

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: P768630

Luminaire Tested: LD6D55D010-EU6DR7055659050-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P768630
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-EU6DR7055659050-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5760.1 lumens
Efficiency: N/A
Efficacy: 99.0 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

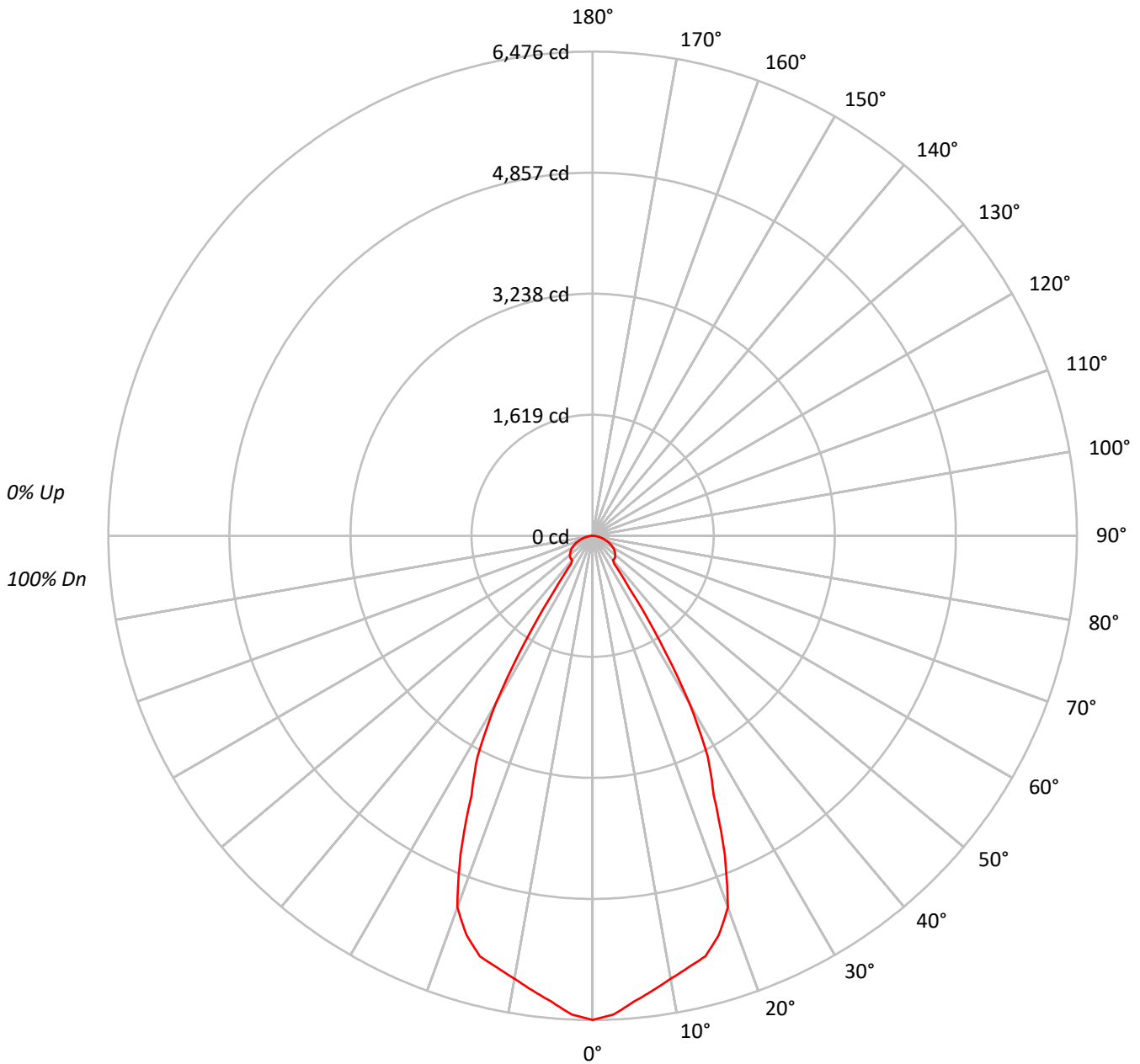
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	707584
5°	686552
10°	667420
15°	658658
20°	615060
25°	462055
30°	326637
35°	115696
40°	60832
45°	64805
50°	67108
55°	68367
60°	68791
65°	67322
70°	63540
75°	58848
80°	52287
85°	42373

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 68814 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	590.4	10.3
10°-20°	1619.5	28.1
20°-30°	1783.7	31.0
30°-40°	681.5	11.8
40°-50°	321.8	5.6
50°-60°	319.9	5.6
60°-70°	256.1	4.4
70°-80°	147.2	2.6
80°-90°	40.0	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°	3993.6	69.3
0°-40°	4675.1	81.2
0°-60°	5316.8	92.3
0°-90°	5760.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5760.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6476	
5°	6260	590
15°	5823	1620
25°	3833	1784
35°	867	681
45°	419	322
55°	359	320
65°	260	256
75°	139	147
85°	34	40
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6476.1
2.5°	6408.4
5°	6259.7
7.5°	6135.7
10°	6015.7
12.5°	5914.2
15°	5822.9
17.5°	5602.5
20°	5289.8
22.5°	4615.1
25°	3832.7
27.5°	3336.5
30°	2589.0
32.5°	1672.3
35°	867.4
37.5°	468.6
40°	426.5
42.5°	423.5
45°	419.4
47.5°	410.1
50°	394.8
52.5°	377.3
55°	358.9
57.5°	338.4
60°	314.8
62.5°	288.1
65°	260.4
67.5°	229.7
70°	198.9
72.5°	168.2
75°	139.4
77.5°	109.7
80°	83.1
82.5°	58.4
85°	33.8
87.5°	13.3
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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