

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P770288

Luminaire Tested: LD6D70BD010-EU6DR3070959027-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770288  
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: LD6D70BD010-EU6DR3070959027-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6825.2 lumens  
Efficiency: N/A  
Efficacy: 102.5 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): 66.6  
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

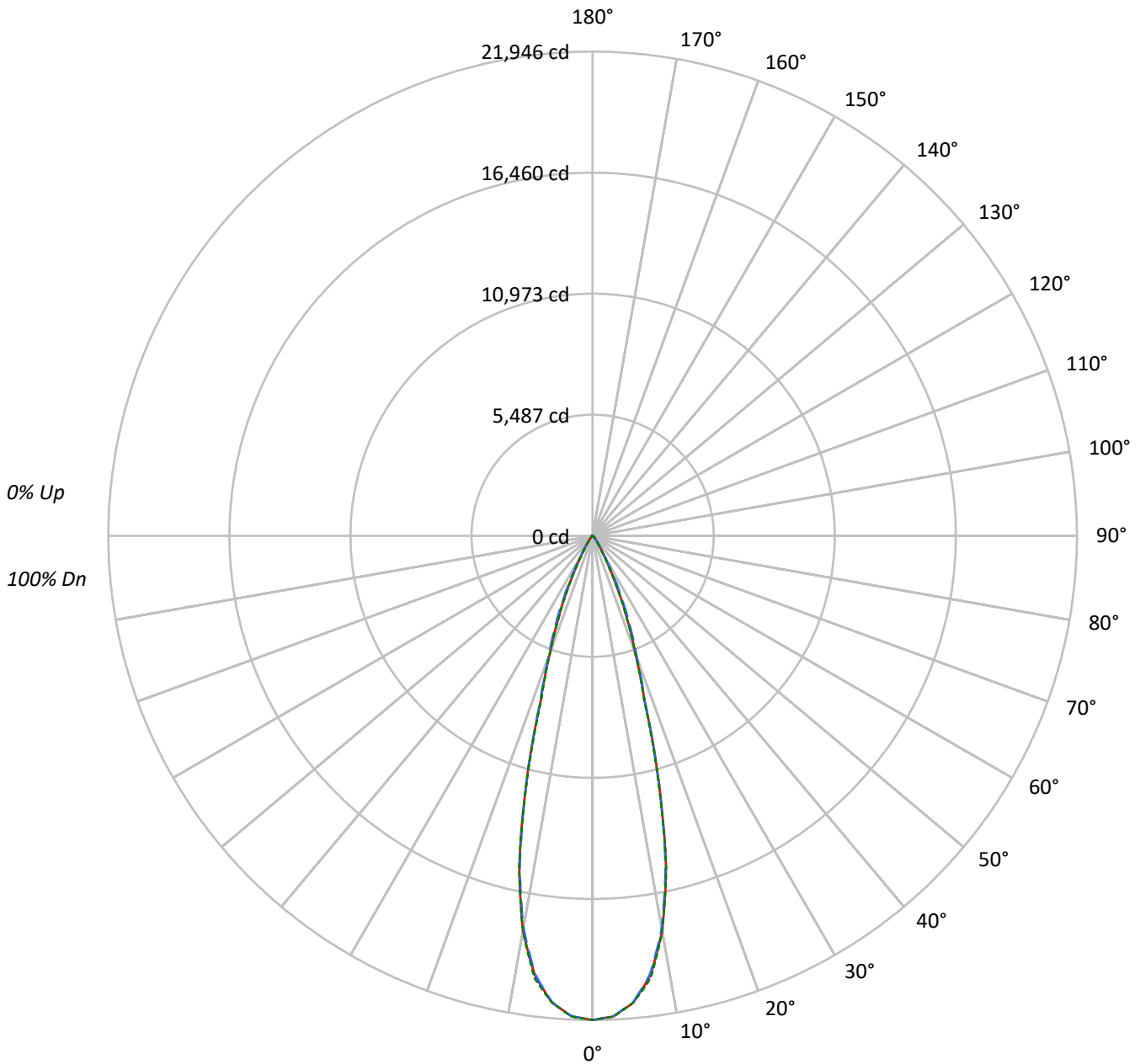


Downlight

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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					70					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								
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°	1679844	1679844	1679844
5°	1631615	1629710	1631700
10°	1413228	1403264	1412894
15°	922062	917109	912497
20°	458498	475702	457887
25°	230963	260446	226225
30°	92468	100759	80571
35°	42890	41077	34433
40°	18515	20564	17446
45°	13066	16216	13185
50°	4489	11801	4751
55°	2589	4884	2736
60°	1822	2143	1822
65°	1177	1177	1177
70°	716	492	716
75°	0	325	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 16216 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1929.8	28.3
10°-20°	3108.0	45.5
20°-30°	1343.1	19.7
30°-40°	306.1	4.5
40°-50°	105.1	1.5
50°-60°	25.7	0.4
60°-70°	6.7	0.1
70°-80°	0.7	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°	6380.9	93.5
0°-40°	6687.0	98.0
0°-60°	6817.8	99.9
0°-90°	6825.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6825.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	21946	21946	21946	21946	21946	
5°	21235	21215	21210	21254	21236	1931
15°	11636	11496	11573	11536	11515	3116
25°	2735	2838	3084	2766	2679	1309
35°	459	469	440	436	368	311
45°	121	150	150	150	122	86
55°	19	20	37	22	20	19
65°	6	6	6	6	6	6
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°	21946.3	21946.3	21946.3	21946.3	21946.3
2.5°	21800.8	21785.7	21794.3	21805.1	21809.4
5°	21235.1	21214.6	21210.3	21254.5	21236.2
7.5°	20094.1	20065.0	20020.8	20121.0	20214.7
10°	18182.6	18150.3	18054.4	18101.8	18178.3
12.5°	15360.7	15256.1	15254.0	15404.8	15384.4
15°	11635.8	11495.7	11573.3	11535.6	11515.1
17.5°	7824.7	7770.8	7874.3	7843.0	7708.3
20°	5628.8	5642.8	5840.0	5740.9	5621.3
22.5°	4107.4	4158.0	4391.8	4136.5	4042.7
25°	2734.7	2838.1	3083.8	2765.9	2678.6
27.5°	1682.0	1729.4	1978.3	1660.4	1613.0
30°	1046.2	1022.5	1140.0	978.4	911.6
32.5°	686.4	656.2	693.9	622.8	568.9
35°	459.0	468.7	439.6	436.4	368.5
37.5°	286.6	329.7	290.9	310.3	237.0
40°	185.3	239.2	205.8	227.3	174.6
42.5°	151.9	184.3	169.2	179.9	155.2
45°	120.7	149.8	149.8	149.8	121.8
47.5°	66.8	100.2	128.2	102.4	71.1
50°	37.7	50.6	99.1	52.8	39.9
52.5°	25.9	29.1	67.9	30.2	26.9
55°	19.4	20.5	36.6	21.5	20.5
57.5°	15.1	16.2	19.4	16.2	15.1
60°	11.9	11.9	14.0	12.9	11.9
62.5°	8.6	8.6	9.7	8.6	8.6
65°	6.5	6.5	6.5	6.5	6.5
67.5°	3.2	4.3	4.3	4.3	4.3
70°	3.2	2.2	2.2	2.2	3.2
72.5°	2.2	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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

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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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(END OF REPORT)