

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: P771049

Luminaire Tested: LD6D75BD010-EU6DR3070959024-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771049
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-EU6DR3070959024-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6519.0 lumens
Efficiency: N/A
Efficacy: 90.0 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

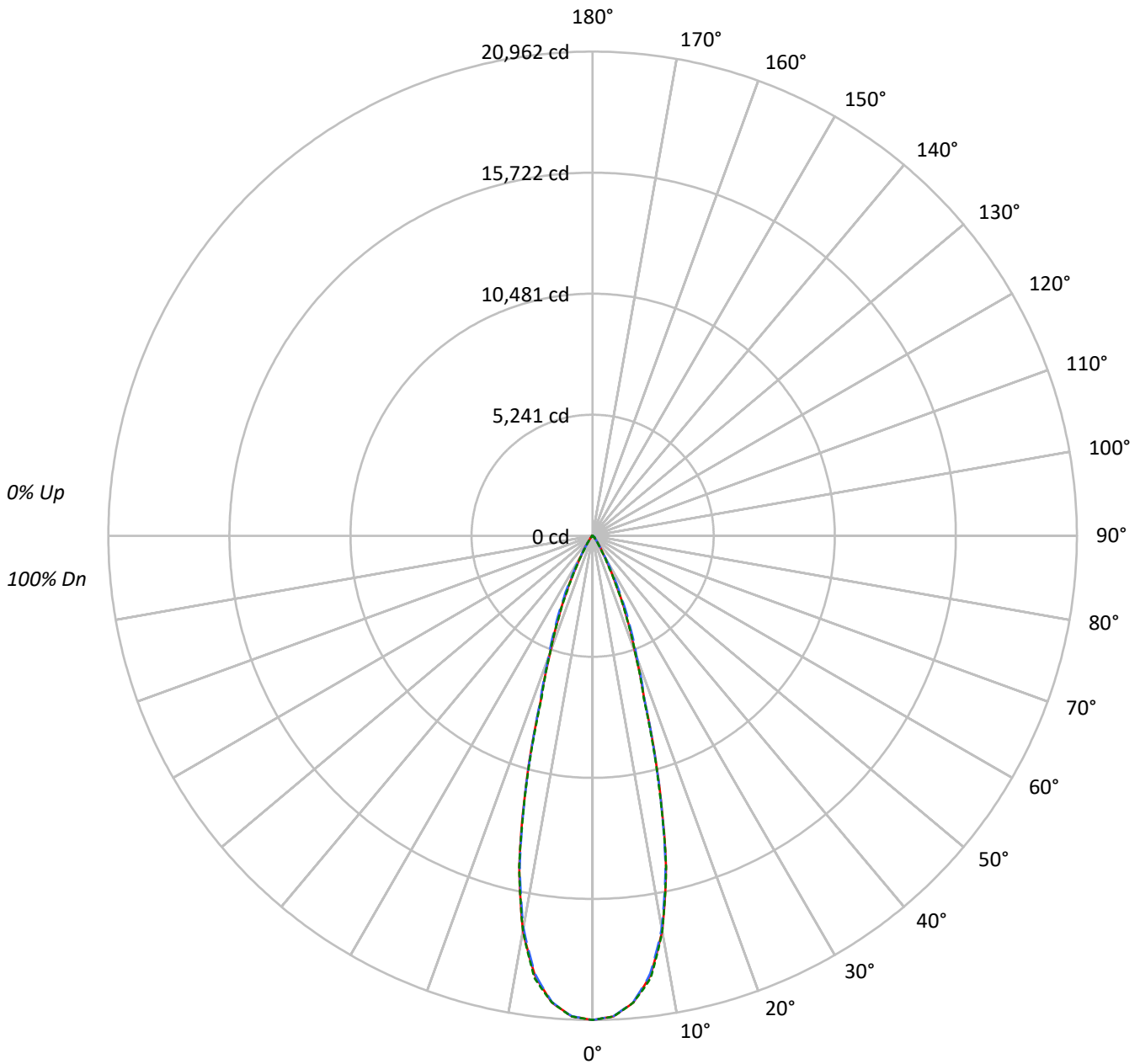
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1604487	1604487	1604487
5°	1558429	1556608	1558506
10°	1349836	1340315	1349518
15°	880697	875966	871568
20°	437931	454360	437344
25°	220600	248758	216081
30°	88323	96233	76957
35°	40965	39236	32892
40°	17686	19644	16657
45°	12481	15490	12589
50°	4287	11277	4537
55°	2469	4671	2616
60°	1730	2051	1730
65°	1123	1123	1123
70°	694	470	694
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 15490 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1843.3	28.3
10°-20°	2968.6	45.5
20°-30°	1282.8	19.7
30°-40°	292.4	4.5
40°-50°	100.4	1.5
50°-60°	24.5	0.4
60°-70°	6.4	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°	6094.7	93.5
0°-40°	6387.1	98.0
0°-60°	6512.0	99.9
0°-90°	6519.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6519.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20962	20962	20962	20962	20962	
5°	20283	20263	20259	20301	20284	1845
15°	11114	10980	11054	11018	10999	2976
25°	2612	2711	2945	2642	2558	1250
35°	438	448	420	417	352	297
45°	115	143	143	143	116	82
55°	18	20	35	21	20	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°	20961.8	20961.8	20961.8	20961.8	20961.8
2.5°	20822.9	20808.5	20816.7	20827.0	20831.1
5°	20282.6	20263.0	20258.9	20301.1	20283.6
7.5°	19192.7	19164.9	19122.7	19218.4	19308.0
10°	17367.0	17336.1	17244.5	17289.8	17362.9
12.5°	14671.6	14571.8	14569.7	14713.8	14694.3
15°	11113.8	10980.0	11054.1	11018.1	10998.6
17.5°	7473.7	7422.3	7521.1	7491.2	7362.6
20°	5376.3	5389.7	5578.0	5483.3	5369.1
22.5°	3923.1	3971.5	4194.8	3950.9	3861.4
25°	2612.0	2710.8	2945.4	2641.8	2558.5
27.5°	1606.5	1651.8	1889.5	1585.9	1540.6
30°	999.3	976.7	1088.8	934.5	870.7
32.5°	655.6	626.8	662.8	594.9	543.4
35°	438.4	447.7	419.9	416.8	352.0
37.5°	273.8	314.9	277.9	296.4	226.4
40°	177.0	228.5	196.6	217.2	166.7
42.5°	145.1	176.0	161.6	171.9	148.2
45°	115.3	143.1	143.1	143.1	116.3
47.5°	63.8	95.7	122.5	97.8	67.9
50°	36.0	48.4	94.7	50.4	38.1
52.5°	24.7	27.8	64.8	28.8	25.7
55°	18.5	19.6	35.0	20.6	19.6
57.5°	14.4	15.4	18.5	15.4	14.4
60°	11.3	11.3	13.4	12.3	11.3
62.5°	8.2	8.2	9.3	8.2	8.2
65°	6.2	6.2	6.2	6.2	6.2
67.5°	3.1	4.1	4.1	4.1	4.1
70°	3.1	2.1	2.1	2.1	3.1
72.5°	2.1	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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