

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: P771849

Luminaire Tested: LD6D80BD010-EU6DR3070959027-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771849
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: LD6D80BD010-EU6DR3070959027-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9041.9 lumens
Efficiency: N/A
Efficacy: 114.6 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): 78.9
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

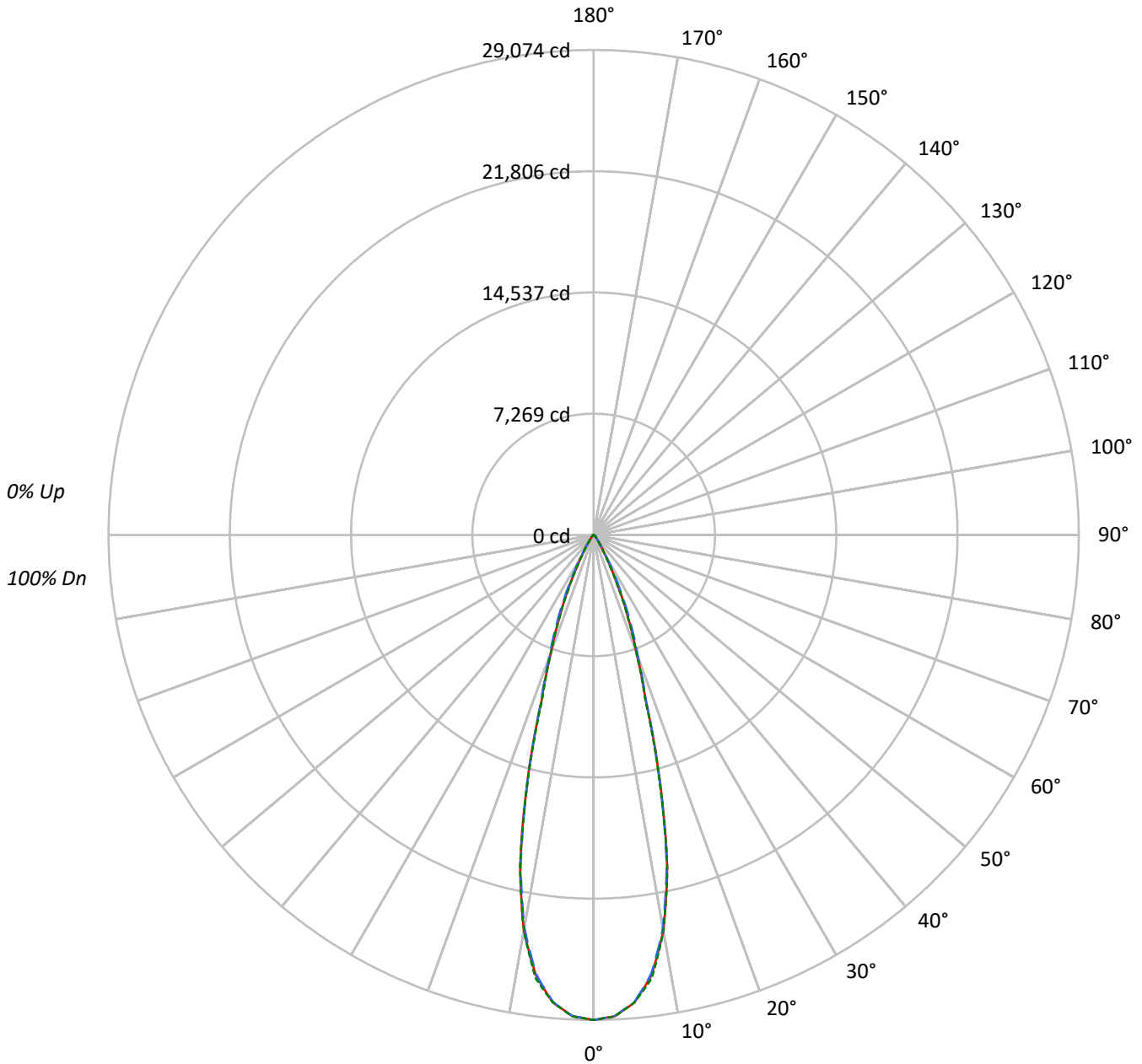


Downlight

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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°	2225415	2225415	2225415
5°	2161529	2159009	2161644
10°	1872213	1859007	1871770
15°	1221524	1214962	1208860
20°	607408	630199	606593
25°	305968	345029	299702
30°	122501	133479	106733
35°	56822	54421	45618
40°	24530	27238	23102
45°	17309	21477	17461
50°	5954	15635	6287
55°	3430	6472	3616
60°	2403	2847	2403
65°	1558	1558	1558
70°	962	649	962
75°	0	414	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 21477 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2556.6	28.3
10°-20°	4117.5	45.5
20°-30°	1779.3	19.7
30°-40°	405.5	4.5
40°-50°	139.2	1.5
50°-60°	34.0	0.4
60°-70°	8.8	0.1
70°-80°	0.9	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°	8453.3	93.5
0°-40°	8858.8	98.0
0°-60°	9032.1	99.9
0°-90°	9041.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9041.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	29074	29074	29074	29074	29074	
5°	28132	28105	28099	28158	28133	2559
15°	15415	15229	15332	15282	15255	4128
25°	3623	3760	4085	3664	3549	1734
35°	608	621	582	578	488	412
45°	160	198	198	198	161	113
55°	26	27	48	28	27	25
65°	9	9	9	9	9	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°	29073.9	29073.9	29073.9	29073.9	29073.9
2.5°	28881.2	28861.2	28872.7	28886.9	28892.6
5°	28131.8	28104.7	28099.0	28157.5	28133.3
7.5°	26620.2	26581.6	26523.1	26655.9	26780.0
10°	24087.9	24045.1	23918.0	23980.9	24082.2
12.5°	20349.5	20211.0	20208.2	20408.0	20380.9
15°	15414.8	15229.3	15332.0	15282.1	15255.0
17.5°	10366.0	10294.6	10431.7	10390.3	10211.8
20°	7456.9	7475.5	7736.7	7605.4	7446.9
22.5°	5441.4	5508.5	5818.2	5479.9	5355.7
25°	3622.8	3759.9	4085.3	3664.2	3548.6
27.5°	2228.2	2291.0	2620.8	2199.7	2136.9
30°	1386.0	1354.6	1510.2	1296.1	1207.6
32.5°	909.3	869.3	919.3	825.1	753.7
35°	608.1	620.9	582.4	578.1	488.2
37.5°	379.7	436.8	385.4	411.1	314.0
40°	245.5	316.9	272.6	301.2	231.2
42.5°	201.3	244.1	224.1	238.4	205.6
45°	159.9	198.4	198.4	198.4	161.3
47.5°	88.5	132.8	169.9	135.6	94.2
50°	50.0	67.1	131.3	69.9	52.8
52.5°	34.3	38.5	89.9	40.0	35.7
55°	25.7	27.1	48.5	28.5	27.1
57.5°	20.0	21.4	25.7	21.4	20.0
60°	15.7	15.7	18.6	17.1	15.7
62.5°	11.4	11.4	12.8	11.4	11.4
65°	8.6	8.6	8.6	8.6	8.6
67.5°	4.3	5.7	5.7	5.7	5.7
70°	4.3	2.9	2.9	2.9	4.3
72.5°	2.9	1.4	1.4	1.4	1.4
75°	0.0	0.0	1.4	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



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Scaled Data Report





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

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