

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: P763858

Luminaire Tested: LD6D30D010-EU6DR1515309040-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763858
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-EU6DR1515309040-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3018.1 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): 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



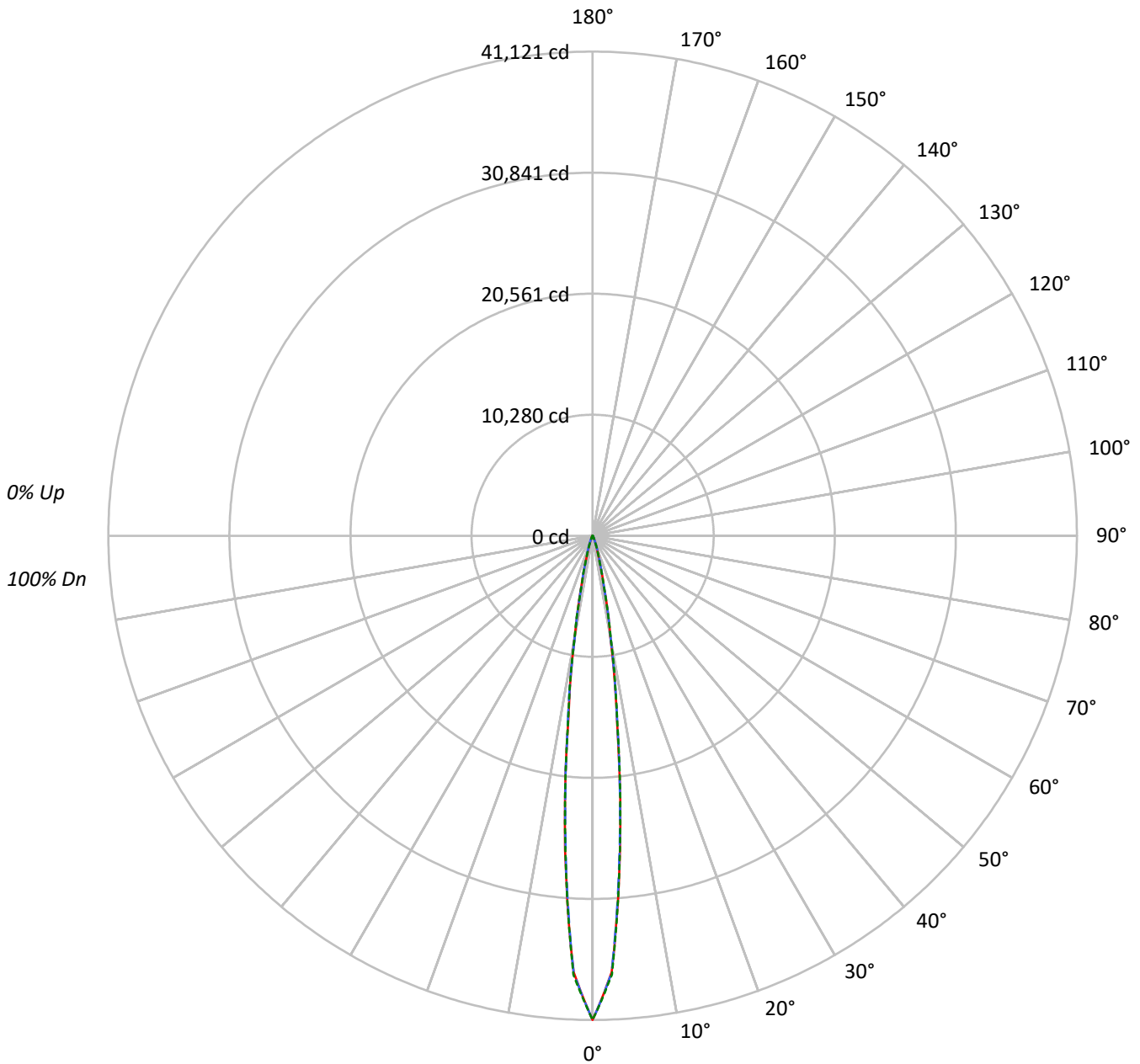
Downlight



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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°	4626978	4626978	4626978
5°	2719031	2683826	2705057
10°	811505	817188	829691
15°	201855	205781	199432
20°	60393	69934	61678
25°	21290	27125	21563
30°	7818	10296	7952
35°	3921	4423	3791
40°	2471	2720	2471
45°	1827	1953	1827
50°	1453	1453	1453
55°	1211	1211	1211
60°	976	976	976
65°	742	742	742
70°	636	636	636
75°	393	393	529
80°	276	276	276
85°	141	141	141

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1953 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1957.5	64.9
10°-20°	805.2	26.7
20°-30°	159.9	5.3
30°-40°	39.9	1.3
40°-50°	21.0	0.7
50°-60°	15.6	0.5
60°-70°	11.0	0.4
70°-80°	6.3	0.2
80°-90°	1.9	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°	2922.5	96.8
0°-40°	2962.5	98.2
0°-60°	2999.0	99.4
0°-90°	3018.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3018.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	41121	41121	41121	41121	41121	
5°	26754	26479	26408	26591	26617	1954
15°	2324	2368	2369	2328	2296	797
25°	273	310	348	308	277	144
35°	54	57	61	57	52	37
45°	26	26	28	26	26	20
55°	17	17	17	17	17	16
65°	10	10	10	10	10	11
75°	5	5	5	5	7	6
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°	41121.4	41121.4	41121.4	41121.4	41121.4
2.5°	37093.1	37124.5	37136.7	37173.2	37309.0
5°	26754.5	26479.4	26408.1	26590.8	26617.0
7.5°	15848.3	15904.0	16107.7	16153.0	15989.3
10°	8697.1	8768.5	8758.0	8820.7	8892.0
12.5°	4447.8	4392.1	4374.7	4446.0	4346.8
15°	2324.0	2367.5	2369.2	2327.5	2296.1
17.5°	1249.9	1300.4	1383.9	1316.1	1211.6
20°	738.1	783.4	854.7	799.0	753.8
22.5°	456.1	492.6	543.1	499.6	463.1
25°	273.3	309.9	348.2	308.1	276.8
27.5°	161.9	193.2	217.6	191.5	160.2
30°	104.4	121.9	137.5	120.1	106.2
32.5°	73.1	80.1	87.0	80.1	73.1
35°	54.0	57.4	60.9	57.4	52.2
37.5°	41.8	45.3	47.0	43.5	40.0
40°	34.8	36.6	38.3	36.6	34.8
42.5°	29.6	31.3	31.3	31.3	29.6
45°	26.1	26.1	27.9	26.1	26.1
47.5°	22.6	22.6	24.4	22.6	22.6
50°	20.9	20.9	20.9	20.9	20.9
52.5°	19.1	19.1	19.1	19.1	19.1
55°	17.4	17.4	17.4	17.4	17.4
57.5°	15.7	15.7	15.7	15.7	15.7
60°	13.9	13.9	13.9	13.9	13.9
62.5°	12.2	12.2	12.2	12.2	12.2
65°	10.4	10.4	10.4	10.4	10.4
67.5°	10.4	10.4	10.4	10.4	10.4
70°	8.7	8.7	8.7	8.7	8.7
72.5°	7.0	7.0	7.0	7.0	7.0
75°	5.2	5.2	5.2	5.2	7.0
77.5°	5.2	5.2	5.2	5.2	5.2
80°	3.5	3.5	3.5	3.5	3.5
82.5°	3.5	3.5	3.5	3.5	3.5
85°	1.7	1.7	1.7	1.7	1.7
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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