

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: P763862

Luminaire Tested: LD6D30D010-EU6DR1515309050-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763862
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: LD6D30D010-EU6DR1515309050-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3250.0 lumens
Efficiency: N/A
Efficacy: 112.1 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): 29
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



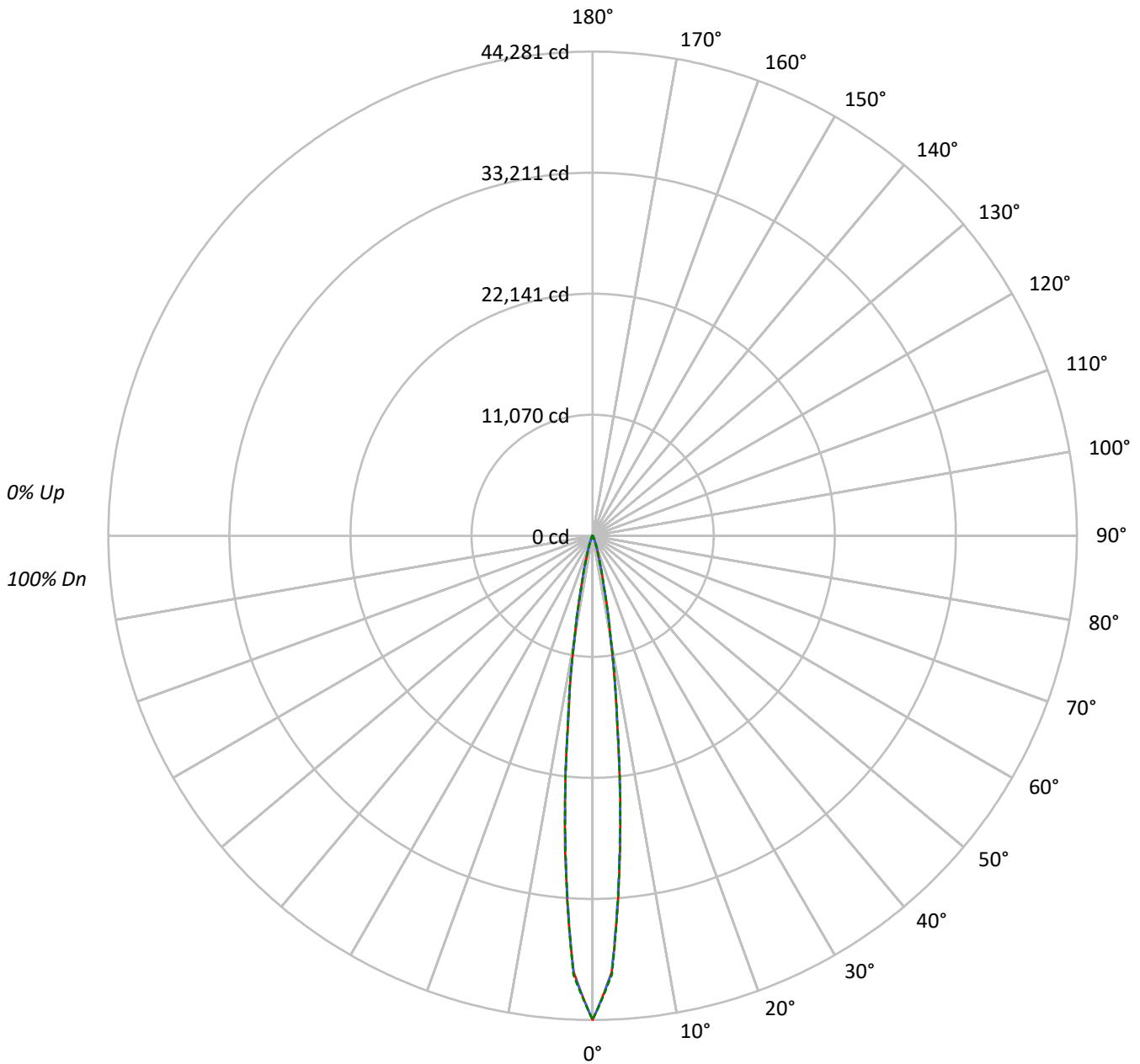
Downlight



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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4982541	4982541	4982541
5°	2927980	2890062	2912928
10°	873863	879984	893458
15°	217368	221598	214762
20°	65033	75310	66416
25°	22926	29205	23222
30°	8424	11090	8559
35°	4219	4764	4081
40°	2663	2926	2663
45°	1967	2100	1967
50°	1565	1565	1565
55°	1302	1302	1302
60°	1053	1053	1053
65°	799	799	799
70°	687	687	687
75°	423	423	567
80°	292	292	292
85°	158	158	158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2100 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2107.9	64.9
10°-20°	867.0	26.7
20°-30°	172.2	5.3
30°-40°	43.0	1.3
40°-50°	22.6	0.7
50°-60°	16.7	0.5
60°-70°	11.8	0.4
70°-80°	6.7	0.2
80°-90°	2.0	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°	3147.1	96.8
0°-40°	3190.1	98.2
0°-60°	3229.4	99.4
0°-90°	3250.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3250.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	44281	44281	44281	44281	44281	
5°	28810	28514	28437	28634	28662	2104
15°	2503	2549	2551	2506	2473	858
25°	294	334	375	332	298	155
35°	58	62	66	62	56	39
45°	28	28	30	28	28	22
55°	19	19	19	19	19	17
65°	11	11	11	11	11	12
75°	6	6	6	6	8	7
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°	44281.4	44281.4	44281.4	44281.4	44281.4
2.5°	39943.6	39977.4	39990.5	40029.9	40176.1
5°	28810.5	28514.3	28437.4	28634.3	28662.4
7.5°	17066.2	17126.2	17345.5	17394.3	17218.1
10°	9365.4	9442.3	9431.0	9498.5	9575.4
12.5°	4789.6	4729.6	4710.8	4787.7	4680.8
15°	2502.6	2549.4	2551.3	2506.3	2472.6
17.5°	1346.0	1400.3	1490.3	1417.2	1304.7
20°	794.8	843.6	920.4	860.4	811.7
22.5°	491.1	530.5	584.9	538.0	498.6
25°	294.3	333.7	374.9	331.8	298.1
27.5°	174.3	208.1	234.3	206.2	172.5
30°	112.5	131.2	148.1	129.3	114.3
32.5°	78.7	86.2	93.7	86.2	78.7
35°	58.1	61.9	65.6	61.9	56.2
37.5°	45.0	48.7	50.6	46.9	43.1
40°	37.5	39.4	41.2	39.4	37.5
42.5°	31.9	33.7	33.7	33.7	31.9
45°	28.1	28.1	30.0	28.1	28.1
47.5°	24.4	24.4	26.2	24.4	24.4
50°	22.5	22.5	22.5	22.5	22.5
52.5°	20.6	20.6	20.6	20.6	20.6
55°	18.7	18.7	18.7	18.7	18.7
57.5°	16.9	16.9	16.9	16.9	16.9
60°	15.0	15.0	15.0	15.0	15.0
62.5°	13.1	13.1	13.1	13.1	13.1
65°	11.2	11.2	11.2	11.2	11.2
67.5°	11.2	11.2	11.2	11.2	11.2
70°	9.4	9.4	9.4	9.4	9.4
72.5°	7.5	7.5	7.5	7.5	7.5
75°	5.6	5.6	5.6	5.6	5.6
77.5°	5.6	5.6	5.6	5.6	5.6
80°	3.7	3.7	3.7	3.7	3.7
82.5°	3.7	3.7	3.7	3.7	3.7
85°	1.9	1.9	1.9	1.9	1.9
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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