

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: P763795

Luminaire Tested: LD6D30D010-EU6DR1515309024-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763795
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-EU6DR1515309024-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2571.3 lumens
Efficiency: N/A
Efficacy: 88.7 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

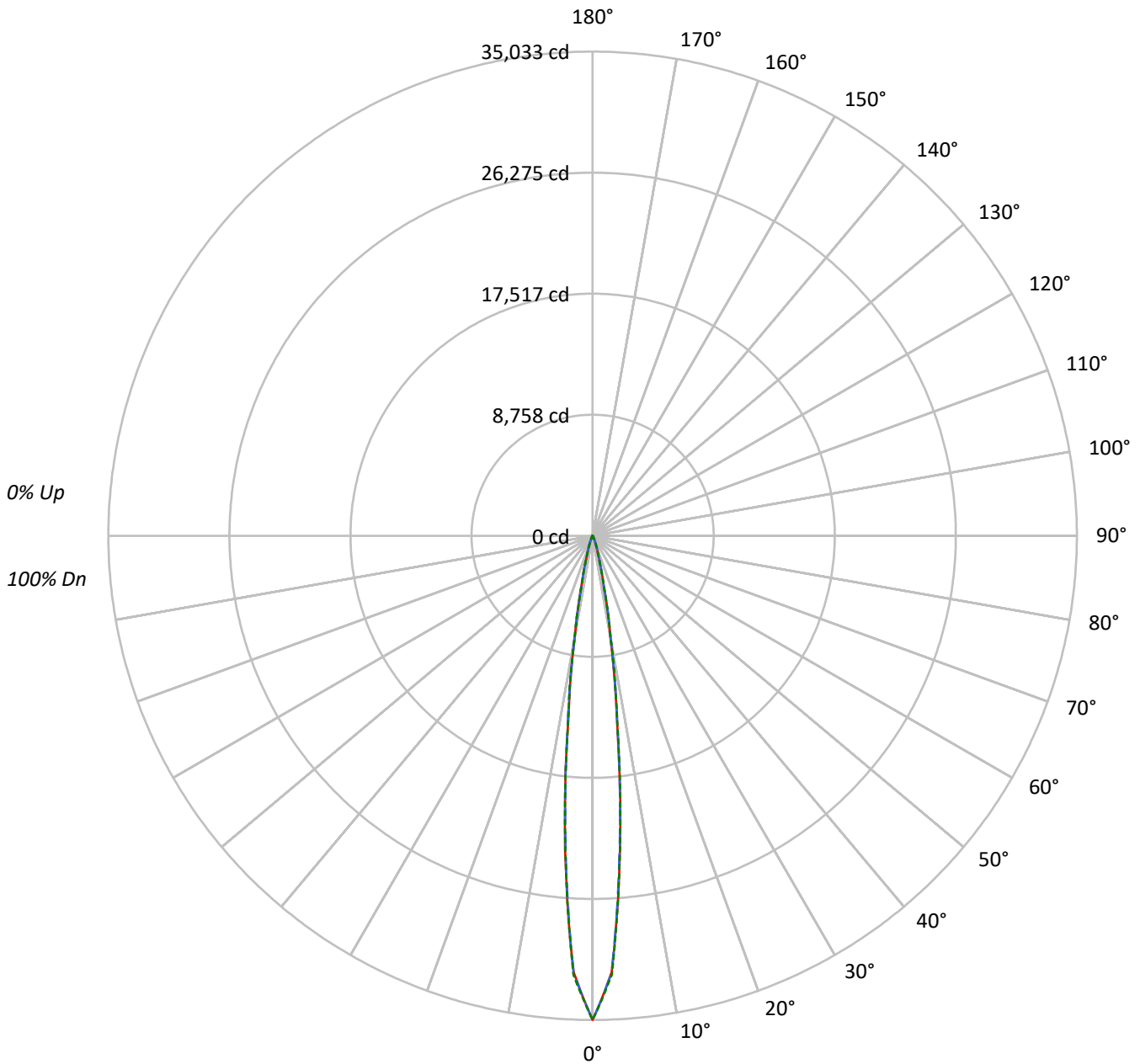


Downlight



TEST NUMBER: P763795
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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°	3941945	3941945	3941945
5°	2316478	2286478	2304568
10°	691363	696205	706861
15°	171968	175321	169909
20°	51450	59583	52547
25°	18135	23105	18369
30°	6664	8776	6777
35°	3340	3769	3232
40°	2109	2315	2109
45°	1554	1659	1554
50°	1238	1238	1238
55°	1030	1030	1030
60°	835	835	835
65°	635	635	635
70°	541	541	541
75°	333	333	446
80°	236	236	236
85°	125	125	125

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1659 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1667.7	64.9
10°-20°	686.0	26.7
20°-30°	136.2	5.3
30°-40°	34.0	1.3
40°-50°	17.9	0.7
50°-60°	13.2	0.5
60°-70°	9.4	0.4
70°-80°	5.3	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°	2489.9	96.8
0°-40°	2523.9	98.2
0°-60°	2555.0	99.4
0°-90°	2571.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2571.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	35033	35033	35033	35033	35033	
5°	22794	22559	22498	22654	22676	1665
15°	1980	2017	2018	1983	1956	679
25°	233	264	297	262	236	122
35°	46	49	52	49	44	31
45°	22	22	24	22	22	17
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°	35033.3	35033.3	35033.3	35033.3	35033.3
2.5°	31601.5	31628.2	31638.5	31669.7	31785.4
5°	22793.5	22559.1	22498.3	22654.0	22676.3
7.5°	13502.0	13549.4	13722.9	13761.5	13622.1
10°	7409.5	7470.3	7461.4	7514.8	7575.6
12.5°	3789.3	3741.8	3727.0	3787.8	3703.3
15°	1979.9	2017.0	2018.5	1982.9	1956.2
17.5°	1064.9	1107.9	1179.0	1121.2	1032.2
20°	628.8	667.4	728.2	680.7	642.2
22.5°	388.6	419.7	462.7	425.6	394.5
25°	232.8	264.0	296.6	262.5	235.8
27.5°	137.9	164.6	185.4	163.1	136.4
30°	89.0	103.8	117.2	102.3	90.5
32.5°	62.3	68.2	74.2	68.2	62.3
35°	46.0	48.9	51.9	48.9	44.5
37.5°	35.6	38.6	40.0	37.1	34.1
40°	29.7	31.1	32.6	31.1	29.7
42.5°	25.2	26.7	26.7	26.7	25.2
45°	22.2	22.2	23.7	22.2	22.2
47.5°	19.3	19.3	20.8	19.3	19.3
50°	17.8	17.8	17.8	17.8	17.8
52.5°	16.3	16.3	16.3	16.3	16.3
55°	14.8	14.8	14.8	14.8	14.8
57.5°	13.3	13.3	13.3	13.3	13.3
60°	11.9	11.9	11.9	11.9	11.9
62.5°	10.4	10.4	10.4	10.4	10.4
65°	8.9	8.9	8.9	8.9	8.9
67.5°	8.9	8.9	8.9	8.9	8.9
70°	7.4	7.4	7.4	7.4	7.4
72.5°	5.9	5.9	5.9	5.9	5.9
75°	4.4	4.4	4.4	4.4	5.9
77.5°	4.4	4.4	4.4	4.4	4.4
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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