

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P771051

Luminaire Tested: LD6D75BD010-EU6DR3070959024-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771051
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-EU6DR3070959024-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6520.0 lumens
Efficiency: N/A
Efficacy: 90.1 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

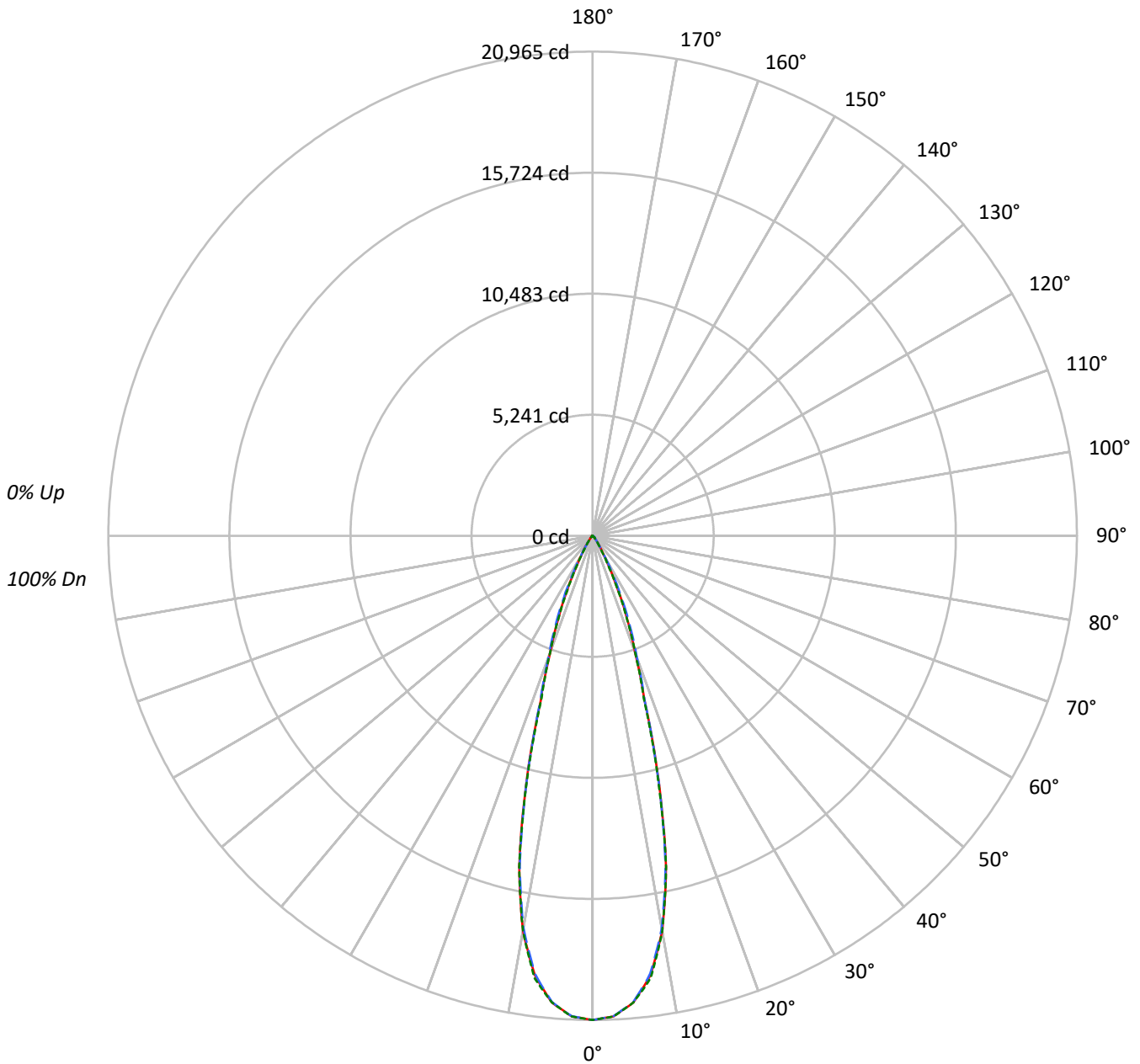
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	1604740	1604740	1604740
5°	1558675	1556854	1558752
10°	1350046	1340525	1349727
15°	880840	876109	871703
20°	437996	454434	437409
25°	220634	248800	216115
30°	88341	96251	76965
35°	40974	39246	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°	1843.6	28.3
10°-20°	2969.1	45.5
20°-30°	1283.0	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°	6095.7	93.5
0°-40°	6388.1	98.0
0°-60°	6513.0	99.9
0°-90°	6520.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6520.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20965	20965	20965	20965	20965	
5°	20286	20266	20262	20304	20287	1845
15°	11116	10982	11056	11020	11000	2976
25°	2612	2711	2946	2642	2559	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°	20965.1	20965.1	20965.1	20965.1	20965.1
2.5°	20826.2	20811.7	20820.0	20830.3	20834.4
5°	20285.8	20266.2	20262.1	20304.3	20286.8
7.5°	19195.7	19167.9	19125.7	19221.4	19311.0
10°	17369.7	17338.8	17247.2	17292.5	17365.6
12.5°	14673.9	14574.1	14572.0	14716.1	14696.6
15°	11115.6	10981.8	11055.9	11019.9	11000.3
17.5°	7474.9	7423.4	7522.2	7492.4	7363.7
20°	5377.1	5390.5	5578.9	5484.2	5369.9
22.5°	3923.8	3972.1	4195.5	3951.5	3862.0
25°	2612.4	2711.2	2945.9	2642.3	2558.9
27.5°	1606.8	1652.1	1889.8	1586.2	1540.9
30°	999.5	976.8	1089.0	934.6	870.8
32.5°	655.7	626.9	662.9	594.9	543.5
35°	438.5	447.8	420.0	416.9	352.0
37.5°	273.8	315.0	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	12.4	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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

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