

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: P771597

Luminaire Tested: LD6D75BD010-EU6DR6570959024-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771597
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D75BD010-EU6DR6570959024-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6552.9 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

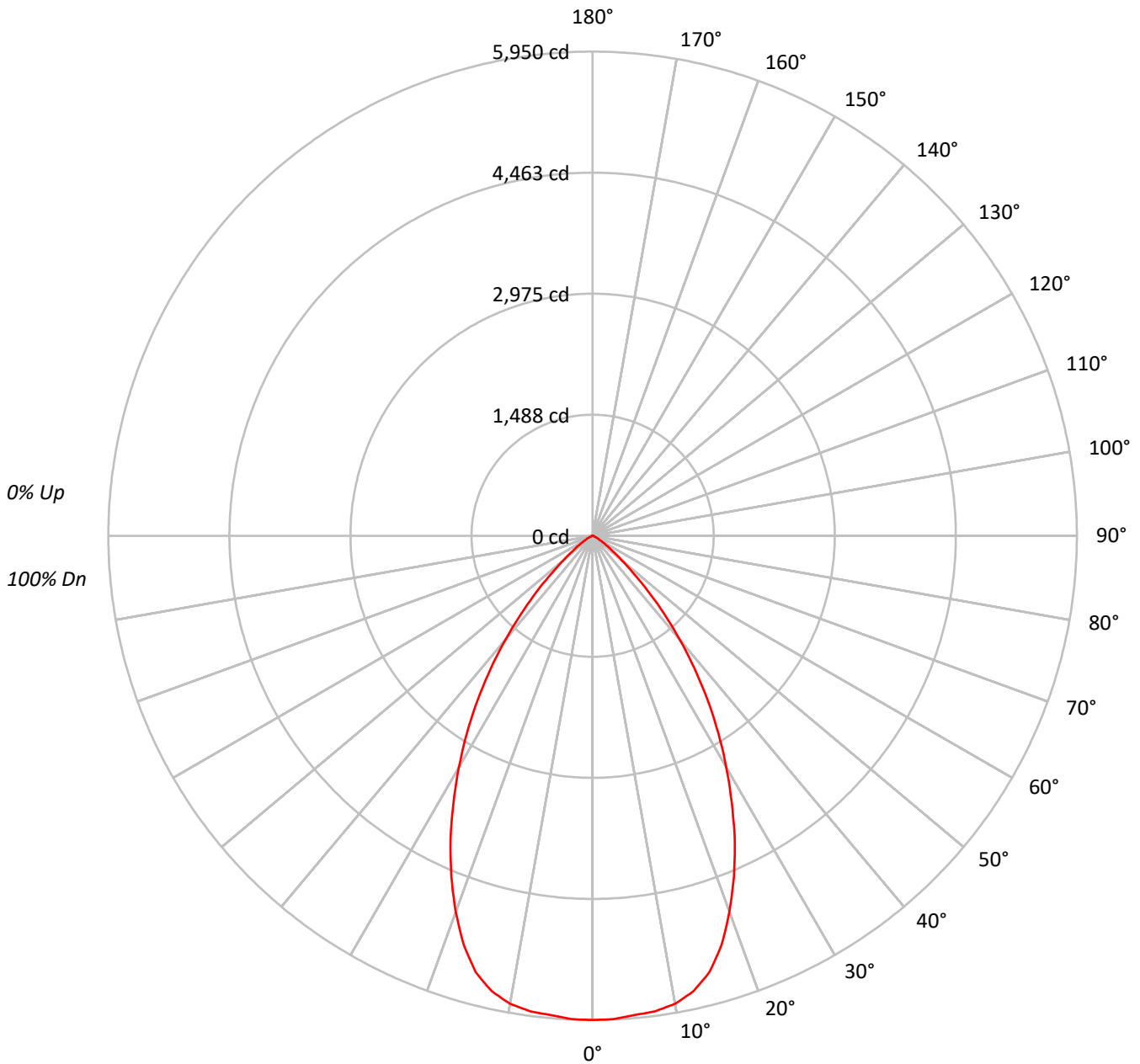
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	347491
5°	346614
10°	346322
15°	335642
20°	305565
25°	266279
30°	221470
35°	175479
40°	126651
45°	80019
50°	41705
55°	22167
60°	11646
65°	6398
70°	2681
75°	2956
80°	2052
85°	1742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 80019 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	562.7	8.6
10°-20°	1540.8	23.5
20°-30°	1883.4	28.7
30°-40°	1528.1	23.3
40°-50°	761.5	11.6
50°-60°	212.4	3.2
60°-70°	48.3	0.7
70°-80°	12.5	0.2
80°-90°	3.2	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°	3986.8	60.8
0°-40°	5515.0	84.2
0°-60°	6488.9	99.0
0°-90°	6552.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6552.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5950	
5°	5912	563
15°	5551	1541
25°	4132	1883
35°	2461	1528
45°	969	762
55°	218	212
65°	46	48
75°	13	13
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5949.8
2.5°	5945.5
5°	5912.2
7.5°	5893.0
10°	5839.7
12.5°	5731.3
15°	5551.1
17.5°	5269.6
20°	4916.4
22.5°	4535.2
25°	4132.1
27.5°	3701.1
30°	3284.0
32.5°	2872.2
35°	2461.2
37.5°	2051.2
40°	1661.2
42.5°	1295.8
45°	968.8
47.5°	675.0
50°	459.0
52.5°	316.5
55°	217.7
57.5°	146.9
60°	99.7
62.5°	69.1
65°	46.3
67.5°	23.6
70°	15.7
72.5°	14.9
75°	13.1
77.5°	8.7
80°	6.1
82.5°	4.4
85°	2.6
87.5°	1.7
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)