

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: P768486

Luminaire Tested: LD6D55D010-EU6DR6555659024-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P768486
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D55D010-EU6DR6555659024-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3741.1 lumens
Efficiency: N/A
Efficacy: 64.3 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

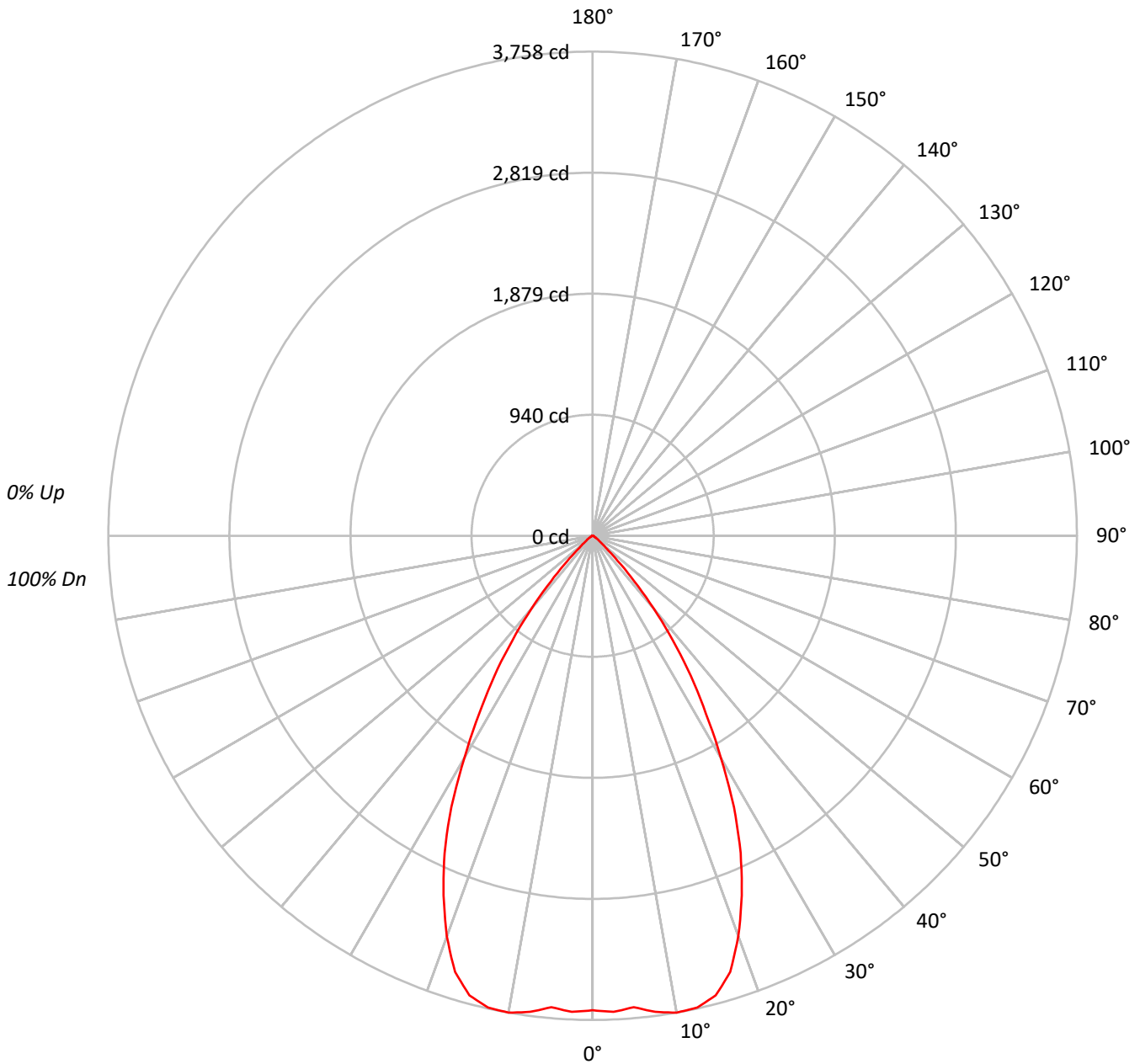
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	402451
5°	402782
10°	416958
15°	417655
20°	384514
25°	327635
30°	250813
35°	177199
40°	104590
45°	42462
50°	15400
55°	8572
60°	4917
65°	2715
70°	2843
75°	2195
80°	2328
85°	2006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 42462 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.7	9.5
10°-20°	1023.1	27.3
20°-30°	1227.5	32.8
30°-40°	824.9	22.1
40°-50°	246.9	6.6
50°-60°	43.6	1.2
60°-70°	12.4	0.3
70°-80°	6.1	0.2
80°-90°	1.9	0.1
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°	2605.3	69.6
0°-40°	3430.2	91.7
0°-60°	3720.7	99.5
0°-90°	3741.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3741.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3683	
5°	3672	355
15°	3692	1023
25°	2718	1228
35°	1328	825
45°	275	247
55°	45	44
65°	10	12
75°	5	6
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3683.4
2.5°	3699.1
5°	3672.4
7.5°	3727.9
10°	3758.2
12.5°	3750.9
15°	3692.3
17.5°	3548.9
20°	3307.0
22.5°	3022.3
25°	2717.7
27.5°	2373.8
30°	1988.0
32.5°	1638.3
35°	1328.5
37.5°	1022.3
40°	733.3
42.5°	478.9
45°	274.8
47.5°	145.5
50°	90.6
52.5°	62.8
55°	45.0
57.5°	32.5
60°	22.5
62.5°	14.7
65°	10.5
67.5°	9.4
70°	8.9
72.5°	6.8
75°	5.2
77.5°	4.7
80°	3.7
82.5°	2.6
85°	1.6
87.5°	1.0
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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