

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: P763810

Luminaire Tested: LD6D30D010-EU6DR1515309027-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763810
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-EU6DR1515309027-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2936.0 lumens
Efficiency: N/A
Efficacy: 101.2 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



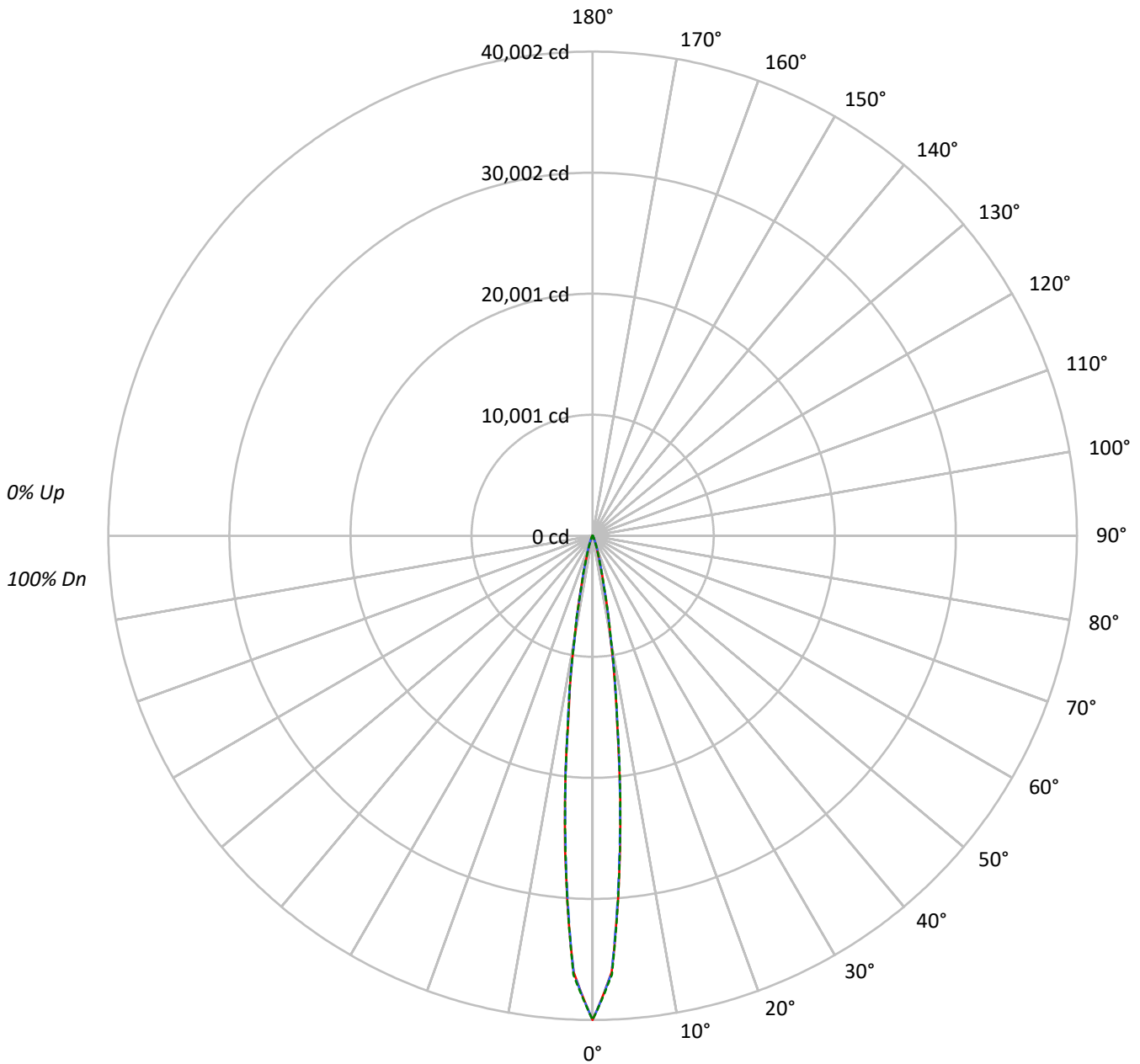
Downlight



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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°	4501034	4501034	4501034
5°	2645024	2610775	2631426
10°	789420	794943	807111
15°	196357	200188	194003
20°	58749	68036	60001
25°	20714	26385	20979
30°	7608	10019	7735
35°	3813	4306	3689
40°	2407	2649	2407
45°	1778	1897	1778
50°	1412	1412	1412
55°	1176	1176	1176
60°	948	948	948
65°	728	728	728
70°	622	622	622
75°	385	385	514
80°	268	268	268
85°	141	141	141

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1897 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1904.2	64.9
10°-20°	783.2	26.7
20°-30°	155.6	5.3
30°-40°	38.8	1.3
40°-50°	20.4	0.7
50°-60°	15.1	0.5
60°-70°	10.7	0.4
70°-80°	6.1	0.2
80°-90°	1.8	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°	2843.0	96.8
0°-40°	2881.8	98.2
0°-60°	2917.3	99.4
0°-90°	2936.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2936.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	40002	40002	40002	40002	40002	
5°	26026	25759	25689	25867	25892	1901
15°	2261	2303	2305	2264	2234	775
25°	266	301	339	300	269	140
35°	52	56	59	56	51	36
45°	25	25	27	25	25	20
55°	17	17	17	17	17	15
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°	40002.1	40002.1	40002.1	40002.1	40002.1
2.5°	36083.5	36114.0	36125.9	36161.4	36293.5
5°	26026.3	25758.7	25689.3	25867.1	25892.5
7.5°	15417.0	15471.1	15669.3	15713.3	15554.1
10°	8460.4	8529.8	8519.6	8580.6	8650.0
12.5°	4326.7	4272.5	4255.6	4325.0	4228.5
15°	2260.7	2303.1	2304.8	2264.1	2233.6
17.5°	1215.9	1265.0	1346.3	1280.2	1178.6
20°	718.0	762.0	831.5	777.3	733.3
22.5°	443.7	479.2	528.3	486.0	450.5
25°	265.9	301.4	338.7	299.7	269.3
27.5°	157.5	188.0	211.7	186.3	155.8
30°	101.6	118.5	133.8	116.8	103.3
32.5°	71.1	77.9	84.7	77.9	71.1
35°	52.5	55.9	59.3	55.9	50.8
37.5°	40.6	44.0	45.7	42.3	38.9
40°	33.9	35.6	37.3	35.6	33.9
42.5°	28.8	30.5	30.5	30.5	28.8
45°	25.4	25.4	27.1	25.4	25.4
47.5°	22.0	22.0	23.7	22.0	22.0
50°	20.3	20.3	20.3	20.3	20.3
52.5°	18.6	18.6	18.6	18.6	18.6
55°	16.9	16.9	16.9	16.9	16.9
57.5°	15.2	15.2	15.2	15.2	15.2
60°	13.5	13.5	13.5	13.5	13.5
62.5°	11.9	11.9	11.9	11.9	11.9
65°	10.2	10.2	10.2	10.2	10.2
67.5°	10.2	10.2	10.2	10.2	10.2
70°	8.5	8.5	8.5	8.5	8.5
72.5°	6.8	6.8	6.8	6.8	6.8
75°	5.1	5.1	5.1	5.1	6.8
77.5°	5.1	5.1	5.1	5.1	5.1
80°	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	3.4	3.4
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

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Scaled Data Report





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

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