

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: P771862

Luminaire Tested: LD6D80BD010-EU6DR3070959030-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771862
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-EU6DR3070959030-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9315.1 lumens
Efficiency: N/A
Efficacy: 118.1 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

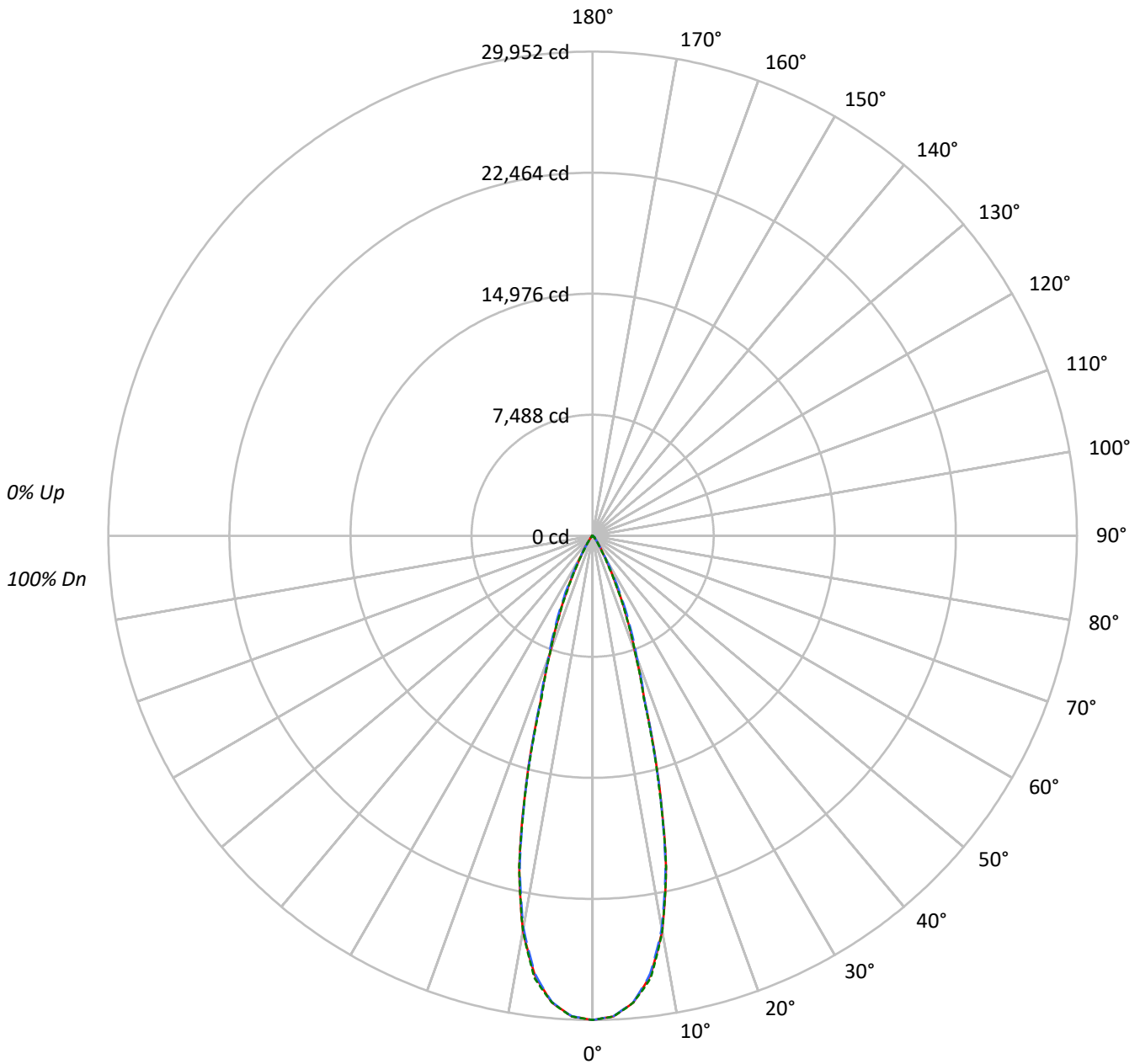


Downlight

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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°	2292666	2292666	2292666
5°	2226855	2224250	2226962
10°	1928788	1915186	1928337
15°	1258443	1251684	1245392
20°	625760	649243	624929
25°	315216	355460	308755
30°	126205	137518	109959
35°	58542	56065	46992
40°	25270	28068	23801
45°	17829	22126	17991
50°	6133	16112	6478
55°	3536	6672	3723
60°	2480	2924	2480
65°	1594	1594	1594
70°	985	649	985
75°	0	444	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 22126 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2633.9	28.3
10°-20°	4241.9	45.5
20°-30°	1833.0	19.7
30°-40°	417.8	4.5
40°-50°	143.5	1.5
50°-60°	35.0	0.4
60°-70°	9.1	0.1
70°-80°	1.0	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°	8708.8	93.5
0°-40°	9126.6	98.0
0°-60°	9305.1	99.9
0°-90°	9315.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9315.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	29952	29952	29952	29952	29952	
5°	28982	28954	28948	29008	28983	2636
15°	15881	15690	15795	15744	15716	4252
25°	3732	3874	4209	3775	3656	1787
35°	626	640	600	596	503	425
45°	165	204	204	204	166	117
55°	26	28	50	29	28	26
65°	9	9	9	9	9	9
75°	0	0	2	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°	29952.5	29952.5	29952.5	29952.5	29952.5
2.5°	29754.0	29733.4	29745.2	29759.9	29765.8
5°	28982.0	28954.0	28948.1	29008.4	28983.4
7.5°	27424.6	27384.9	27324.6	27461.4	27589.3
10°	24815.8	24771.7	24640.8	24705.5	24810.0
12.5°	20964.4	20821.8	20818.8	21024.7	20996.8
15°	15880.7	15689.5	15795.4	15743.9	15716.0
17.5°	10679.3	10605.7	10746.9	10704.3	10520.4
20°	7682.2	7701.4	7970.5	7835.2	7672.0
22.5°	5605.8	5674.9	5994.0	5645.5	5517.6
25°	3732.3	3873.5	4208.8	3774.9	3655.8
27.5°	2295.6	2360.3	2700.0	2266.1	2201.4
30°	1427.9	1395.6	1555.9	1335.3	1244.1
32.5°	936.8	895.6	947.0	850.0	776.5
35°	626.5	639.7	600.0	595.6	502.9
37.5°	391.2	450.0	397.1	423.5	323.5
40°	252.9	326.5	280.9	310.3	238.2
42.5°	207.4	251.5	230.9	245.6	211.8
45°	164.7	204.4	204.4	204.4	166.2
47.5°	91.2	136.8	175.0	139.7	97.1
50°	51.5	69.1	135.3	72.1	54.4
52.5°	35.3	39.7	92.6	41.2	36.8
55°	26.5	27.9	50.0	29.4	27.9
57.5°	20.6	22.1	26.5	22.1	20.6
60°	16.2	16.2	19.1	17.6	16.2
62.5°	11.8	11.8	13.2	11.8	11.8
65°	8.8	8.8	8.8	8.8	8.8
67.5°	4.4	5.9	5.9	5.9	5.9
70°	4.4	2.9	2.9	2.9	4.4
72.5°	2.9	1.5	1.5	1.5	1.5
75°	0.0	0.0	1.5	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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