

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: P770341

Luminaire Tested: LD6D70BD010-EU6DR3070959050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770341
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-EU6DR3070959050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8287.5 lumens
Efficiency: N/A
Efficacy: 124.4 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

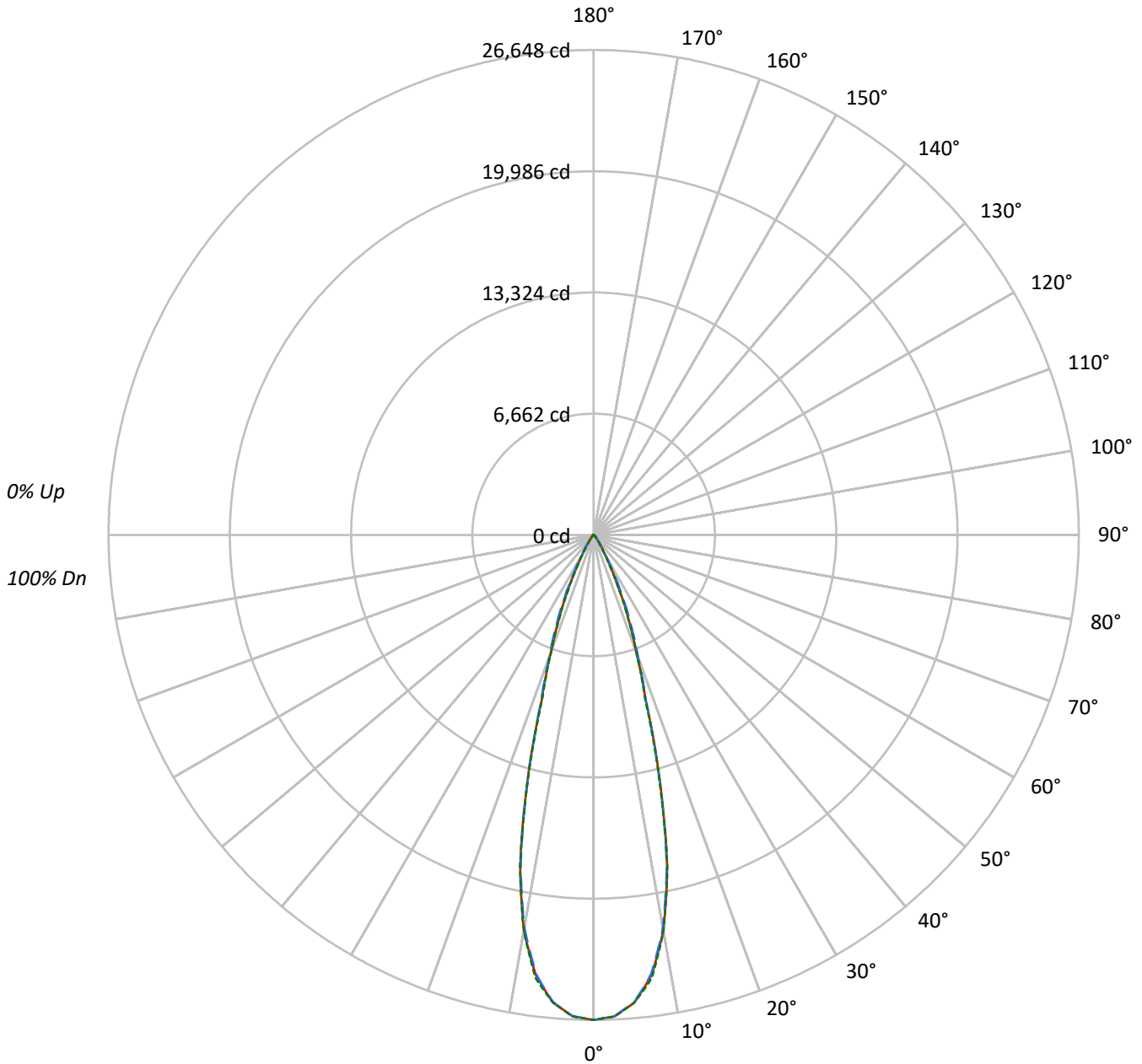


Downlight

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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	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°	2039744	2039744	2039744
5°	1981188	1978875	1981287
10°	1716010	1703909	1715606
15°	1119608	1113594	1107999
20°	556734	577619	555985
25°	280446	316247	274694
30°	112284	122342	97833
35°	52085	49879	41815
40°	22482	24970	21183
45°	15858	19690	15999
50°	5454	14337	5763
55°	3149	5938	3323
60°	2204	2602	2204
65°	1431	1431	1431
70°	873	582	873
75°	0	384	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 19690 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2343.3	28.3
10°-20°	3773.9	45.5
20°-30°	1630.8	19.7
30°-40°	371.7	4.5
40°-50°	127.6	1.5
50°-60°	31.2	0.4
60°-70°	8.1	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°	7748.0	93.5
0°-40°	8119.7	98.0
0°-60°	8278.5	99.9
0°-90°	8287.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8287.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26648	26648	26648	26648	26648	
5°	25785	25760	25755	25808	25786	2345
15°	14129	13959	14053	14007	13982	3783
25°	3321	3446	3744	3358	3252	1589
35°	557	569	534	530	448	378
45°	146	182	182	182	148	104
55°	24	25	44	26	25	23
65°	8	8	8	8	8	8
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°	26648.2	26648.2	26648.2	26648.2	26648.2
2.5°	26471.6	26453.3	26463.7	26476.8	26482.0
5°	25784.7	25759.8	25754.6	25808.3	25786.0
7.5°	24399.2	24363.9	24310.2	24431.9	24545.7
10°	22078.2	22038.9	21922.5	21980.1	22073.0
12.5°	18651.7	18524.7	18522.1	18705.3	18680.4
15°	14128.7	13958.6	14052.8	14007.1	13982.2
17.5°	9501.1	9435.7	9561.3	9523.4	9359.8
20°	6834.8	6851.8	7091.2	6970.8	6825.6
22.5°	4987.4	5048.9	5332.8	5022.7	4908.9
25°	3320.6	3446.2	3744.5	3358.5	3252.5
27.5°	2042.3	2099.9	2402.1	2016.1	1958.6
30°	1270.4	1241.6	1384.2	1188.0	1106.9
32.5°	833.4	796.8	842.6	756.2	690.8
35°	557.4	569.1	533.8	529.9	447.5
37.5°	348.0	400.4	353.3	376.8	287.8
40°	225.0	290.5	249.9	276.1	212.0
42.5°	184.5	223.7	205.4	218.5	188.4
45°	146.5	181.9	181.9	181.9	147.8
47.5°	81.1	121.7	155.7	124.3	86.4
50°	45.8	61.5	120.4	64.1	48.4
52.5°	31.4	35.3	82.4	36.6	32.7
55°	23.6	24.9	44.5	26.2	24.9
57.5°	18.3	19.6	23.6	19.6	18.3
60°	14.4	14.4	17.0	15.7	14.4
62.5°	10.5	10.5	11.8	10.5	10.5
65°	7.9	7.9	7.9	7.9	7.9
67.5°	3.9	5.2	5.2	5.2	5.2
70°	3.9	2.6	2.6	2.6	3.9
72.5°	2.6	1.3	1.3	1.3	1.3
75°	0.0	0.0	1.3	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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