

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: P771596

Luminaire Tested: LD6D75BD010-EU6DR6570959024-6LBCSSQMMS

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771596
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-EU6DR6570959024-6LBCSSQMMMS
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

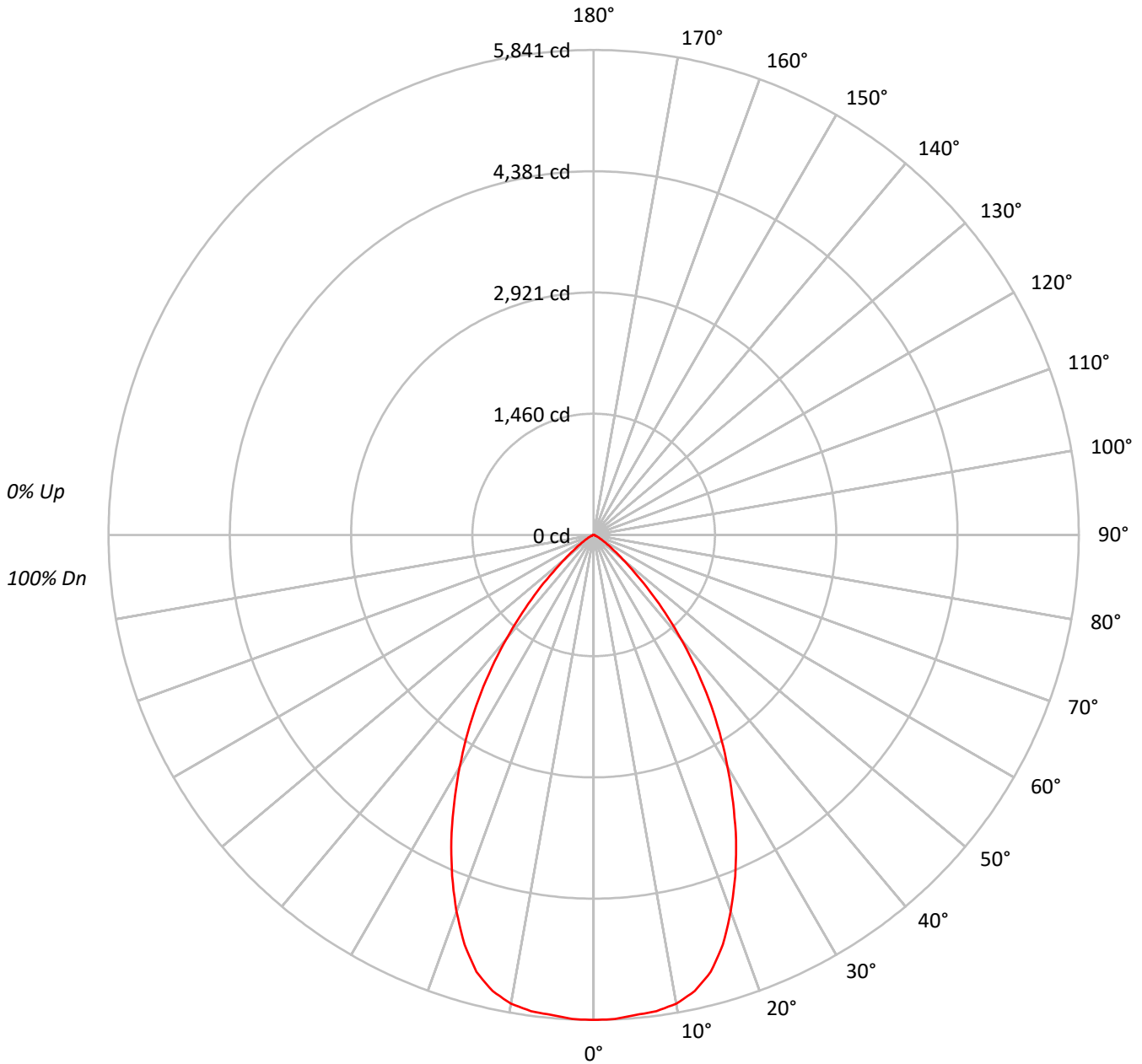
Lumens per Lamp: N/A
Luminaire Lumens: 6432.8 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

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				
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°	341125
5°	340265
10°	339977
15°	329493
20°	299965
25°	261401
30°	217410
35°	172270
40°	124334
45°	78548
50°	40942
55°	21760
60°	11424
65°	6288
70°	2630
75°	2911
80°	2018
85°	1742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 78548 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	552.4	8.6
10°-20°	1512.6	23.5
20°-30°	1848.9	28.7
30°-40°	1500.1	23.3
40°-50°	747.5	11.6
50°-60°	208.5	3.2
60°-70°	47.4	0.7
70°-80°	12.3	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°	3913.8	60.8
0°-40°	5413.9	84.2
0°-60°	6369.9	99.0
0°-90°	6432.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6432.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5841	
5°	5804	552
15°	5449	1513
25°	4056	1849
35°	2416	1500
45°	951	748
55°	214	208
65°	46	47
75°	13	12
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5840.8
2.5°	5836.5
5°	5803.9
7.5°	5785.0
10°	5732.7
12.5°	5626.2
15°	5449.4
17.5°	5173.1
20°	4826.3
22.5°	4452.1
25°	4056.4
27.5°	3633.2
30°	3223.8
32.5°	2819.6
35°	2416.2
37.5°	2013.6
40°	1630.8
42.5°	1272.0
45°	951.0
47.5°	662.6
50°	450.6
52.5°	310.7
55°	213.7
57.5°	144.2
60°	97.8
62.5°	67.8
65°	45.5
67.5°	23.2
70°	15.4
72.5°	14.6
75°	12.9
77.5°	8.6
80°	6.0
82.5°	4.3
85°	2.6
87.5°	1.7
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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