

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: P770176

Luminaire Tested: LD6D65D010-EU6DR7055659040-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770176
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-EU6DR7055659040-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5222.7 lumens
Efficiency: N/A
Efficacy: 71.7 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

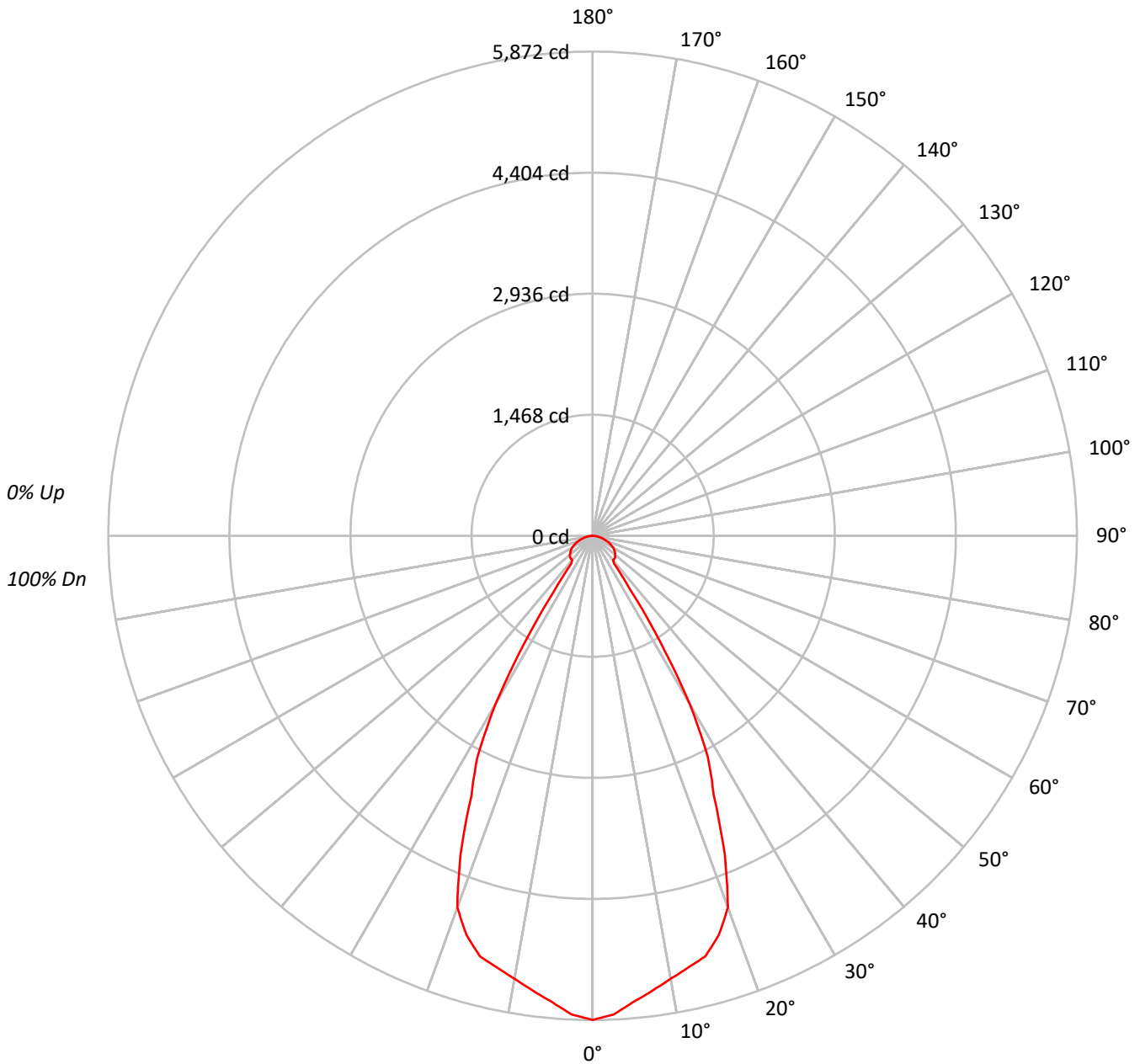
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	641557
5°	622489
10°	605145
15°	597202
20°	557668
25°	418944
30°	296156
35°	104906
40°	55155
45°	58748
50°	60836
55°	61986
60°	62366
65°	61040
70°	57630
75°	53360
80°	47379
85°	38486

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 62388 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	535.3	10.3
10°-20°	1468.4	28.1
20°-30°	1617.3	31.0
30°-40°	617.9	11.8
40°-50°	291.8	5.6
50°-60°	290.1	5.6
60°-70°	232.2	4.4
70°-80°	133.5	2.6
80°-90°	36.3	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°	3621.0	69.3
0°-40°	4238.9	81.2
0°-60°	4820.7	92.3
0°-90°	5222.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5222.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5872	
5°	5676	535
15°	5280	1468
25°	3475	1617
35°	786	618
45°	380	292
55°	325	290
65°	236	232
75°	126	133
85°	31	36
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5871.8
2.5°	5810.4
5°	5675.6
7.5°	5563.2
10°	5454.4
12.5°	5362.3
15°	5279.6
17.5°	5079.7
20°	4796.2
22.5°	4184.5
25°	3475.1
27.5°	3025.2
30°	2347.4
32.5°	1516.3
35°	786.5
37.5°	424.9
40°	386.7
42.5°	384.0
45°	380.2
47.5°	371.9
50°	357.9
52.5°	342.1
55°	325.4
57.5°	306.8
60°	285.4
62.5°	261.2
65°	236.1
67.5°	208.2
70°	180.4
72.5°	152.5
75°	126.4
77.5°	99.5
80°	75.3
82.5°	53.0
85°	30.7
87.5°	12.1
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)