

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: P761195

Luminaire Tested: LD6D15D010-EU6DR300215IC9030-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761195
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: LD6D15D010-EU6DR300215IC9030-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1245.6 lumens
Efficiency: N/A
Efficacy: 78.8 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): 15.8
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

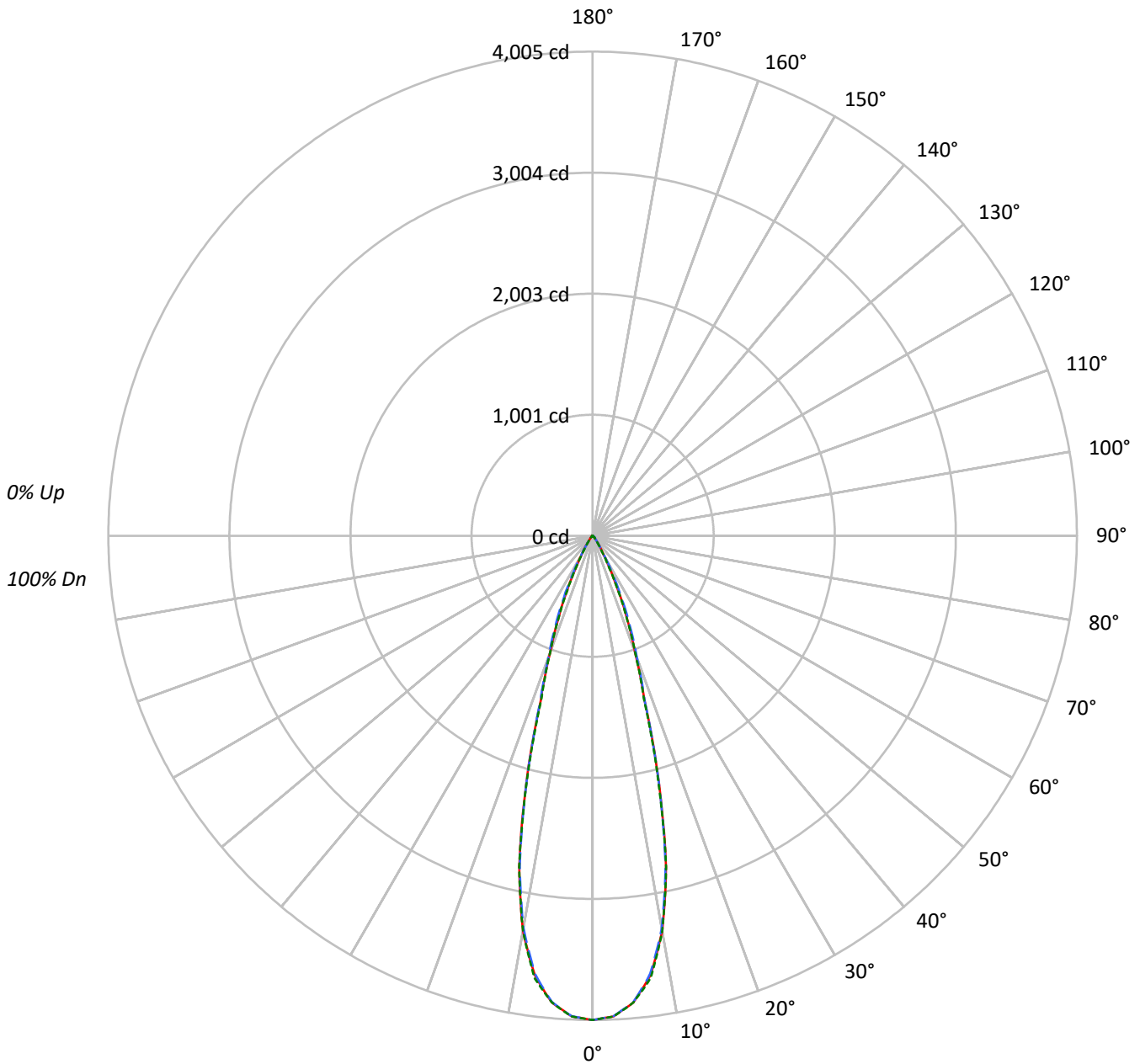


Downlight



TEST NUMBER: P761195
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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°	306572	306572	306572
5°	297769	297424	297785
10°	257920	256093	257858
15°	168274	167370	166530
20°	83671	86816	83565
25°	42152	47532	41282
30°	16881	18384	14707
35°	7830	7494	6289
40°	3377	3757	3187
45°	2381	2955	2403
50°	822	2155	869
55°	480	894	494
60°	337	398	337
65°	217	217	217
70°	134	90	134
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2955 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.2	28.3
10°-20°	567.2	45.5
20°-30°	245.1	19.7
30°-40°	55.9	4.5
40°-50°	19.2	1.5
50°-60°	4.7	0.4
60°-70°	1.2	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°	1164.5	93.5
0°-40°	1220.4	98.0
0°-60°	1244.2	99.9
0°-90°	1245.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1245.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4005	4005	4005	4005	4005	
5°	3875	3872	3871	3879	3876	352
15°	2124	2098	2112	2105	2102	569
25°	499	518	563	505	489	239
35°	84	86	80	80	67	57
45°	22	27	27	27	22	16
55°	4	4	7	4	4	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°	4005.2	4005.2	4005.2	4005.2	4005.2
2.5°	3978.7	3975.9	3977.5	3979.4	3980.2
5°	3875.4	3871.7	3870.9	3879.0	3875.6
7.5°	3667.2	3661.8	3653.8	3672.1	3689.2
10°	3318.4	3312.5	3294.9	3303.6	3317.6
12.5°	2803.3	2784.3	2783.9	2811.4	2807.6
15°	2123.5	2098.0	2112.1	2105.3	2101.5
17.5°	1428.0	1418.2	1437.1	1431.3	1406.8
20°	1027.2	1029.8	1065.8	1047.7	1025.9
22.5°	749.6	758.8	801.5	754.9	737.8
25°	499.1	517.9	562.8	504.8	488.8
27.5°	307.0	315.6	361.0	303.0	294.4
30°	191.0	186.6	208.0	178.5	166.4
32.5°	125.2	119.7	126.6	113.7	103.8
35°	83.8	85.5	80.2	79.6	67.3
37.5°	52.3	60.2	53.1	56.6	43.3
40°	33.8	43.7	37.6	41.5	31.9
42.5°	27.7	33.6	30.9	32.8	28.3
45°	22.0	27.3	27.3	27.3	22.2
47.5°	12.2	18.3	23.4	18.7	13.0
50°	6.9	9.2	18.1	9.6	7.3
52.5°	4.7	5.3	12.4	5.5	4.9
55°	3.6	3.7	6.7	4.0	3.7
57.5°	2.8	2.9	3.6	2.9	2.8
60°	2.2	2.2	2.6	2.3	2.2
62.5°	1.5	1.5	1.8	1.5	1.5
65°	1.2	1.2	1.2	1.2	1.2
67.5°	0.6	0.8	0.8	0.8	0.8
70°	0.6	0.4	0.4	0.4	0.6
72.5°	0.4	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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