

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: P771090

Luminaire Tested: LD6D75BD010-EU6DR3070959035-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771090
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: LD6D75BD010-EU6DR3070959035-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7689.1 lumens
Efficiency: N/A
Efficacy: 106.2 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

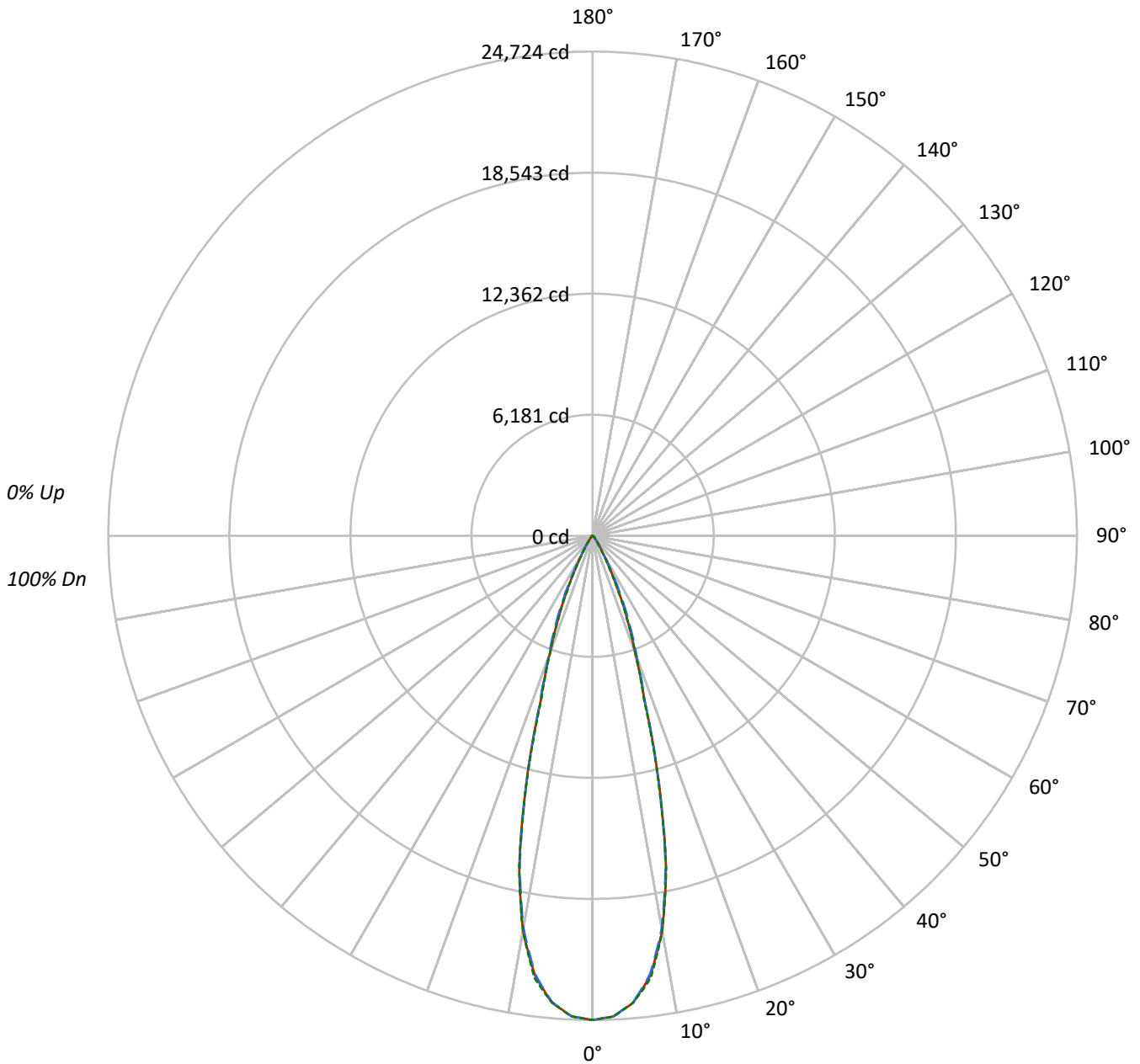
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1892482	1892482	1892482
5°	1838150	1836006	1838242
10°	1592118	1580887	1591737
15°	1038780	1033201	1028003
20°	516536	535914	515843
25°	260193	293410	254864
30°	104179	113512	90762
35°	48319	46282	38788
40°	20863	23172	19644
45°	14722	18262	14852
50°	5061	13301	5347
55°	2909	5511	3083
60°	2051	2419	2051
65°	1322	1322	1322
70°	806	537	806
75°	0	355	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 18262 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2174.1	28.3
10°-20°	3501.4	45.5
20°-30°	1513.1	19.7
30°-40°	344.9	4.5
40°-50°	118.4	1.5
50°-60°	28.9	0.4
60°-70°	7.5	0.1
70°-80°	0.8	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°	7188.6	93.5
0°-40°	7533.5	98.0
0°-60°	7680.9	99.9
0°-90°	7689.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7689.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24724	24724	24724	24724	24724	
5°	23923	23900	23895	23945	23924	2176
15°	13109	12951	13038	12996	12973	3510
25°	3081	3197	3474	3116	3018	1475
35°	517	528	495	492	415	351
45°	136	169	169	169	137	97
55°	22	23	41	24	23	21
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°	24724.3	24724.3	24724.3	24724.3	24724.3
2.5°	24560.4	24543.4	24553.1	24565.2	24570.1
5°	23923.1	23900.0	23895.2	23944.9	23924.3
7.5°	22637.6	22604.8	22555.1	22668.0	22773.6
10°	20484.2	20447.8	20339.7	20393.1	20479.3
12.5°	17305.0	17187.3	17184.9	17354.8	17331.7
15°	13108.7	12950.9	13038.3	12995.8	12972.7
17.5°	8815.2	8754.5	8871.0	8835.8	8684.1
20°	6341.3	6357.1	6579.2	6467.5	6332.8
22.5°	4627.3	4684.4	4947.8	4660.1	4554.5
25°	3080.8	3197.4	3474.1	3116.0	3017.7
27.5°	1894.9	1948.3	2228.7	1870.6	1817.2
30°	1178.7	1152.0	1284.3	1102.2	1026.9
32.5°	773.2	739.3	781.7	701.6	640.9
35°	517.1	528.0	495.3	491.6	415.1
37.5°	322.9	371.4	327.7	349.6	267.1
40°	208.8	269.5	231.9	256.1	196.6
42.5°	171.2	207.6	190.6	202.7	174.8
45°	136.0	168.7	168.7	168.7	137.2
47.5°	75.3	112.9	144.5	115.3	80.1
50°	42.5	57.1	111.7	59.5	44.9
52.5°	29.1	32.8	76.5	34.0	30.3
55°	21.8	23.1	41.3	24.3	23.1
57.5°	17.0	18.2	21.8	18.2	17.0
60°	13.4	13.4	15.8	14.6	13.4
62.5°	9.7	9.7	10.9	9.7	9.7
65°	7.3	7.3	7.3	7.3	7.3
67.5°	3.6	4.9	4.9	4.9	4.9
70°	3.6	2.4	2.4	2.4	3.6
72.5°	2.4	1.2	1.2	1.2	1.2
75°	0.0	0.0	1.2	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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