

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: P771077

Luminaire Tested: LD6D75BD010-EU6DR3070959030-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771077
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-EU6DR3070959030-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST 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: 7608.9 lumens
Efficiency: N/A
Efficacy: 105.1 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

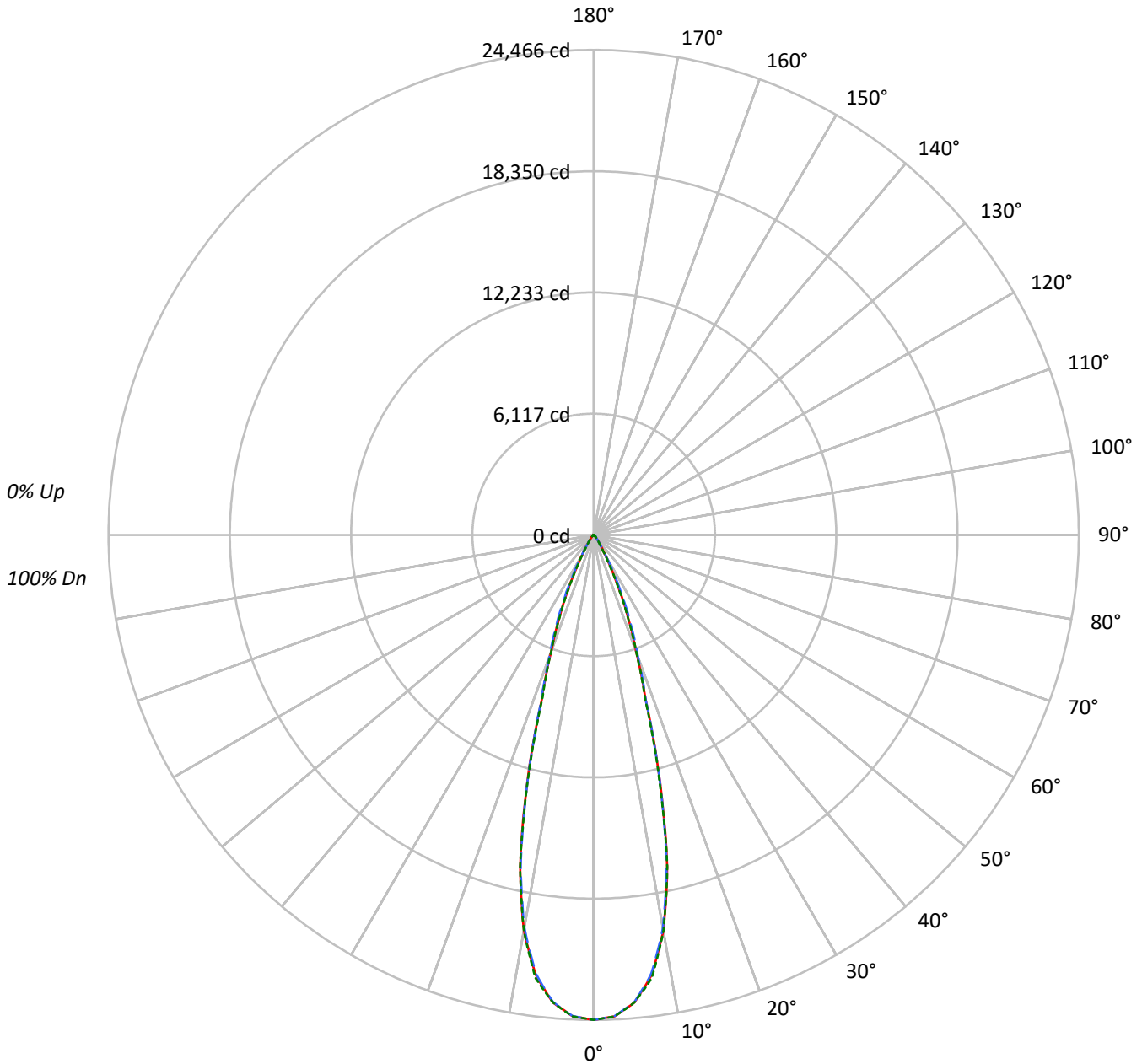
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	1872749	1872749	1872749
5°	1818987	1816867	1819079
10°	1575524	1564409	1575151
15°	1027947	1022432	1017289
20°	511151	530326	510467
25°	257482	290352	252203
30°	103092	112328	89817
35°	47814	45796	38386
40°	20644	22922	19444
45°	14559	18078	14689
50°	5001	13158	5287
55°	2883	5445	3043
60°	2021	2388	2021
65°	1304	1304	1304
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: 18078 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2151.5	28.3
10°-20°	3464.9	45.5
20°-30°	1497.3	19.7
30°-40°	341.3	4.5
40°-50°	117.2	1.5
50°-60°	28.6	0.4
60°-70°	7.4	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°	7113.7	93.5
0°-40°	7455.0	98.0
0°-60°	7600.8	99.9
0°-90°	7608.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7608.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	24466	24466	24466	24466	24466	
5°	23674	23651	23646	23695	23675	2153
15°	12972	12816	12902	12860	12838	3473
25°	3049	3164	3438	3084	2986	1459
35°	512	522	490	486	411	347
45°	134	167	167	167	136	95
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°	24466.5	24466.5	24466.5	24466.5	24466.5
2.5°	24304.4	24287.6	24297.2	24309.2	24314.0
5°	23673.7	23650.9	23646.1	23695.4	23674.9
7.5°	22401.6	22369.2	22320.0	22431.7	22536.2
10°	20270.7	20234.6	20127.7	20180.6	20265.9
12.5°	17124.7	17008.1	17005.7	17173.9	17151.1
15°	12972.0	12815.9	12902.4	12860.3	12837.5
17.5°	8723.3	8663.2	8778.5	8743.7	8593.6
20°	6275.2	6290.8	6510.6	6400.1	6266.8
22.5°	4579.1	4635.5	4896.2	4611.5	4507.0
25°	3048.7	3164.0	3437.9	3083.5	2986.2
27.5°	1875.1	1928.0	2205.4	1851.1	1798.2
30°	1166.4	1140.0	1270.9	1090.7	1016.2
32.5°	765.2	731.5	773.6	694.3	634.2
35°	511.7	522.5	490.1	486.5	410.8
37.5°	319.5	367.6	324.3	346.0	264.3
40°	206.6	266.7	229.4	253.5	194.6
42.5°	169.4	205.4	188.6	200.6	173.0
45°	134.5	167.0	167.0	167.0	135.7
47.5°	74.5	111.7	142.9	114.1	79.3
50°	42.0	56.5	110.5	58.9	44.4
52.5°	28.8	32.4	75.7	33.6	30.0
55°	21.6	22.8	40.8	24.0	22.8
57.5°	16.8	18.0	21.6	18.0	16.8
60°	13.2	13.2	15.6	14.4	13.2
62.5°	9.6	9.6	10.8	9.6	9.6
65°	7.2	7.2	7.2	7.2	7.2
67.5°	3.6	4.8	4.8	4.8	4.8
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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