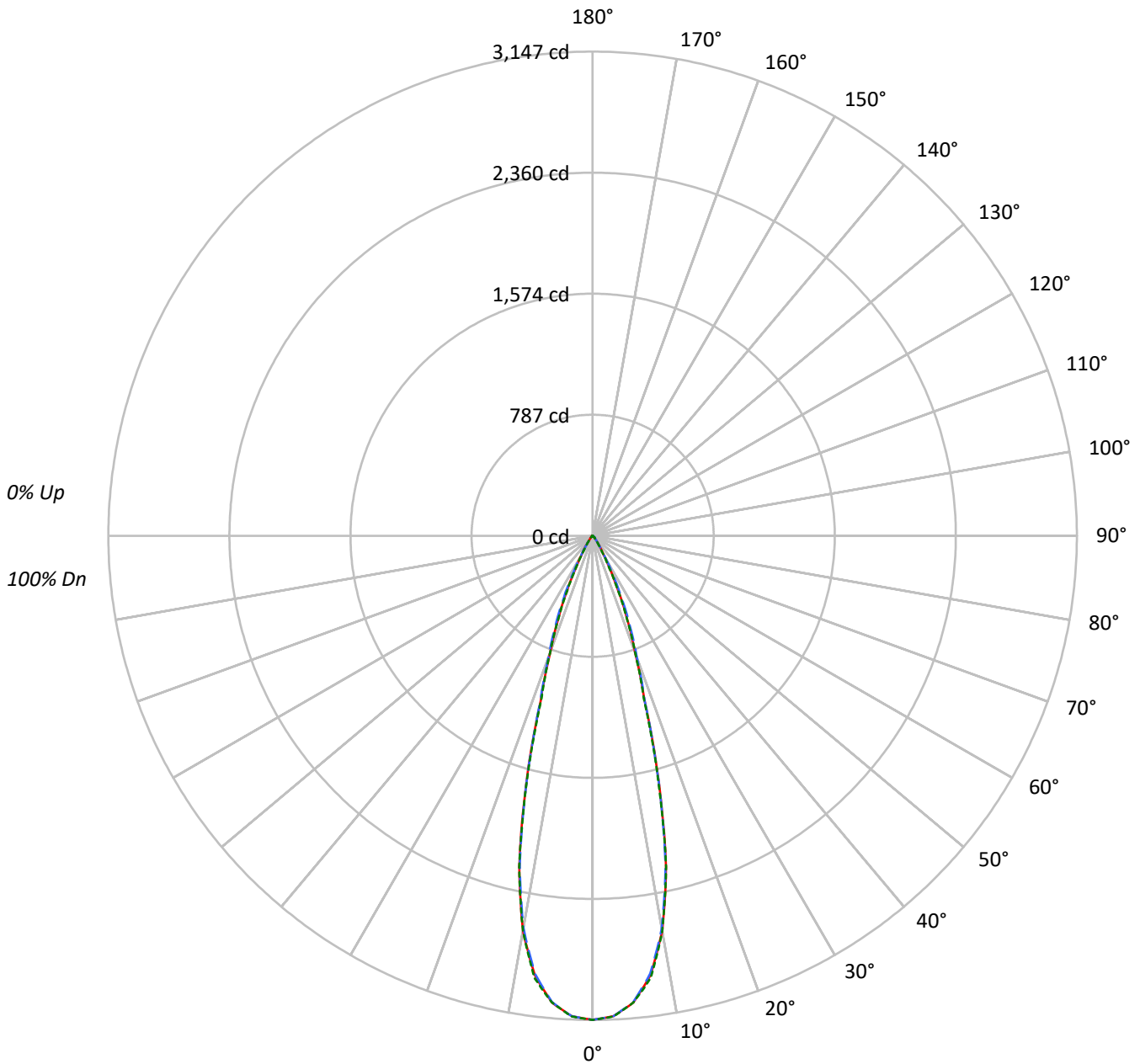
Downlight



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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°	240851	240851	240851
5°	233942	233665	233950
10°	202627	201197	202580
15°	132202	131497	130831
20°	65743	68203	65653
25°	33115	37338	32431
30°	13258	14451	11552
35°	6148	5887	4934
40°	2658	2948	2498
45°	1873	2327	1894
50°	643	1691	679
55°	374	707	387
60°	260	306	260
65°	163	163	163
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: 2327 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	276.7	28.3
10°-20°	445.6	45.5
20°-30°	192.6	19.7
30°-40°	43.9	4.5
40°-50°	15.1	1.5
50°-60°	3.7	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°	914.9	93.5
0°-40°	958.8	98.0
0°-60°	977.5	99.9
0°-90°	978.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	978.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3147	3147	3147	3147	3147	
5°	3045	3042	3041	3048	3045	277
15°	1668	1648	1659	1654	1651	447
25°	392	407	442	397	384	188
35°	66	67	63	63	53	45
45°	17	22	22	22	18	12
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	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3146.6	3146.6	3146.6	3146.6	3146.6
2.5°	3125.8	3123.6	3124.9	3126.4	3127.0
5°	3044.7	3041.7	3041.1	3047.5	3044.8
7.5°	2881.1	2876.9	2870.5	2884.9	2898.4
10°	2607.0	2602.4	2588.6	2595.4	2606.4
12.5°	2202.4	2187.4	2187.1	2208.7	2205.8
15°	1668.3	1648.3	1659.4	1653.9	1651.0
17.5°	1121.9	1114.2	1129.0	1124.5	1105.2
20°	807.1	809.1	837.3	823.1	806.0
22.5°	588.9	596.2	629.7	593.1	579.7
25°	392.1	406.9	442.1	396.6	384.0
27.5°	241.2	248.0	283.7	238.1	231.2
30°	150.0	146.6	163.5	140.3	130.7
32.5°	98.4	94.1	99.5	89.3	81.6
35°	65.8	67.2	63.0	62.6	52.8
37.5°	41.1	47.3	41.7	44.5	34.0
40°	26.6	34.3	29.5	32.6	25.0
42.5°	21.8	26.4	24.2	25.8	22.2
45°	17.3	21.5	21.5	21.5	17.5
47.5°	9.6	14.4	18.4	14.7	10.2
50°	5.4	7.3	14.2	7.6	5.7
52.5°	3.7	4.2	9.7	4.3	3.8
55°	2.8	2.9	5.3	3.1	2.9
57.5°	2.2	2.3	2.8	2.3	2.2
60°	1.7	1.7	2.0	1.8	1.7
62.5°	1.3	1.3	1.4	1.3	1.3
65°	0.9	0.9	0.9	0.9	0.9
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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