

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: P760199

Luminaire Tested: LD6D10D010-EU6DR300210IC9030-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760199
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D10D010-EU6DR300210IC9030-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 853.3 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
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



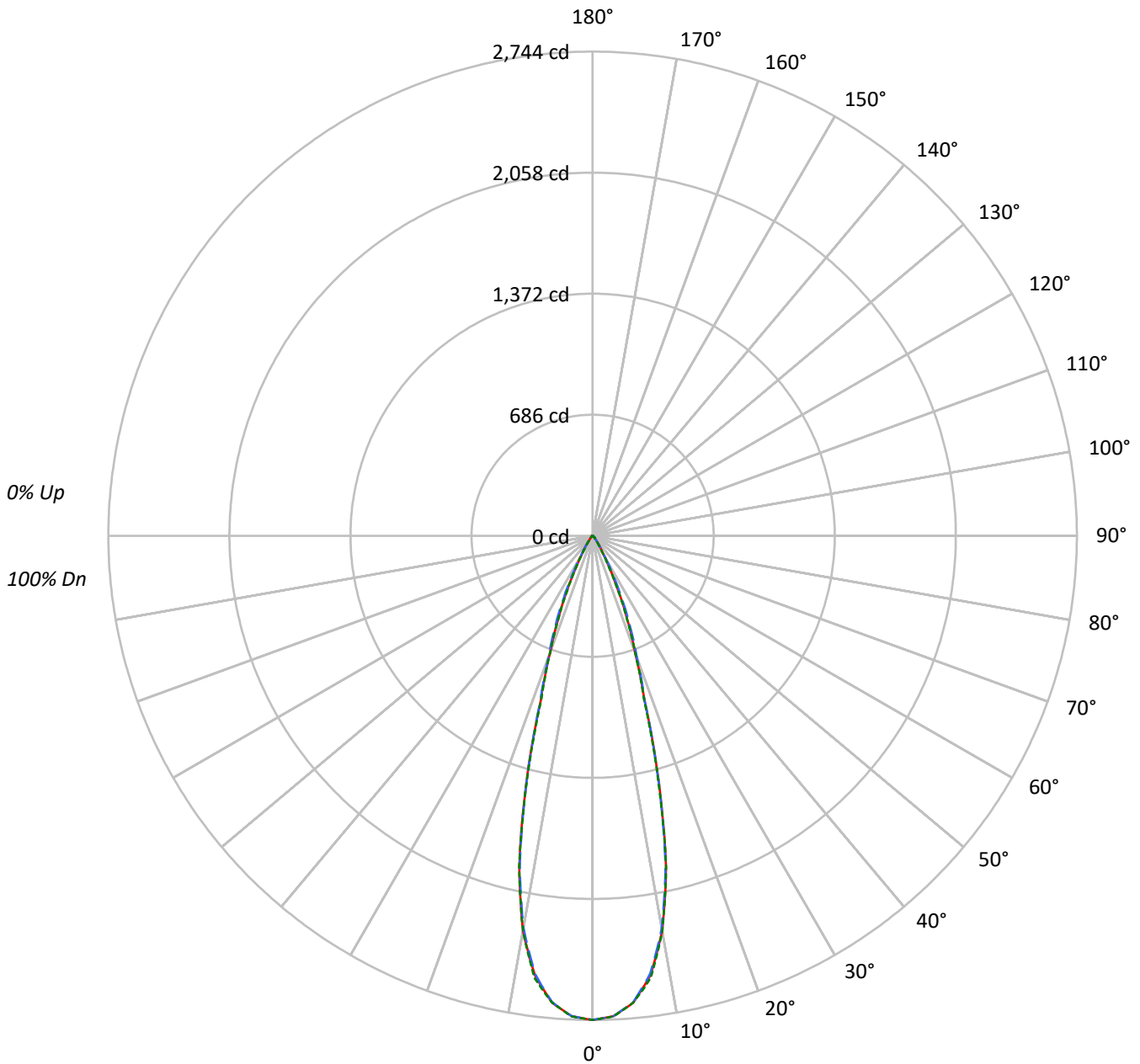
Downlight



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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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	87	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	210020	210020	210020
5°	203991	203753	203999
10°	176683	175439	176644
15°	115276	114657	114087
20°	57329	59471	57247
25°	28876	32558	28284
30°	11561	12604	10076
35°	5364	5130	4308
40°	2308	2568	2178
45°	1635	2024	1645
50°	560	1477	595
55°	320	614	347
60°	230	276	230
65°	145	145	145
70°	90	67	90
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2024 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.3	28.3
10°-20°	388.6	45.5
20°-30°	167.9	19.7
30°-40°	38.3	4.5
40°-50°	13.1	1.5
50°-60°	3.2	0.4
60°-70°	0.8	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	797.8	93.5
0°-40°	836.0	98.0
0°-60°	852.4	99.9
0°-90°	853.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	853.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2744	2744	2744	2744	2744	
5°	2655	2652	2652	2657	2655	241
15°	1455	1437	1447	1442	1440	390
25°	342	355	386	346	335	164
35°	57	59	55	54	46	39
45°	15	19	19	19	15	11
55°	2	3	5	3	3	2
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2743.8	2743.8	2743.8	2743.8	2743.8
2.5°	2725.6	2723.7	2724.8	2726.2	2726.7
5°	2654.9	2652.3	2651.8	2657.3	2655.0
7.5°	2512.2	2508.6	2503.1	2515.6	2527.3
10°	2273.2	2269.2	2257.2	2263.2	2272.7
12.5°	1920.4	1907.4	1907.1	1926.0	1923.4
15°	1454.7	1437.2	1446.9	1442.2	1439.7
17.5°	978.3	971.6	984.4	980.5	963.7
20°	703.8	705.5	730.1	717.7	702.8
22.5°	513.5	519.8	549.1	517.1	505.5
25°	341.9	354.8	385.5	345.8	334.9
27.5°	210.3	216.2	247.3	207.6	201.7
30°	130.8	127.8	142.6	122.3	114.0
32.5°	85.8	82.0	86.7	77.9	71.1
35°	57.4	58.6	54.9	54.5	46.1
37.5°	35.8	41.2	36.4	38.8	29.6
40°	23.1	29.9	25.7	28.4	21.8
42.5°	19.0	23.0	21.1	22.5	19.4
45°	15.1	18.7	18.7	18.7	15.2
47.5°	8.4	12.5	16.0	12.8	8.9
50°	4.7	6.4	12.4	6.6	5.0
52.5°	3.2	3.6	8.5	3.8	3.4
55°	2.4	2.6	4.6	2.7	2.6
57.5°	1.9	2.0	2.4	2.0	1.9
60°	1.5	1.5	1.8	1.6	1.5
62.5°	1.1	1.1	1.2	1.1	1.1
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.4	0.5	0.5	0.5	0.5
70°	0.4	0.3	0.3	0.3	0.4
72.5°	0.3	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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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