

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: P762874

Luminaire Tested: LD6D25D010-EU6DR1515309027-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762874
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D25D010-EU6DR1515309027-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2612.1 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

Input Watts (W): 25.1
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



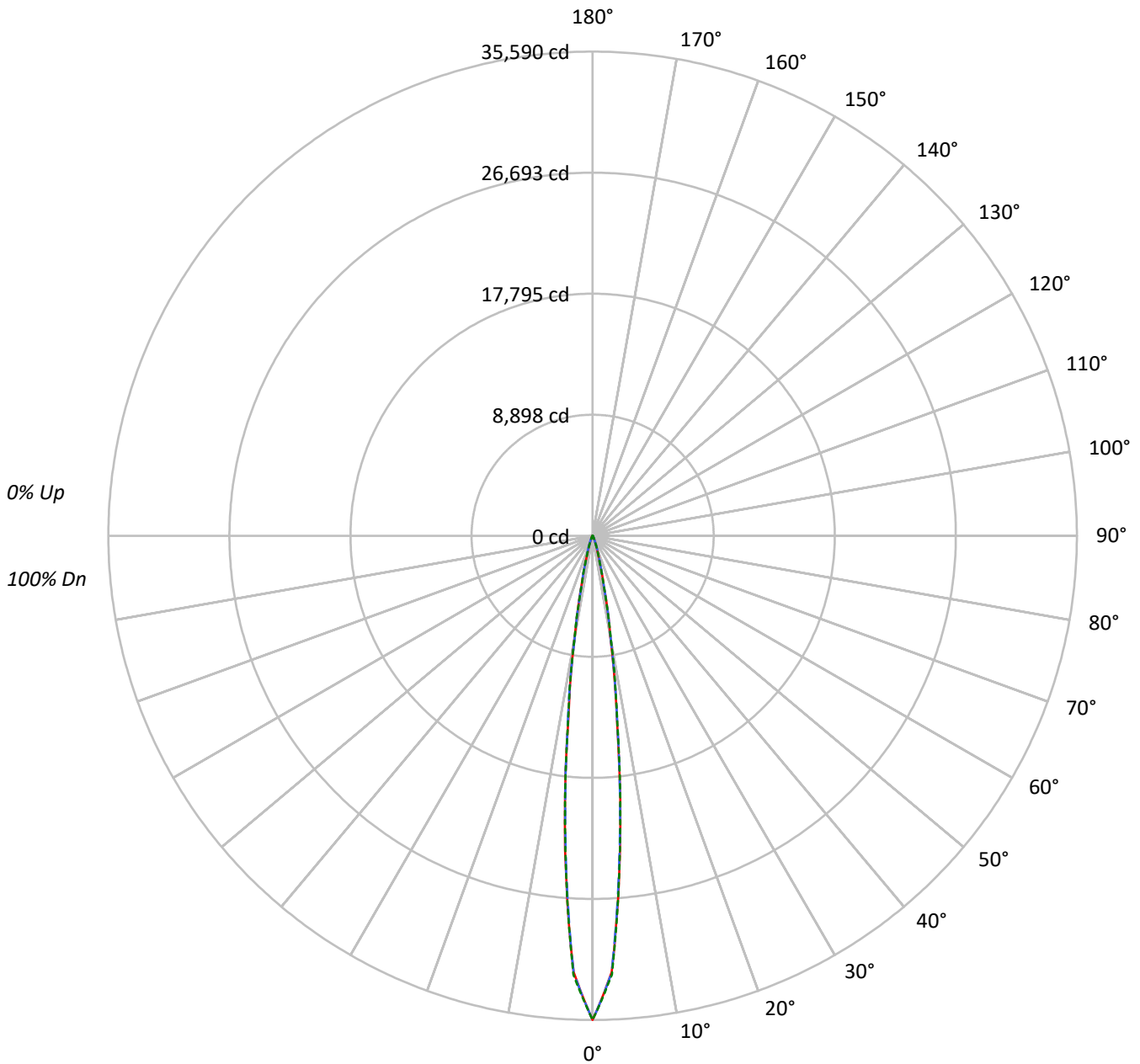
Downlight



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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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4004619	4004619	4004619
5°	2353309	2322830	2341205
10°	702354	707272	718095
15°	174704	178109	172611
20°	52268	60533	53381
25°	18424	23471	18665
30°	6769	8911	6882
35°	3391	3827	3282
40°	2138	2351	2138
45°	1582	1687	1582
50°	1259	1259	1259
55°	1051	1051	1051
60°	850	850	850
65°	642	642	642
70°	549	549	549
75°	340	340	454
80°	236	236	236
85°	125	125	125

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1687 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1694.2	64.9
10°-20°	696.9	26.7
20°-30°	138.4	5.3
30°-40°	34.5	1.3
40°-50°	18.2	0.7
50°-60°	13.5	0.5
60°-70°	9.5	0.4
70°-80°	5.4	0.2
80°-90°	1.6	0.1
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°	2529.4	96.8
0°-40°	2564.0	98.2
0°-60°	2595.6	99.4
0°-90°	2612.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2612.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	35590	35590	35590	35590	35590	
5°	23156	22918	22856	23014	23037	1691
15°	2011	2049	2051	2014	1987	690
25°	236	268	301	267	240	124
35°	47	50	53	50	45	32
45°	23	23	24	23	23	18
55°	15	15	15	15	15	13
65°	9	9	9	9	9	9
75°	4	4	4	4	6	5
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	35590.3	35590.3	35590.3	35590.3	35590.3
2.5°	32103.9	32131.0	32141.6	32173.2	32290.8
5°	23155.9	22917.8	22856.0	23014.2	23036.8
7.5°	13716.6	13764.9	13941.1	13980.3	13838.7
10°	7527.3	7589.0	7580.0	7634.2	7696.0
12.5°	3849.5	3801.3	3786.2	3848.0	3762.1
15°	2011.4	2049.1	2050.6	2014.4	1987.3
17.5°	1081.8	1125.5	1197.8	1139.0	1048.6
20°	638.8	678.0	739.8	691.6	652.4
22.5°	394.7	426.4	470.1	432.4	400.8
25°	236.5	268.2	301.3	266.7	239.6
27.5°	140.1	167.2	188.3	165.7	138.6
30°	90.4	105.5	119.0	104.0	91.9
32.5°	63.3	69.3	75.3	69.3	63.3
35°	46.7	49.7	52.7	49.7	45.2
37.5°	36.2	39.2	40.7	37.7	34.7
40°	30.1	31.6	33.1	31.6	30.1
42.5°	25.6	27.1	27.1	27.1	25.6
45°	22.6	22.6	24.1	22.6	22.6
47.5°	19.6	19.6	21.1	19.6	19.6
50°	18.1	18.1	18.1	18.1	18.1
52.5°	16.6	16.6	16.6	16.6	16.6
55°	15.1	15.1	15.1	15.1	15.1
57.5°	13.6	13.6	13.6	13.6	13.6
60°	12.1	12.1	12.1	12.1	12.1
62.5°	10.5	10.5	10.5	10.5	10.5
65°	9.0	9.0	9.0	9.0	9.0
67.5°	9.0	9.0	9.0	9.0	9.0
70°	7.5	7.5	7.5	7.5	7.5
72.5°	6.0	6.0	6.0	6.0	6.0
75°	4.5	4.5	4.5	4.5	6.0
77.5°	4.5	4.5	4.5	4.5	4.5
80°	3.0	3.0	3.0	3.0	3.0
82.5°	3.0	3.0	3.0	3.0	3.0
85°	1.5	1.5	1.5	1.5	1.5
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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