

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: P763859

Luminaire Tested: LD6D30D010-EU6DR1515309040-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763859
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-EU6DR1515309040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3171.8 lumens
Efficiency: N/A
Efficacy: 109.4 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



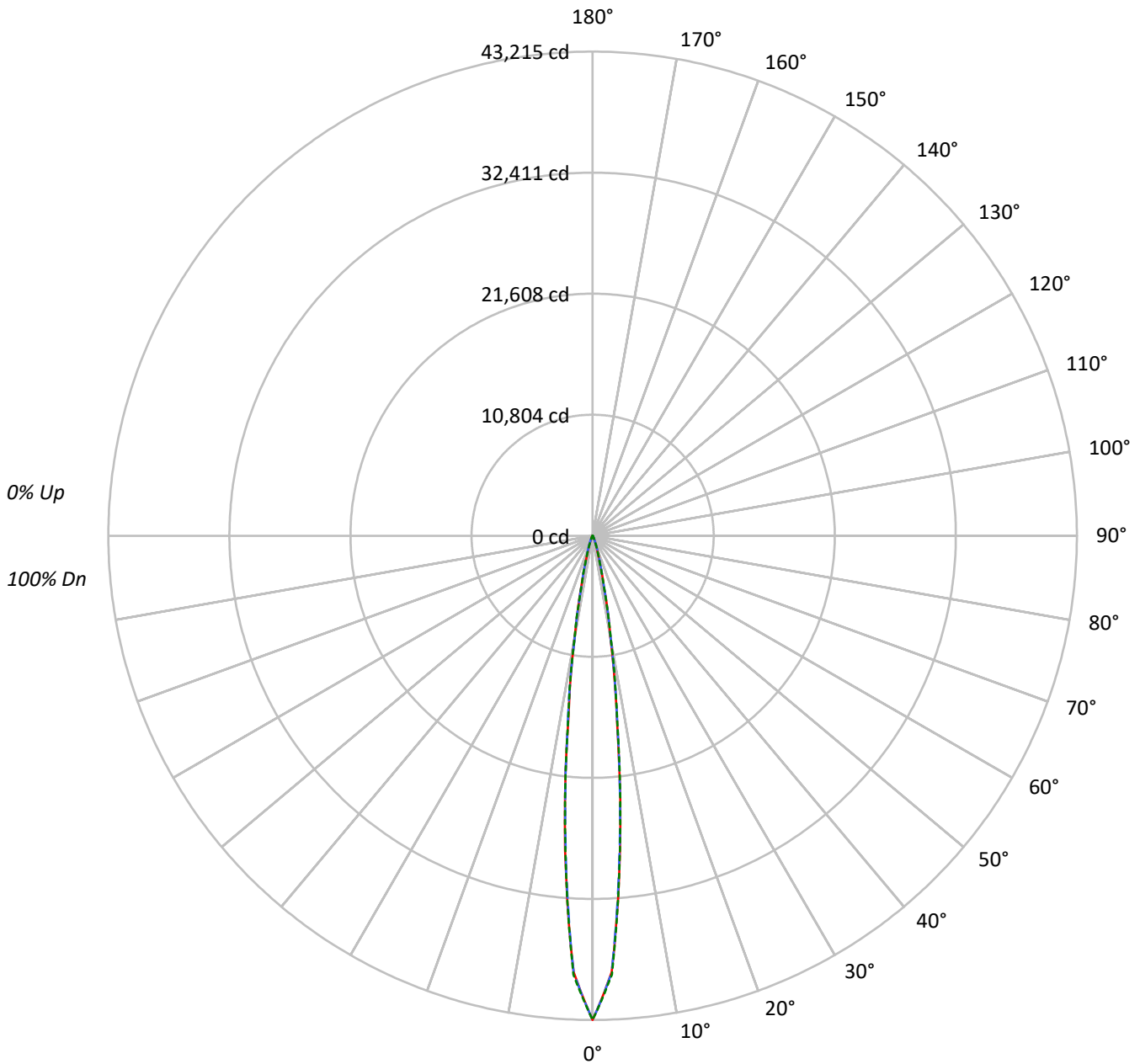
Downlight



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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°	4862527	4862527	4862527
5°	2857449	2820456	2842764
10°	852813	858794	871931
15°	212130	216265	209586
20°	63470	73501	64812
25°	22373	28504	22661
30°	8222	10820	8357
35°	4118	4648	3987
40°	2599	2855	2599
45°	1918	2051	1918
50°	1530	1530	1530
55°	1274	1274	1274
60°	1025	1025	1025
65°	785	785	785
70°	666	666	666
75°	416	416	552
80°	292	292	292
85°	149	149	149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2051 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2057.1	64.9
10°-20°	846.1	26.7
20°-30°	168.1	5.3
30°-40°	41.9	1.3
40°-50°	22.0	0.7
50°-60°	16.4	0.5
60°-70°	11.5	0.4
70°-80°	6.6	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°	3071.3	96.8
0°-40°	3113.3	98.2
0°-60°	3151.7	99.4
0°-90°	3171.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3171.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	43215	43215	43215	43215	43215	
5°	28116	27828	27752	27945	27972	2053
15°	2442	2488	2490	2446	2413	837
25°	287	326	366	324	291	151
35°	57	60	64	60	55	38
45°	27	27	29	27	27	21
55°	18	18	18	18	18	16
65°	11	11	11	11	11	12
75°	6	6	6	6	7	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°	43214.8	43214.8	43214.8	43214.8	43214.8
2.5°	38981.5	39014.4	39027.3	39065.7	39208.4
5°	28116.5	27827.5	27752.5	27944.6	27972.0
7.5°	16655.1	16713.7	16927.7	16975.3	16803.3
10°	9139.8	9214.8	9203.9	9269.7	9344.7
12.5°	4674.2	4615.7	4597.4	4672.4	4568.1
15°	2442.3	2488.0	2489.9	2445.9	2413.0
17.5°	1313.5	1366.6	1454.4	1383.0	1273.3
20°	775.7	823.2	898.3	839.7	792.1
22.5°	479.3	517.7	570.8	525.0	486.6
25°	287.2	325.6	365.9	323.8	290.9
27.5°	170.1	203.1	228.7	201.2	168.3
30°	109.8	128.1	144.5	126.2	111.6
32.5°	76.8	84.2	91.5	84.2	76.8
35°	56.7	60.4	64.0	60.4	54.9
37.5°	43.9	47.6	49.4	45.7	42.1
40°	36.6	38.4	40.2	38.4	36.6
42.5°	31.1	32.9	32.9	32.9	31.1
45°	27.4	27.4	29.3	27.4	27.4
47.5°	23.8	23.8	25.6	23.8	23.8
50°	22.0	22.0	22.0	22.0	22.0
52.5°	20.1	20.1	20.1	20.1	20.1
55°	18.3	18.3	18.3	18.3	18.3
57.5°	16.5	16.5	16.5	16.5	16.5
60°	14.6	14.6	14.6	14.6	14.6
62.5°	12.8	12.8	12.8	12.8	12.8
65°	11.0	11.0	11.0	11.0	11.0
67.5°	11.0	11.0	11.0	11.0	11.0
70°	9.1	9.1	9.1	9.1	9.1
72.5°	7.3	7.3	7.3	7.3	7.3
75°	5.5	5.5	5.5	5.5	7.3
77.5°	5.5	5.5	5.5	5.5	5.5
80°	3.7	3.7	3.7	3.7	3.7
82.5°	3.7	3.7	3.7	3.7	3.7
85°	1.8	1.8	1.8	1.8	1.8
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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