

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: P763806

Luminaire Tested: LD6D30D010-EU6DR1515309024-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763806
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-EU6DR1515309024-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2427.1 lumens
Efficiency: N/A
Efficacy: 83.7 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



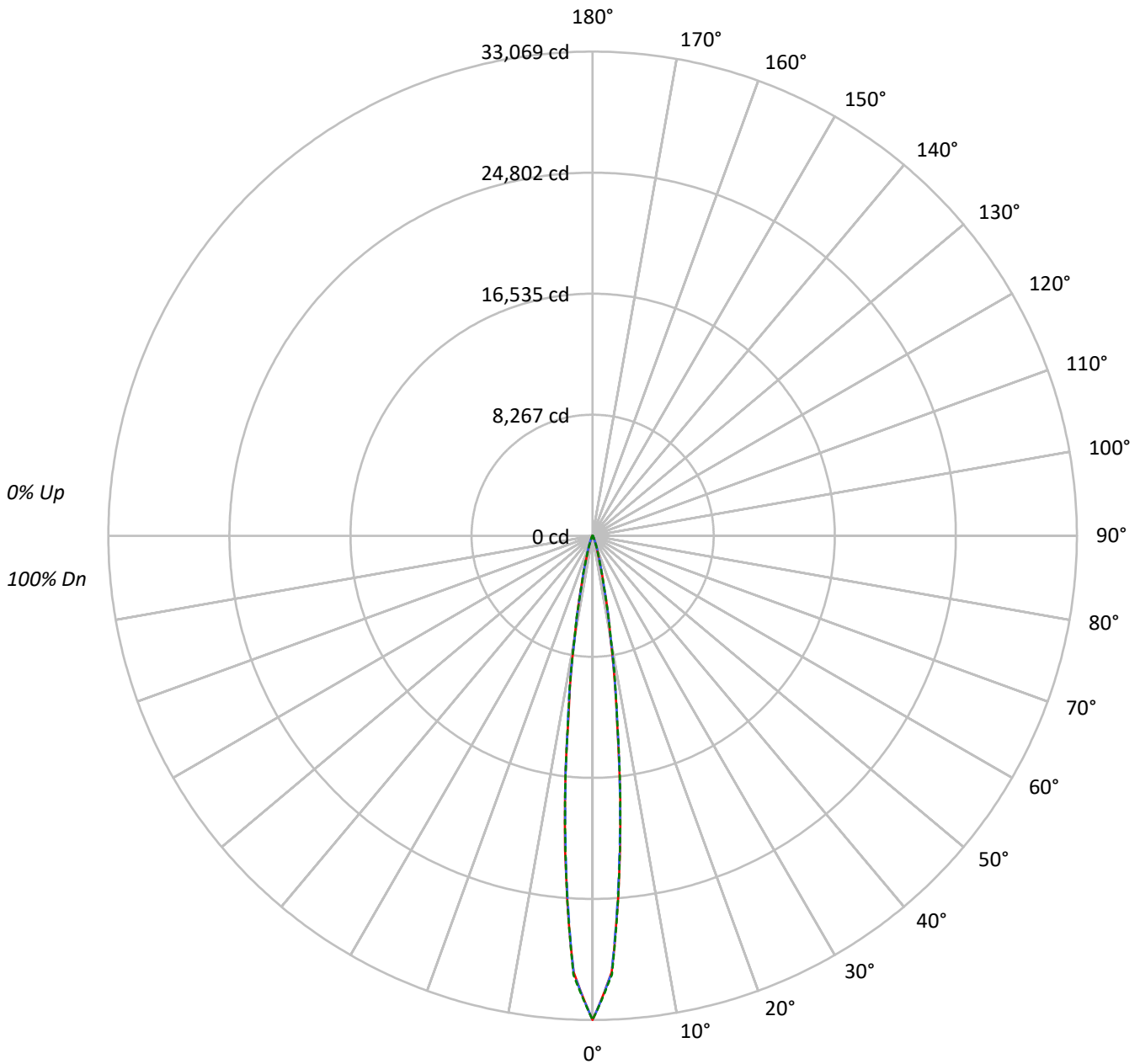
Downlight



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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°	3720945	3720945	3720945
5°	2186607	2158293	2175367
10°	652603	657175	667233
15°	162327	165488	160381
20°	48570	56245	49601
25°	17123	21812	17341
30°	6290	8282	6395
35°	3152	3558	3050
40°	1988	2187	1988
45°	1470	1568	1470
50°	1168	1168	1168
55°	974	974	974
60°	786	786	786
65°	600	600	600
70°	512	512	512
75°	317	317	423
80°	221	221	221
85°	116	116	116

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1568 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1574.2	64.9
10°-20°	647.5	26.7
20°-30°	128.6	5.3
30°-40°	32.1	1.3
40°-50°	16.9	0.7
50°-60°	12.5	0.5
60°-70°	8.8	0.4
70°-80°	5.0	0.2
80°-90°	1.5	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°	2350.3	96.8
0°-40°	2382.4	98.2
0°-60°	2411.8	99.4
0°-90°	2427.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2427.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	33069	33069	33069	33069	33069	
5°	21516	21294	21237	21384	21405	1571
15°	1869	1904	1905	1872	1846	641
25°	220	249	280	248	223	115
35°	43	46	49	46	42	29
45°	21	21	22	21	21	16
55°	14	14	14	14	14	13
65°	8	8	8	8	8	9
75°	4	4	4	4	6	5
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	33069.2	33069.2	33069.2	33069.2	33069.2
2.5°	29829.8	29855.0	29864.8	29894.2	30003.3
5°	21515.6	21294.4	21237.0	21384.0	21405.0
7.5°	12745.0	12789.8	12953.6	12990.0	12858.4
10°	6994.1	7051.5	7043.1	7093.5	7150.9
12.5°	3576.8	3532.0	3518.0	3575.4	3495.6
15°	1868.9	1903.9	1905.3	1871.7	1846.5
17.5°	1005.2	1045.7	1112.9	1058.3	974.4
20°	593.6	630.0	687.4	642.6	606.2
22.5°	366.8	396.2	436.8	401.8	372.4
25°	219.8	249.2	280.0	247.8	222.6
27.5°	130.2	155.4	175.0	154.0	128.8
30°	84.0	98.0	110.6	96.6	85.4
32.5°	58.8	64.4	70.0	64.4	58.8
35°	43.4	46.2	49.0	46.2	42.0
37.5°	33.6	36.4	37.8	35.0	32.2
40°	28.0	29.4	30.8	29.4	28.0
42.5°	23.8	25.2	25.2	25.2	23.8
45°	21.0	21.0	22.4	21.0	21.0
47.5°	18.2	18.2	19.6	18.2	18.2
50°	16.8	16.8	16.8	16.8	16.8
52.5°	15.4	15.4	15.4	15.4	15.4
55°	14.0	14.0	14.0	14.0	14.0
57.5°	12.6	12.6	12.6	12.6	12.6
60°	11.2	11.2	11.2	11.2	11.2
62.5°	9.8	9.8	9.8	9.8	9.8
65°	8.4	8.4	8.4	8.4	8.4
67.5°	8.4	8.4	8.4	8.4	8.4
70°	7.0	7.0	7.0	7.0	7.0
72.5°	5.6	5.6	5.6	5.6	5.6
75°	4.2	4.2	4.2	4.2	5.6
77.5°	4.2	4.2	4.2	4.2	4.2
80°	2.8	2.8	2.8	2.8	2.8
82.5°	2.8	2.8	2.8	2.8	2.8
85°	1.4	1.4	1.4	1.4	1.4
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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