

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: P760238

Luminaire Tested: LD6D10D010-EU6DR300210IC9050-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760238
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-EU6DR300210IC9050-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 914.8 lumens
Efficiency: N/A
Efficacy: 78.2 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 (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

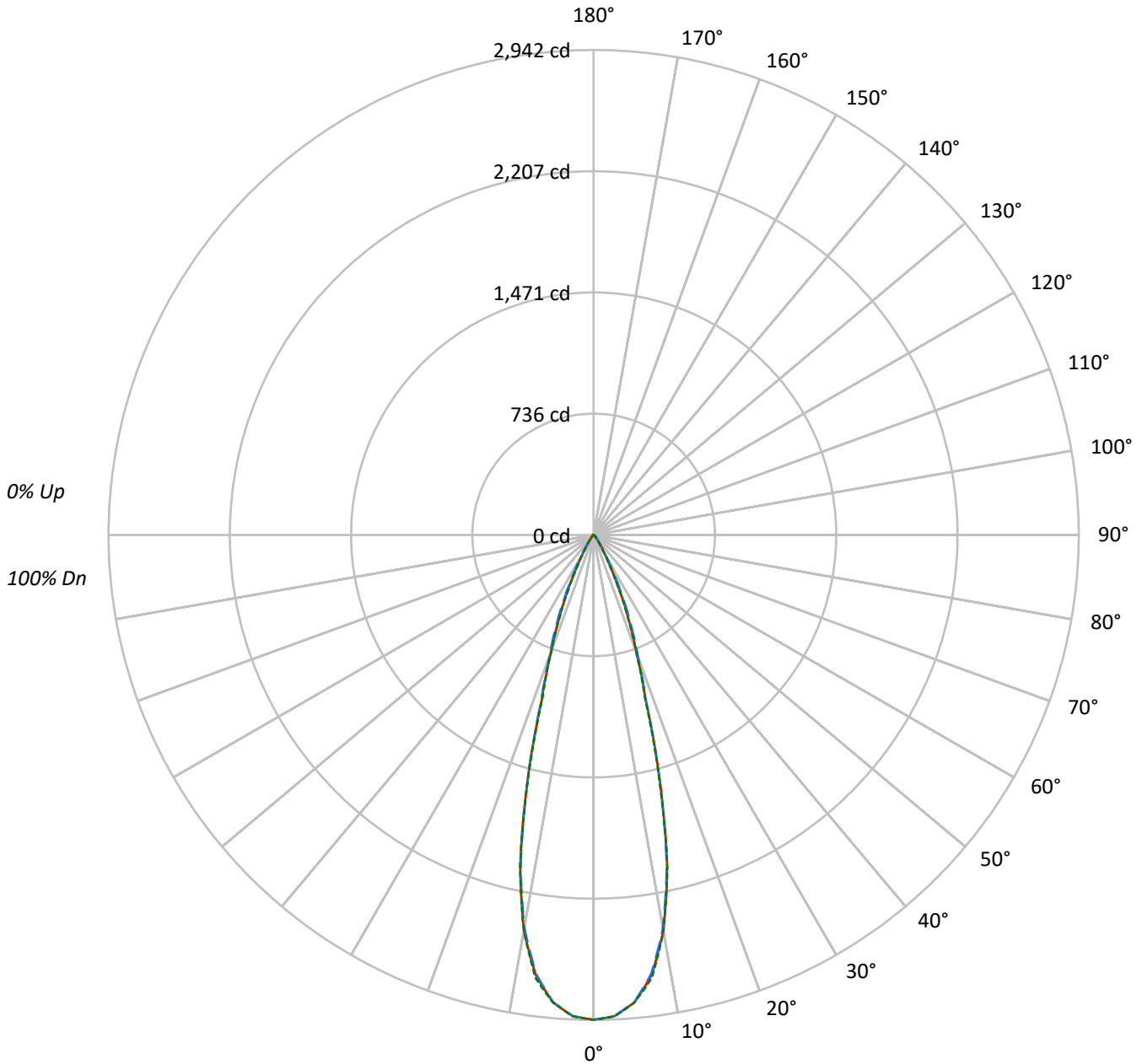


Downlight



TEST NUMBER: P760238
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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°	225152	225152	225152
5°	218690	218436	218705
10°	189422	188085	189375
15°	123588	122923	122305
20°	61458	63764	61369
25°	30953	34906	30320
30°	12400	13505	10801
35°	5747	5504	4616
40°	2488	2758	2338
45°	1754	2176	1764
50°	595	1584	631
55°	347	654	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: 2176 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.7	28.3
10°-20°	416.6	45.5
20°-30°	180.0	19.7
30°-40°	41.0	4.5
40°-50°	14.1	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°	855.3	93.5
0°-40°	896.3	98.0
0°-60°	913.8	99.9
0°-90°	914.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	914.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2942	2942	2942	2942	2942	
5°	2846	2844	2843	2849	2846	259
15°	1560	1541	1551	1546	1543	418
25°	366	380	413	371	359	175
35°	62	63	59	58	49	42
45°	16	20	20	20	16	11
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°	2941.5	2941.5	2941.5	2941.5	2941.5
2.5°	2922.0	2920.0	2921.2	2922.6	2923.2
5°	2846.2	2843.5	2842.9	2848.8	2846.4
7.5°	2693.3	2689.4	2683.5	2696.9	2709.5
10°	2437.1	2432.7	2419.9	2426.3	2436.5
12.5°	2058.8	2044.9	2044.6	2064.7	2062.0
15°	1559.6	1540.8	1551.2	1546.2	1543.4
17.5°	1048.8	1041.6	1055.4	1051.3	1033.2
20°	754.5	756.4	782.8	769.5	753.4
22.5°	550.5	557.3	588.6	554.4	541.8
25°	366.5	380.4	413.3	370.7	359.0
27.5°	225.5	231.8	265.2	222.5	216.2
30°	140.3	137.0	152.8	131.1	122.2
32.5°	92.0	87.9	93.0	83.5	76.3
35°	61.5	62.8	58.9	58.5	49.4
37.5°	38.4	44.2	39.0	41.6	31.8
40°	24.9	32.1	27.6	30.5	23.4
42.5°	20.3	24.7	22.7	24.1	20.8
45°	16.2	20.1	20.1	20.1	16.3
47.5°	8.9	13.4	17.2	13.7	9.5
50°	5.0	6.8	13.3	7.1	5.3
52.5°	3.4	3.9	9.1	4.1	3.6
55°	2.6	2.8	4.9	2.9	2.8
57.5°	2.0	2.2	2.6	2.2	2.0
60°	1.6	1.6	1.9	1.7	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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