

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: P760187

Luminaire Tested: LD6D10D010-EU6DR300210IC9030-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760187
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: LD6D10D010-EU6DR300210IC9030-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 926.9 lumens
Efficiency: N/A
Efficacy: 79.2 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): 11.7
Input Voltage (V): NR
Input Current (Ain): 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



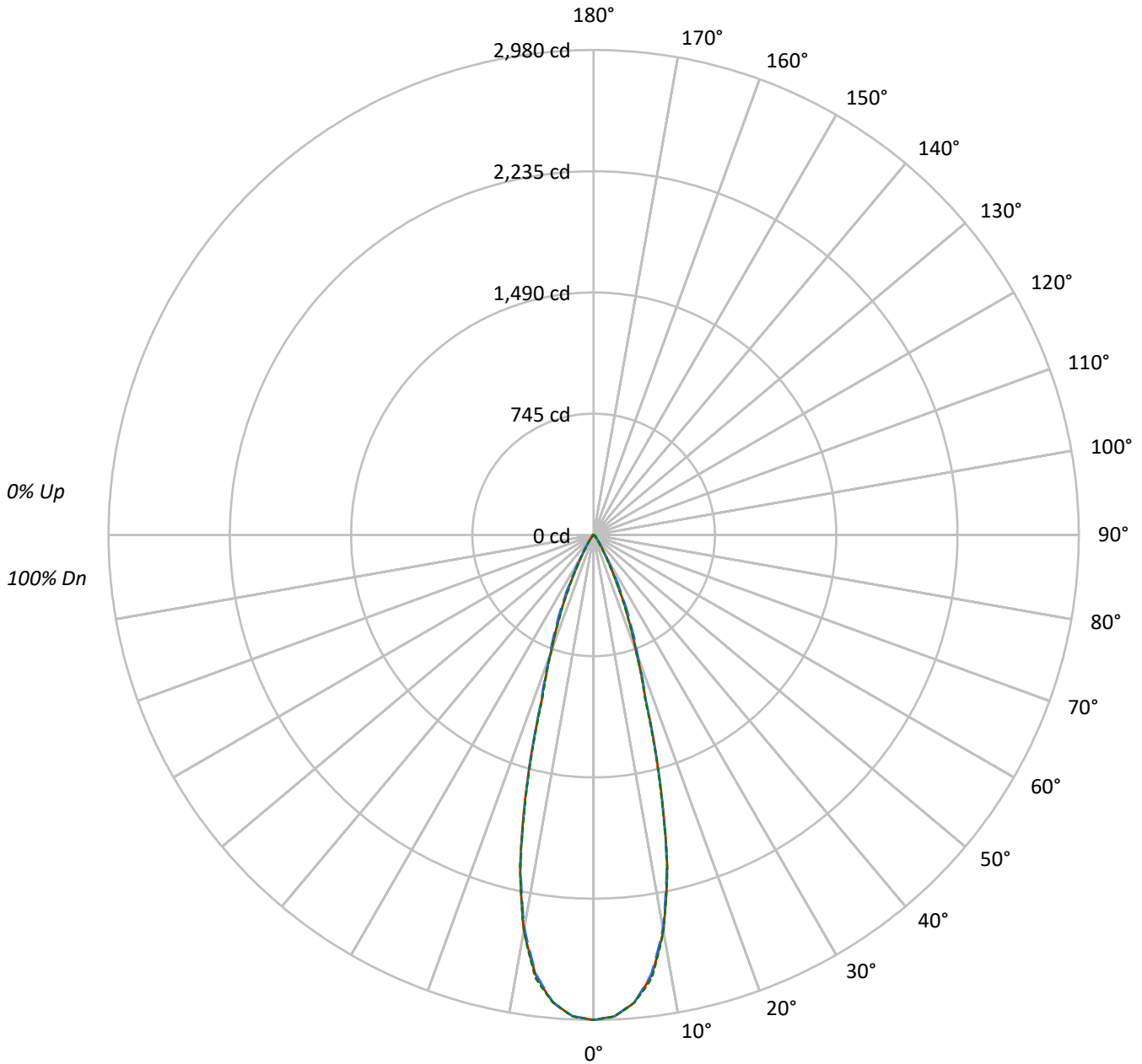
Downlight



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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						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	228115	228115	228115
5°	221571	221310	221579
10°	191909	190556	191870
15°	125213	124539	123913
20°	62265	64594	62175
25°	31359	35370	30725
30°	12559	13682	10942
35°	5821	5579	4672
40°	2518	2798	2368
45°	1775	2197	1797
50°	607	1608	643
55°	347	667	374
60°	245	291	245
65°	163	163	163
70°	112	67	112
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2197 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.1	28.3
10°-20°	422.1	45.5
20°-30°	182.4	19.7
30°-40°	41.6	4.5
40°-50°	14.3	1.5
50°-60°	3.5	0.4
60°-70°	0.9	0.1
70°-80°	0.1	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°	866.5	93.5
0°-40°	908.1	98.0
0°-60°	925.8	99.9
0°-90°	926.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	926.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2980	2980	2980	2980	2980	
5°	2884	2881	2880	2886	2884	262
15°	1580	1561	1572	1566	1564	423
25°	371	385	419	376	364	178
35°	62	64	60	59	50	42
45°	16	20	20	20	17	12
55°	3	3	5	3	3	3
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2980.2	2980.2	2980.2	2980.2	2980.2
2.5°	2960.4	2958.4	2959.6	2961.1	2961.6
5°	2883.7	2880.9	2880.3	2886.3	2883.8
7.5°	2728.7	2724.7	2718.8	2732.3	2745.1
10°	2469.1	2464.7	2451.7	2458.1	2468.6
12.5°	2085.9	2071.7	2071.4	2091.9	2089.2
15°	1580.1	1561.1	1571.6	1566.5	1563.7
17.5°	1062.5	1055.3	1069.3	1065.1	1046.8
20°	764.4	766.3	793.0	779.6	763.3
22.5°	557.8	564.6	596.4	561.7	549.0
25°	371.3	385.4	418.8	375.6	363.8
27.5°	228.4	234.9	268.7	225.5	219.0
30°	142.1	138.9	154.8	132.9	123.8
32.5°	93.2	89.1	94.3	84.6	77.2
35°	62.3	63.7	59.7	59.2	50.0
37.5°	38.9	44.7	39.5	42.1	32.2
40°	25.2	32.5	28.0	30.9	23.7
42.5°	20.6	25.0	23.0	24.4	21.1
45°	16.4	20.3	20.3	20.3	16.6
47.5°	9.1	13.6	17.4	13.9	9.7
50°	5.1	6.9	13.5	7.2	5.4
52.5°	3.5	4.0	9.2	4.1	3.7
55°	2.6	2.8	5.0	2.9	2.8
57.5°	2.1	2.2	2.6	2.2	2.1
60°	1.6	1.6	1.9	1.8	1.6
62.5°	1.1	1.1	1.3	1.1	1.1
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.5	0.6	0.6	0.6	0.6
70°	0.5	0.3	0.3	0.3	0.5
72.5°	0.3	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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

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

Scaled Data Report



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Scaled Data Report





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

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