

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: P770333

Luminaire Tested: LD6D70BD010-EU6DR3070959040-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770333
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-EU6DR3070959040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7009.8 lumens
Efficiency: N/A
Efficacy: 105.3 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

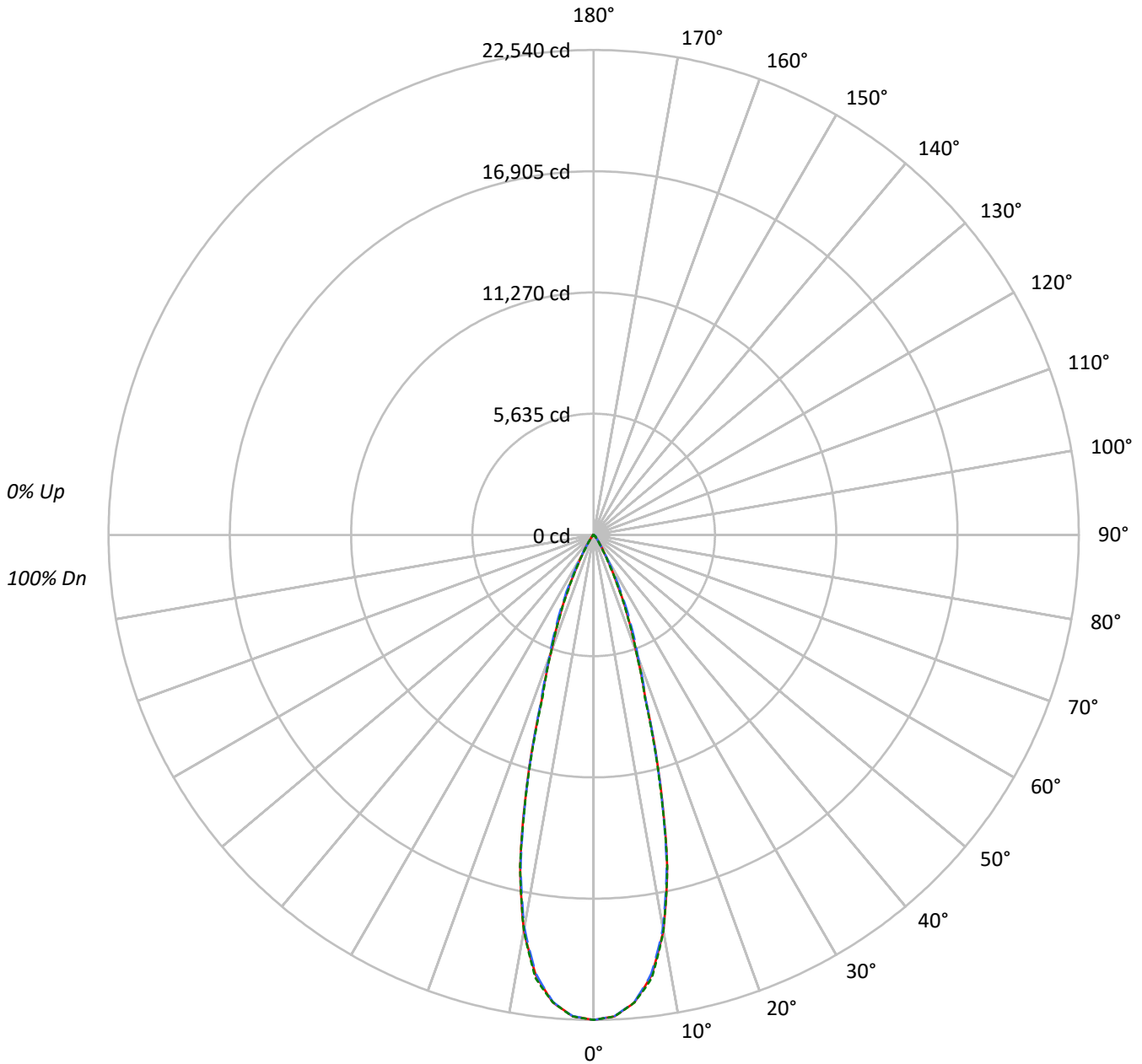
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	1725288	1725288	1725288
5°	1675765	1673806	1675850
10°	1451468	1441232	1451119
15°	947008	941921	937190
20°	470904	488572	470269
25°	237212	267490	232348
30°	94969	103481	82746
35°	44049	42189	35368
40°	19015	21123	17916
45°	13412	16649	13542
50°	4608	12122	4870
55°	2656	5018	2802
60°	1868	2204	1868
65°	1195	1195	1195
70°	739	492	739
75°	0	325	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 16649 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1982.1	28.3
10°-20°	3192.1	45.5
20°-30°	1379.4	19.7
30°-40°	314.4	4.5
40°-50°	107.9	1.5
50°-60°	26.4	0.4
60°-70°	6.8	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°	6553.6	93.5
0°-40°	6868.0	98.0
0°-60°	7002.3	99.9
0°-90°	7009.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7009.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22540	22540	22540	22540	22540	
5°	21810	21789	21784	21830	21811	1984
15°	11951	11807	11886	11848	11827	3200
25°	2809	2915	3167	2841	2751	1344
35°	471	481	452	448	378	320
45°	124	154	154	154	125	88
55°	20	21	38	22	21	19
65°	7	7	7	7	7	7
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°	22540.0	22540.0	22540.0	22540.0	22540.0
2.5°	22390.6	22375.2	22384.0	22395.1	22399.5
5°	21809.7	21788.6	21784.2	21829.6	21810.8
7.5°	20637.7	20607.9	20562.5	20665.4	20761.7
10°	18674.6	18641.4	18542.9	18591.6	18670.1
12.5°	15776.3	15668.9	15666.7	15821.6	15800.6
15°	11950.6	11806.7	11886.4	11847.7	11826.7
17.5°	8036.4	7981.1	8087.3	8055.2	7916.9
20°	5781.1	5795.5	5998.0	5896.2	5773.3
22.5°	4218.5	4270.5	4510.7	4248.4	4152.1
25°	2808.7	2914.9	3167.2	2840.7	2751.1
27.5°	1727.5	1776.2	2031.8	1705.3	1656.6
30°	1074.5	1050.2	1170.8	1004.8	936.2
32.5°	704.9	673.9	712.7	639.6	584.3
35°	471.4	481.4	451.5	448.2	378.5
37.5°	294.4	338.6	298.8	318.7	243.5
40°	190.3	245.7	211.4	233.5	179.3
42.5°	156.0	189.2	173.7	184.8	159.4
45°	123.9	153.8	153.8	153.8	125.1
47.5°	68.6	102.9	131.7	105.1	73.0
50°	38.7	52.0	101.8	54.2	40.9
52.5°	26.6	29.9	69.7	31.0	27.7
55°	19.9	21.0	37.6	22.1	21.0
57.5°	15.5	16.6	19.9	16.6	15.5
60°	12.2	12.2	14.4	13.3	12.2
62.5°	8.9	8.9	10.0	8.9	8.9
65°	6.6	6.6	6.6	6.6	6.6
67.5°	3.3	4.4	4.4	4.4	4.4
70°	3.3	2.2	2.2	2.2	3.3
72.5°	2.2	1.1	1.1	1.1	1.1
75°	0.0	0.0	1.1	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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