

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: P770327

Luminaire Tested: LD6D70BD010-EU6DR3070959040-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770327
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-EU6DR3070959040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7437.7 lumens
Efficiency: N/A
Efficacy: 111.7 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_{in}): 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

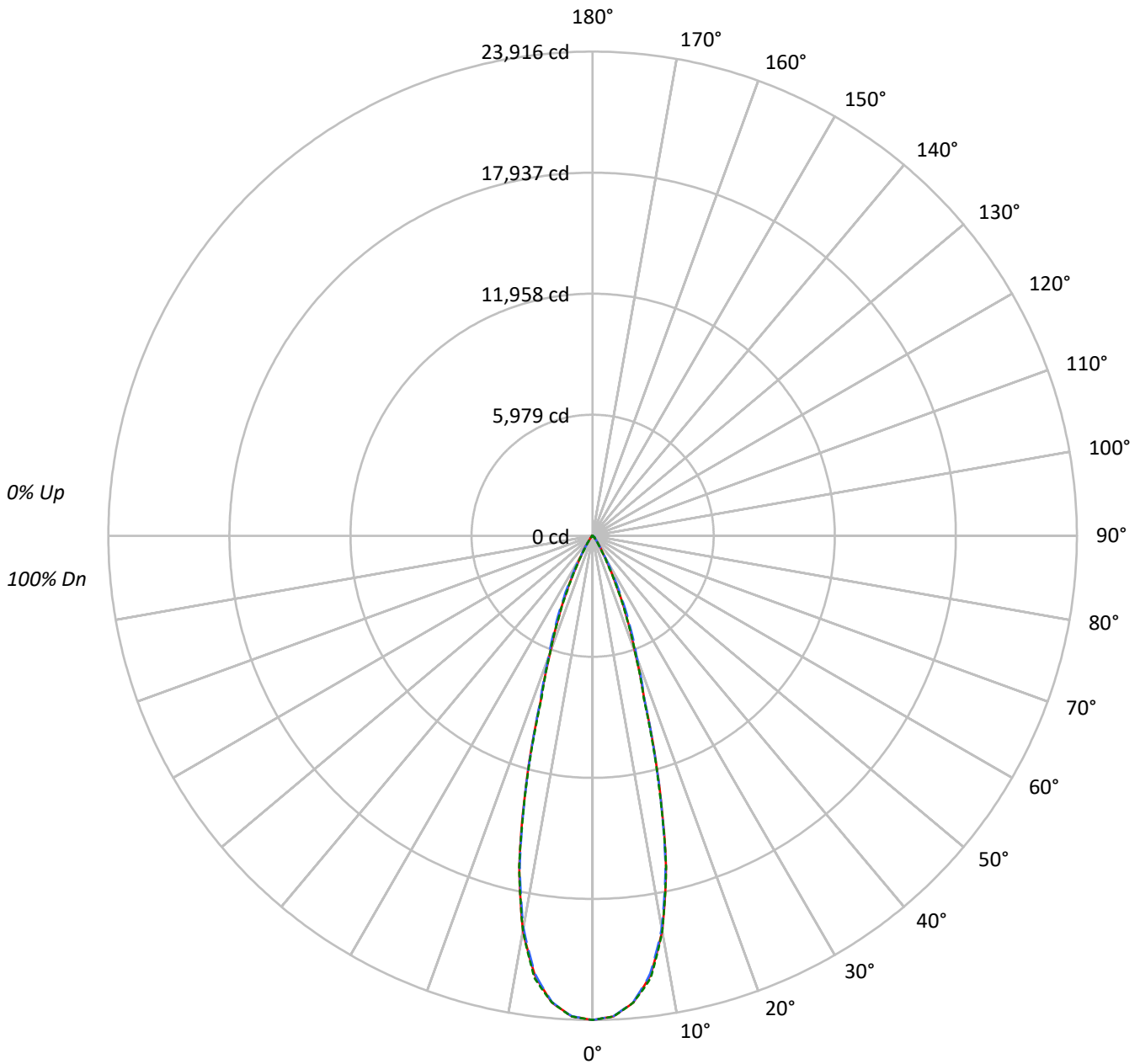


Downlight

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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																			
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°	1830597	1830597	1830597
5°	1778041	1775967	1778134
10°	1540058	1529193	1539693
15°	1004808	999412	994388
20°	499642	518393	498974
25°	251688	283815	246528
30°	100767	109800	87801
35°	46740	44768	37526
40°	20184	22412	19005
45°	14235	17666	14365
50°	4894	12861	5168
55°	2816	5325	2976
60°	1975	2342	1975
65°	1268	1268	1268
70°	783	515	783
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 17666 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2103.0	28.3
10°-20°	3387.0	45.5
20°-30°	1463.6	19.7
30°-40°	333.6	4.5
40°-50°	114.5	1.5
50°-60°	28.0	0.4
60°-70°	7.2	0.1
70°-80°	0.8	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°	6953.6	93.5
0°-40°	7287.2	98.0
0°-60°	7429.7	99.9
0°-90°	7437.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7437.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23916	23916	23916	23916	23916	
5°	23141	23118	23114	23162	23142	2105
15°	12680	12527	12612	12571	12548	3395
25°	2980	3093	3360	3014	2919	1426
35°	500	511	479	476	402	339
45°	132	163	163	163	133	93
55°	21	22	40	24	22	21
65°	7	7	7	7	7	7
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°	23915.8	23915.8	23915.8	23915.8	23915.8
2.5°	23757.3	23740.8	23750.2	23762.0	23766.7
5°	23140.8	23118.5	23113.8	23162.0	23142.0
7.5°	21897.4	21865.7	21817.5	21926.7	22028.9
10°	19814.4	19779.1	19674.6	19726.3	19809.7
12.5°	16739.2	16625.3	16622.9	16787.3	16765.0
15°	12680.0	12527.4	12611.9	12570.8	12548.5
17.5°	8526.9	8468.2	8580.9	8546.9	8400.1
20°	6133.9	6149.2	6364.1	6256.1	6125.7
22.5°	4476.0	4531.2	4786.0	4507.7	4405.5
25°	2980.1	3092.8	3360.5	3014.1	2919.0
27.5°	1832.9	1884.6	2155.8	1809.4	1757.8
30°	1140.1	1114.3	1242.3	1066.2	993.4
32.5°	748.0	715.1	756.2	678.7	620.0
35°	500.2	510.8	479.1	475.5	401.6
37.5°	312.3	359.3	317.0	338.2	258.3
40°	202.0	260.7	224.3	247.8	190.2
42.5°	165.6	200.8	184.3	196.1	169.1
45°	131.5	163.2	163.2	163.2	132.7
47.5°	72.8	109.2	139.7	111.5	77.5
50°	41.1	55.2	108.0	57.5	43.4
52.5°	28.2	31.7	74.0	32.9	29.4
55°	21.1	22.3	39.9	23.5	22.3
57.5°	16.4	17.6	21.1	17.6	16.4
60°	12.9	12.9	15.3	14.1	12.9
62.5°	9.4	9.4	10.6	9.4	9.4
65°	7.0	7.0	7.0	7.0	7.0
67.5°	3.5	4.7	4.7	4.7	4.7
70°	3.5	2.3	2.3	2.3	3.5
72.5°	2.3	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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

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

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