

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: P768577

Luminaire Tested: LD6D55D010-EU6DR7055659027-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P768577
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: LD6D55D010-EU6DR7055659027-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3940.7 lumens
Efficiency: N/A
Efficacy: 67.7 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

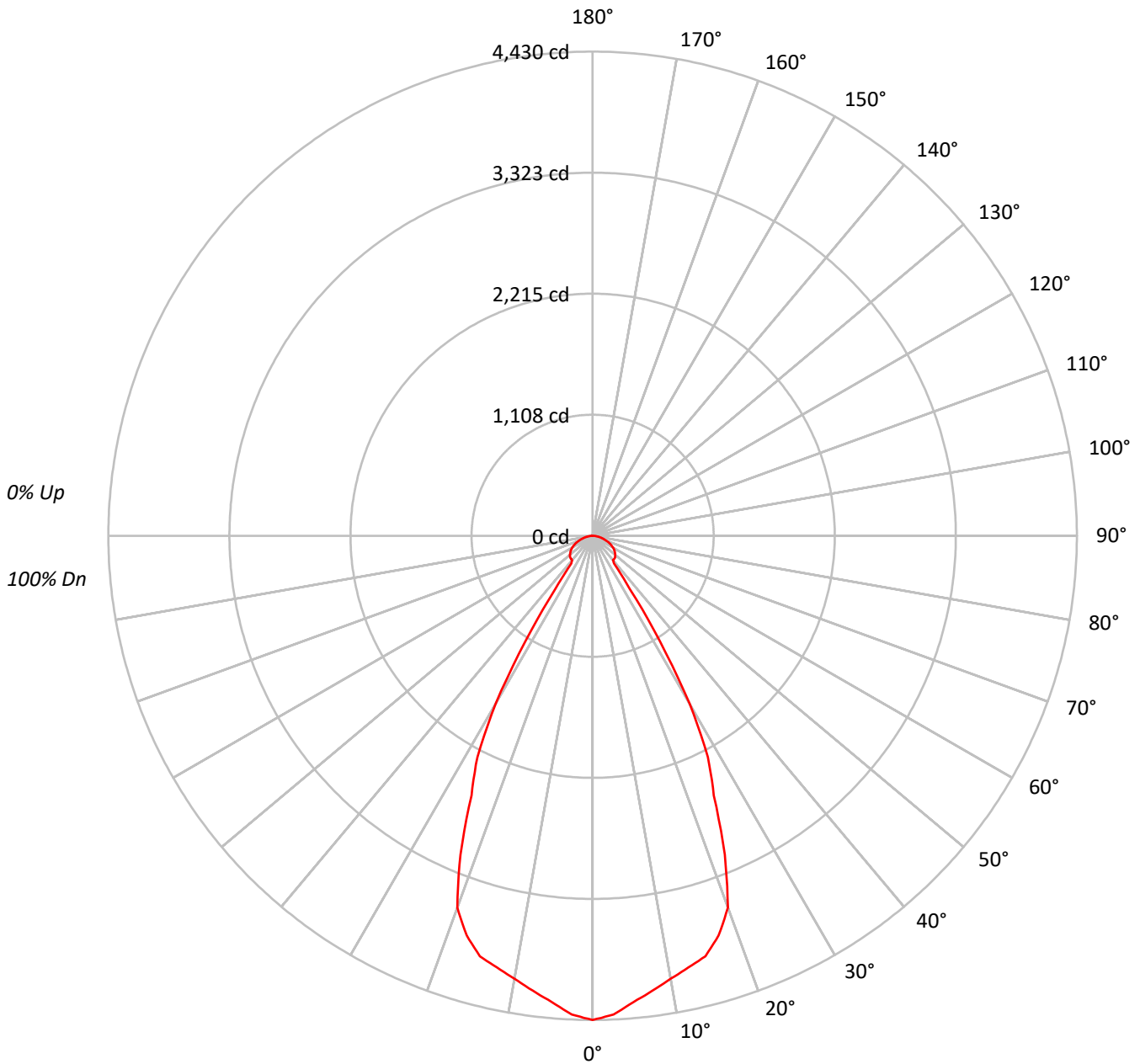
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	484069
5°	469686
10°	456599
15°	450605
20°	420780
25°	316110
30°	223461
35°	79149
40°	41619
45°	44331
50°	45911
55°	46765
60°	47048
65°	46071
70°	43478
75°	40273
80°	35739
85°	28959

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 47076 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.9	10.3
10°-20°	1108.0	28.1
20°-30°	1220.3	31.0
30°-40°	466.2	11.8
40°-50°	220.1	5.6
50°-60°	218.8	5.6
60°-70°	175.2	4.4
70°-80°	100.7	2.6
80°-90°	27.4	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°	2732.1	69.3
0°-40°	3198.4	81.2
0°-60°	3637.4	92.3
0°-90°	3940.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3940.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4430	
5°	4282	404
15°	3984	1108
25°	2622	1220
35°	593	466
45°	287	220
55°	246	219
65°	178	175
75°	95	101
85°	23	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4430.4
2.5°	4384.2
5°	4282.4
7.5°	4197.6
10°	4115.5
12.5°	4046.0
15°	3983.6
17.5°	3832.8
20°	3618.9
22.5°	3157.3
25°	2622.1
27.5°	2282.6
30°	1771.2
32.5°	1144.1
35°	593.4
37.5°	320.6
40°	291.8
42.5°	289.7
45°	286.9
47.5°	280.6
50°	270.1
52.5°	258.1
55°	245.5
57.5°	231.5
60°	215.3
62.5°	197.1
65°	178.2
67.5°	157.1
70°	136.1
72.5°	115.0
75°	95.4
77.5°	75.1
80°	56.8
82.5°	40.0
85°	23.1
87.5°	9.1
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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(END OF REPORT)