

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: P771662

Luminaire Tested: LD6D75BD010-EU6DR6570959050-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771662
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-EU6DR6570959050-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8147.0 lumens
Efficiency: N/A
Efficacy: 112.5 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

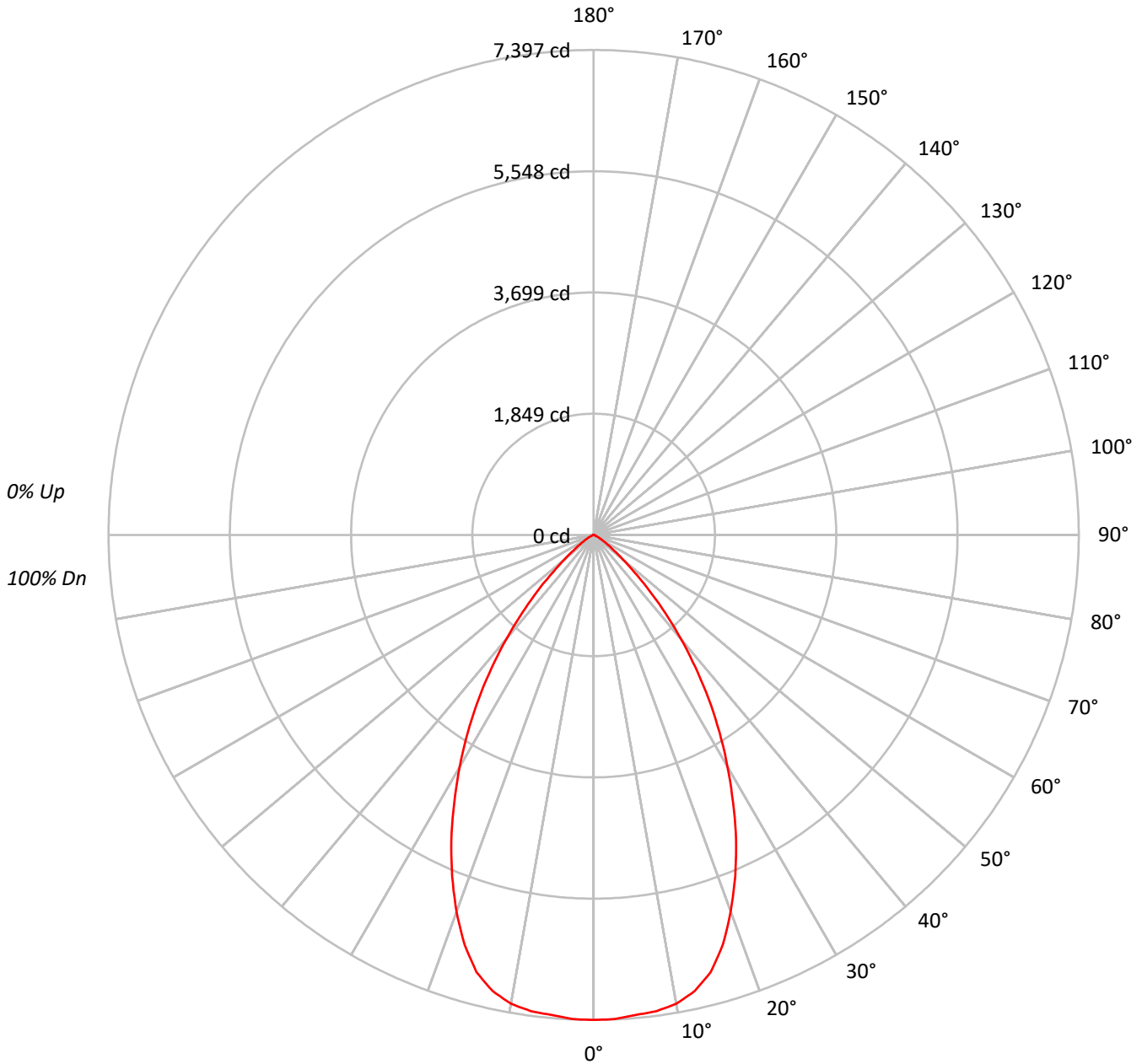
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	100	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93	93	93	93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72	72	72	72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61	61	61	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56	56	56	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52	52	52	52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49	49	49	49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46	46	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	432025
5°	430932
10°	430565
15°	417293
20°	379892
25°	331056
30°	275347
35°	218172
40°	157460
45°	99478
50°	51854
55°	27564
60°	14472
65°	7960
70°	3347
75°	3678
80°	2556
85°	2211

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 99478 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	699.5	8.6
10°-20°	1915.6	23.5
20°-30°	2341.5	28.7
30°-40°	1899.9	23.3
40°-50°	946.7	11.6
50°-60°	264.1	3.2
60°-70°	60.0	0.7
70°-80°	15.6	0.2
80°-90°	4.0	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°	4956.7	60.8
0°-40°	6856.5	84.2
0°-60°	8067.3	99.0
0°-90°	8147.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8147.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7397	
5°	7350	700
15°	6902	1916
25°	5137	2342
35°	3060	1900
45°	1204	947
55°	271	264
65°	58	60
75°	16	16
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7397.2
2.5°	7391.7
5°	7350.4
7.5°	7326.5
10°	7260.2
12.5°	7125.4
15°	6901.5
17.5°	6551.5
20°	6112.3
22.5°	5638.4
25°	5137.3
27.5°	4601.4
30°	4082.9
32.5°	3570.9
35°	3060.0
37.5°	2550.2
40°	2065.3
42.5°	1611.0
45°	1204.4
47.5°	839.2
50°	570.7
52.5°	393.5
55°	270.7
57.5°	182.6
60°	123.9
62.5°	85.9
65°	57.6
67.5°	29.3
70°	19.6
72.5°	18.5
75°	16.3
77.5°	10.9
80°	7.6
82.5°	5.4
85°	3.3
87.5°	2.2
90°	0.0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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