

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: P763823

Luminaire Tested: LD6D30D010-EU6DR1515309030-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763823
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-EU6DR1515309030-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3031.5 lumens
Efficiency: N/A
Efficacy: 104.5 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



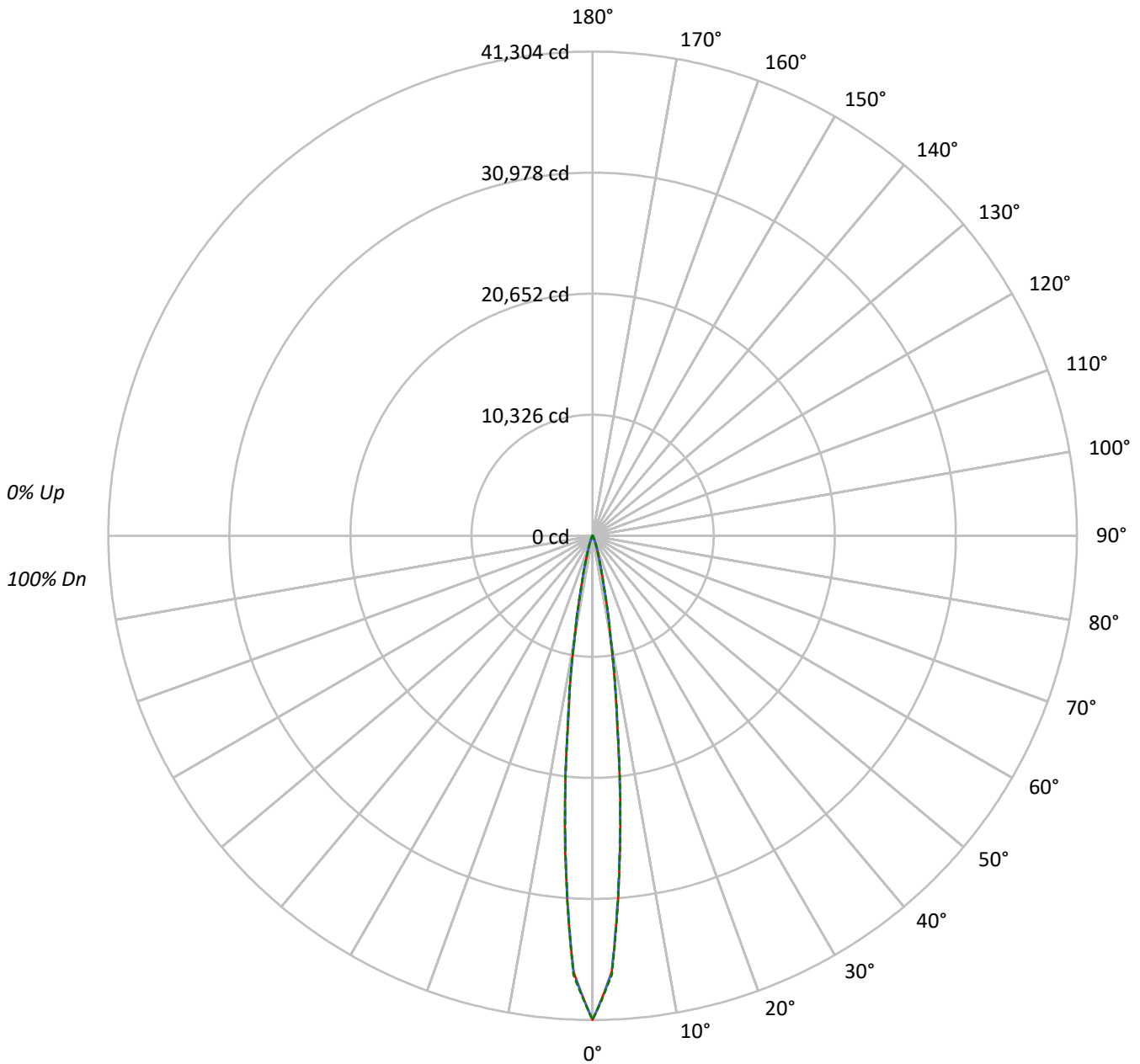
Downlight



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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°	4647580	4647580	4647580
5°	2731135	2695778	2717100
10°	815116	820827	833395
15°	202750	206702	200327
20°	60663	70245	61948
25°	21384	27242	21656
30°	7855	10341	7990
35°	3936	4444	3813
40°	2486	2734	2486
45°	1834	1960	1834
50°	1460	1460	1460
55°	1218	1218	1218
60°	983	983	983
65°	749	749	749
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: 1960 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1966.2	64.9
10°-20°	808.7	26.7
20°-30°	160.6	5.3
30°-40°	40.1	1.3
40°-50°	21.1	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°	2935.6	96.8
0°-40°	2975.6	98.2
0°-60°	3012.3	99.4
0°-90°	3031.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3031.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	41304	41304	41304	41304	41304	
5°	26874	26597	26526	26709	26736	1962
15°	2334	2378	2380	2338	2306	800
25°	274	311	350	310	278	144
35°	54	58	61	58	52	37
45°	26	26	28	26	26	20
55°	18	18	18	18	18	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°	41304.5	41304.5	41304.5	41304.5	41304.5
2.5°	37258.4	37289.8	37302.1	37338.8	37475.2
5°	26873.6	26597.4	26525.7	26709.3	26735.5
7.5°	15918.9	15974.9	16179.4	16224.9	16060.5
10°	8735.8	8807.5	8797.0	8860.0	8931.7
12.5°	4467.6	4411.6	4394.1	4465.8	4366.2
15°	2334.3	2378.0	2379.8	2337.8	2306.4
17.5°	1255.5	1306.2	1390.1	1321.9	1217.0
20°	741.4	786.9	858.5	802.6	757.1
22.5°	458.1	494.8	545.6	501.8	465.1
25°	274.5	311.2	349.7	309.5	278.0
27.5°	162.6	194.1	218.6	192.3	160.9
30°	104.9	122.4	138.1	120.7	106.7
32.5°	73.4	80.4	87.4	80.4	73.4
35°	54.2	57.7	61.2	57.7	52.5
37.5°	42.0	45.5	47.2	43.7	40.2
40°	35.0	36.7	38.5	36.7	35.0
42.5°	29.7	31.5	31.5	31.5	29.7
45°	26.2	26.2	28.0	26.2	26.2
47.5°	22.7	22.7	24.5	22.7	22.7
50°	21.0	21.0	21.0	21.0	21.0
52.5°	19.2	19.2	19.2	19.2	19.2
55°	17.5	17.5	17.5	17.5	17.5
57.5°	15.7	15.7	15.7	15.7	15.7
60°	14.0	14.0	14.0	14.0	14.0
62.5°	12.2	12.2	12.2	12.2	12.2
65°	10.5	10.5	10.5	10.5	10.5
67.5°	10.5	10.5	10.5	10.5	10.5
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

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Scaled Data Report





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

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(END OF REPORT)