

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: P770163

Luminaire Tested: LD6D65D010-EU6DR7055659035-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770163
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D65D010-EU6DR7055659035-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4989.4 lumens
Efficiency: N/A
Efficacy: 68.5 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

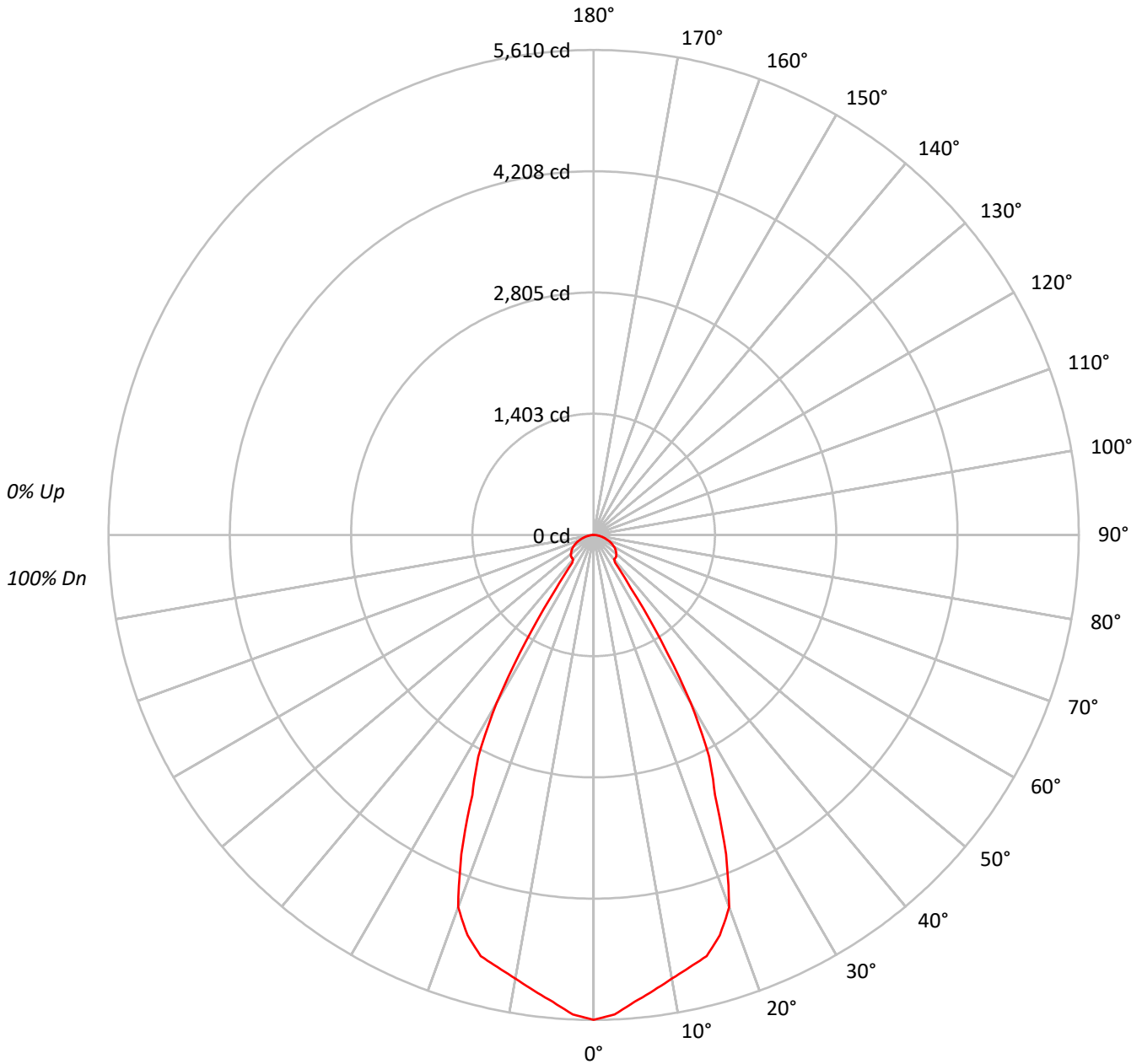
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	612898
5°	594686
10°	578119
15°	570530
20°	532762
25°	400234
30°	282934
35°	100224
40°	52702
45°	56136
50°	58116
55°	59223
60°	59591
65°	58325
70°	55042
75°	50996
80°	45240
85°	36731

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 59602 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	511.4	10.3
10°-20°	1402.8	28.1
20°-30°	1545.0	31.0
30°-40°	590.3	11.8
40°-50°	278.7	5.6
50°-60°	277.1	5.6
60°-70°	221.9	4.4
70°-80°	127.5	2.6
80°-90°	34.6	0.7
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°	3459.3	69.3
0°-40°	4049.6	81.2
0°-60°	4605.4	92.3
0°-90°	4989.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4989.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5610	
5°	5422	511
15°	5044	1403
25°	3320	1545
35°	751	590
45°	363	279
55°	311	277
65°	226	222
75°	121	128
85°	29	35
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5609.5
2.5°	5550.9
5°	5422.1
7.5°	5314.7
10°	5210.8
12.5°	5122.8
15°	5043.8
17.5°	4852.8
20°	4582.0
22.5°	3997.6
25°	3319.9
27.5°	2890.0
30°	2242.6
32.5°	1448.6
35°	751.4
37.5°	405.9
40°	369.5
42.5°	366.8
45°	363.3
47.5°	355.3
50°	341.9
52.5°	326.8
55°	310.9
57.5°	293.1
60°	272.7
62.5°	249.6
65°	225.6
67.5°	198.9
70°	172.3
72.5°	145.7
75°	120.8
77.5°	95.0
80°	71.9
82.5°	50.6
85°	29.3
87.5°	11.5
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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