

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P761014

Luminaire Tested: LD6D15D010-EU6DR1515309050-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761014
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: LD6D15D010-EU6DR1515309050-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF 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: 1373.5 lumens
Efficiency: N/A
Efficacy: 86.9 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): 15.8
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



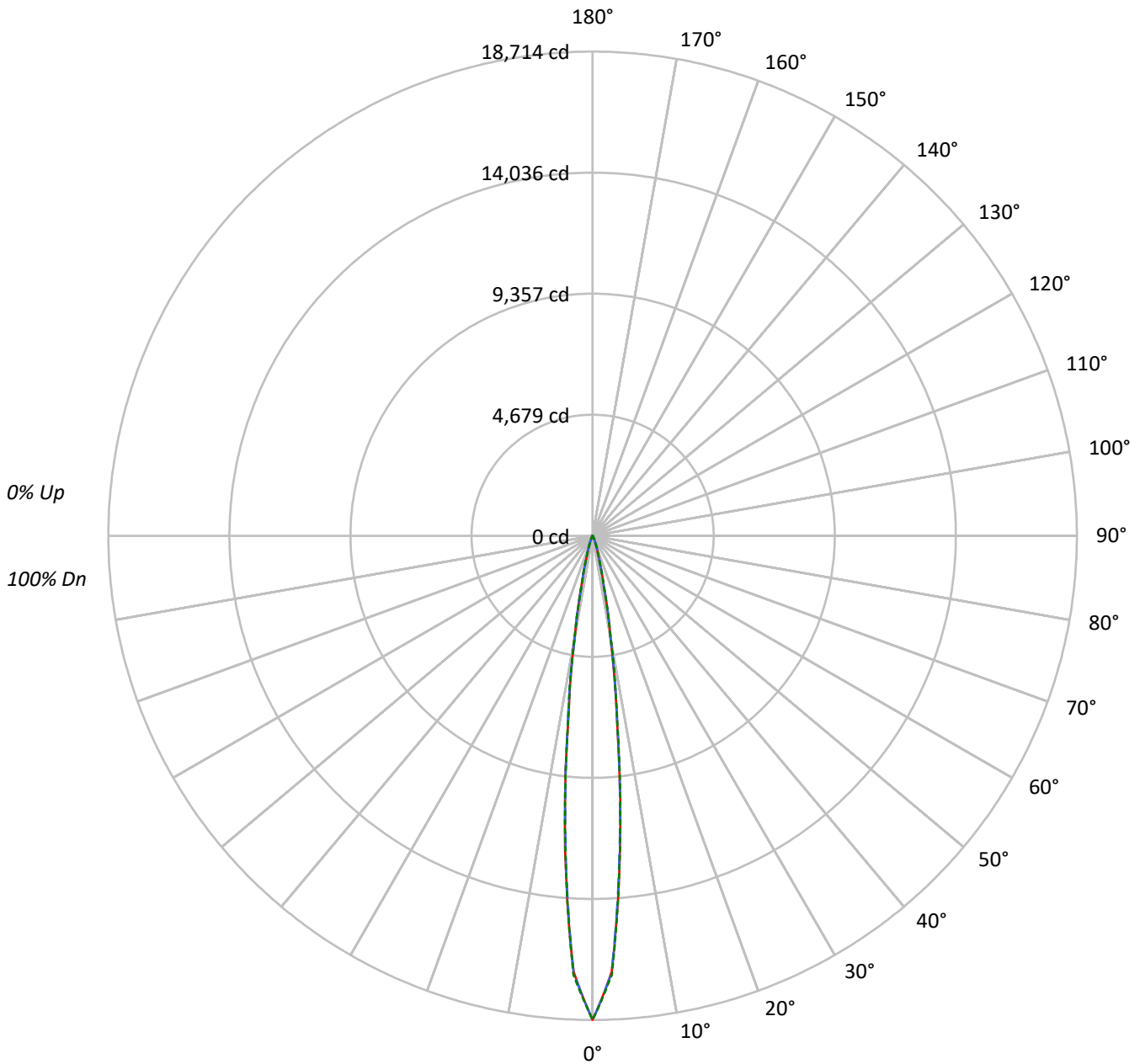
Downlight



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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	87	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°	2105665	2105665	2105665
5°	1237393	1221366	1231031
10°	369302	371887	377578
15°	91860	93649	90757
20°	27484	31829	28065
25°	9691	12339	9815
30°	3557	4688	3617
35°	1786	2012	1728
40°	1122	1236	1122
45°	833	889	833
50°	661	661	661
55°	550	550	550
60°	442	442	442
65°	343	343	343
70°	293	293	293
75°	181	181	242
80°	126	126	126
85°	66	66	66

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 889 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	890.8	64.9
10°-20°	366.4	26.7
20°-30°	72.8	5.3
30°-40°	18.2	1.3
40°-50°	9.6	0.7
50°-60°	7.1	0.5
60°-70°	5.0	0.4
70°-80°	2.9	0.2
80°-90°	0.9	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°	1330.0	96.8
0°-40°	1348.2	98.2
0°-60°	1364.8	99.4
0°-90°	1373.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1373.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18714	18714	18714	18714	18714	
5°	12176	12050	12018	12101	12113	889
15°	1058	1077	1078	1059	1045	363
25°	124	141	158	140	126	65
35°	25	26	28	26	24	17
45°	12	12	13	12	12	9
55°	8	8	8	8	8	7
65°	5	5	5	5	5	5
75°	2	2	2	2	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18713.7	18713.7	18713.7	18713.7	18713.7
2.5°	16880.5	16894.8	16900.3	16917.0	16978.8
5°	12175.6	12050.4	12017.9	12101.1	12113.0
7.5°	7212.3	7237.7	7330.4	7351.0	7276.5
10°	3957.9	3990.4	3985.6	4014.2	4046.6
12.5°	2024.1	1998.8	1990.8	2023.3	1978.2
15°	1057.6	1077.4	1078.2	1059.2	1044.9
17.5°	568.8	591.8	629.8	598.9	551.4
20°	335.9	356.5	389.0	363.6	343.0
22.5°	207.6	224.2	247.2	227.4	210.7
25°	124.4	141.0	158.4	140.2	126.0
27.5°	73.7	87.9	99.0	87.1	72.9
30°	47.5	55.5	62.6	54.7	48.3
32.5°	33.3	36.4	39.6	36.4	33.3
35°	24.6	26.1	27.7	26.1	23.8
37.5°	19.0	20.6	21.4	19.8	18.2
40°	15.8	16.6	17.4	16.6	15.8
42.5°	13.5	14.3	14.3	14.3	13.5
45°	11.9	11.9	12.7	11.9	11.9
47.5°	10.3	10.3	11.1	10.3	10.3
50°	9.5	9.5	9.5	9.5	9.5
52.5°	8.7	8.7	8.7	8.7	8.7
55°	7.9	7.9	7.9	7.9	7.9
57.5°	7.1	7.1	7.1	7.1	7.1
60°	6.3	6.3	6.3	6.3	6.3
62.5°	5.5	5.5	5.5	5.5	5.5
65°	4.8	4.8	4.8	4.8	4.8
67.5°	4.8	4.8	4.8	4.8	4.8
70°	4.0	4.0	4.0	4.0	4.0
72.5°	3.2	3.2	3.2	3.2	3.2
75°	2.4	2.4	2.4	2.4	3.2
77.5°	2.4	2.4	2.4	2.4	2.4
80°	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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