

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: P770294

Luminaire Tested: LD6D70BD010-EU6DR3070959027-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770294
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: LD6D70BD010-EU6DR3070959027-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

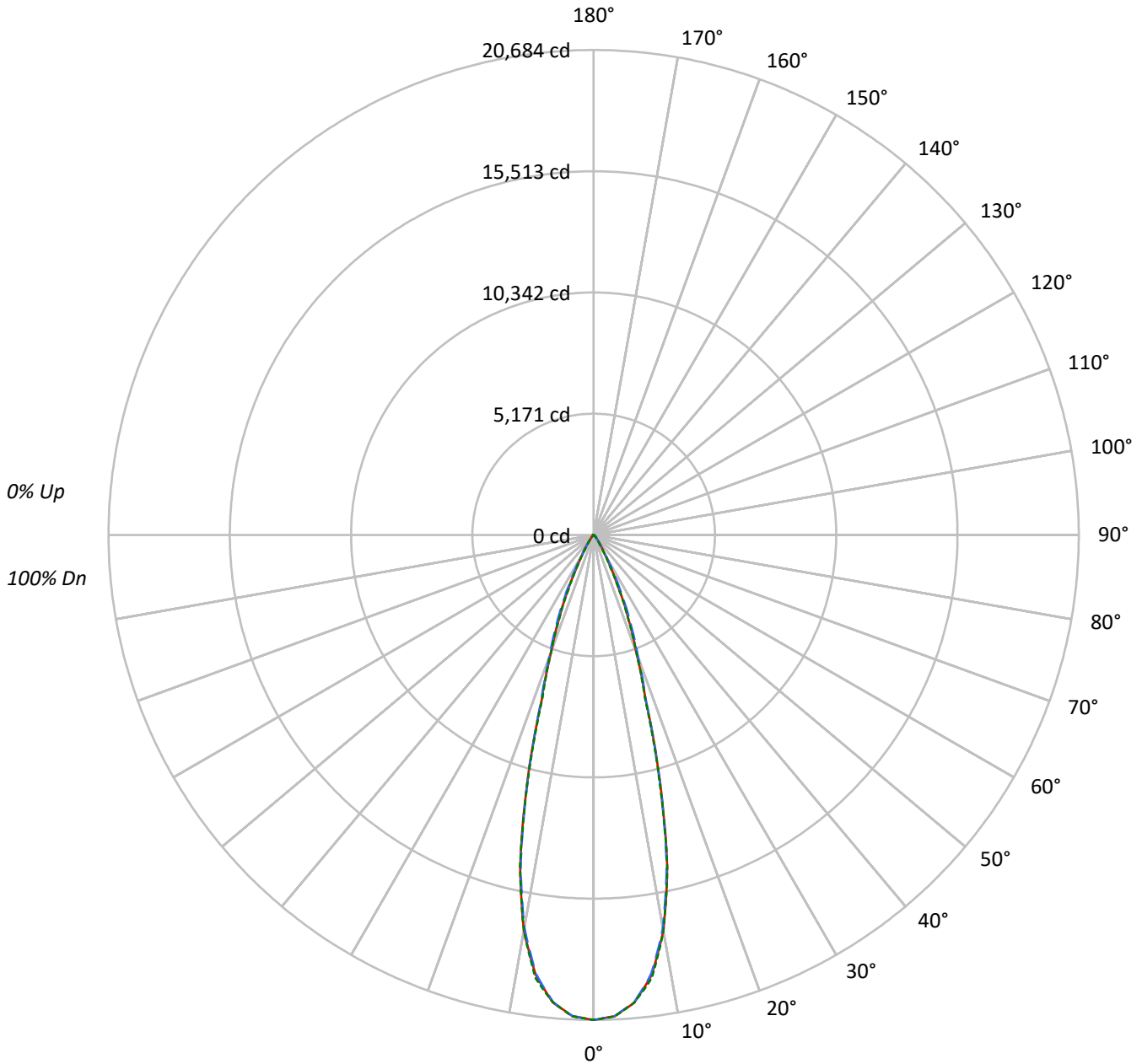
Lumens per Lamp: N/A
Luminaire Lumens: 6432.5 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 66.6
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



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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	86	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°	1583208	1583208	1583208
5°	1537761	1535963	1537837
10°	1331929	1322539	1331618
15°	869017	864349	860007
20°	432123	448333	431545
25°	217678	245464	213210
30°	87156	94961	75931
35°	40423	38713	32452
40°	17456	19385	16437
45°	12308	15285	12427
50°	4227	11122	4477
55°	2442	4604	2576
60°	1715	2021	1715
65°	1105	1105	1105
70°	671	448	671
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 15285 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1818.8	28.3
10°-20°	2929.2	45.5
20°-30°	1265.8	19.7
30°-40°	288.5	4.5
40°-50°	99.1	1.5
50°-60°	24.2	0.4
60°-70°	6.3	0.1
70°-80°	0.7	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°	6013.9	93.5
0°-40°	6302.4	98.0
0°-60°	6425.6	99.9
0°-90°	6432.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6432.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20684	20684	20684	20684	20684	
5°	20014	19994	19990	20032	20015	1820
15°	10966	10834	10908	10872	10853	2936
25°	2577	2675	2906	2607	2524	1234
35°	433	442	414	411	347	293
45°	114	141	141	141	115	81
55°	18	19	34	20	19	18
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	20683.8	20683.8	20683.8	20683.8	20683.8
2.5°	20546.7	20532.5	20540.6	20550.8	20554.8
5°	20013.6	19994.3	19990.2	20031.9	20014.6
7.5°	18938.2	18910.7	18869.1	18963.5	19051.9
10°	17136.6	17106.2	17015.8	17060.5	17132.6
12.5°	14477.0	14378.5	14376.5	14518.7	14499.4
15°	10966.4	10834.4	10907.5	10872.0	10852.7
17.5°	7374.6	7323.8	7421.3	7391.9	7264.9
20°	5305.0	5318.2	5504.0	5410.6	5297.9
22.5°	3871.1	3918.8	4139.2	3898.5	3810.2
25°	2577.4	2674.8	2906.4	2606.8	2524.5
27.5°	1585.2	1629.9	1864.5	1564.9	1520.2
30°	986.1	963.7	1074.4	922.1	859.1
32.5°	646.9	618.4	654.0	587.0	536.2
35°	432.6	441.7	414.3	411.3	347.3
37.5°	270.1	310.7	274.2	292.5	223.4
40°	174.7	225.4	194.0	214.3	164.5
42.5°	143.2	173.7	159.4	169.6	146.2
45°	113.7	141.2	141.2	141.2	114.8
47.5°	63.0	94.4	120.8	96.5	67.0
50°	35.5	47.7	93.4	49.8	37.6
52.5°	24.4	27.4	64.0	28.4	25.4
55°	18.3	19.3	34.5	20.3	19.3
57.5°	14.2	15.2	18.3	15.2	14.2
60°	11.2	11.2	13.2	12.2	11.2
62.5°	8.1	8.1	9.1	8.1	8.1
65°	6.1	6.1	6.1	6.1	6.1
67.5°	3.0	4.1	4.1	4.1	4.1
70°	3.0	2.0	2.0	2.0	3.0
72.5°	2.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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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