

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: P768617

Luminaire Tested: LD6D55D010-EU6DR7055659040-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P768617
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-EU6DR7055659040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

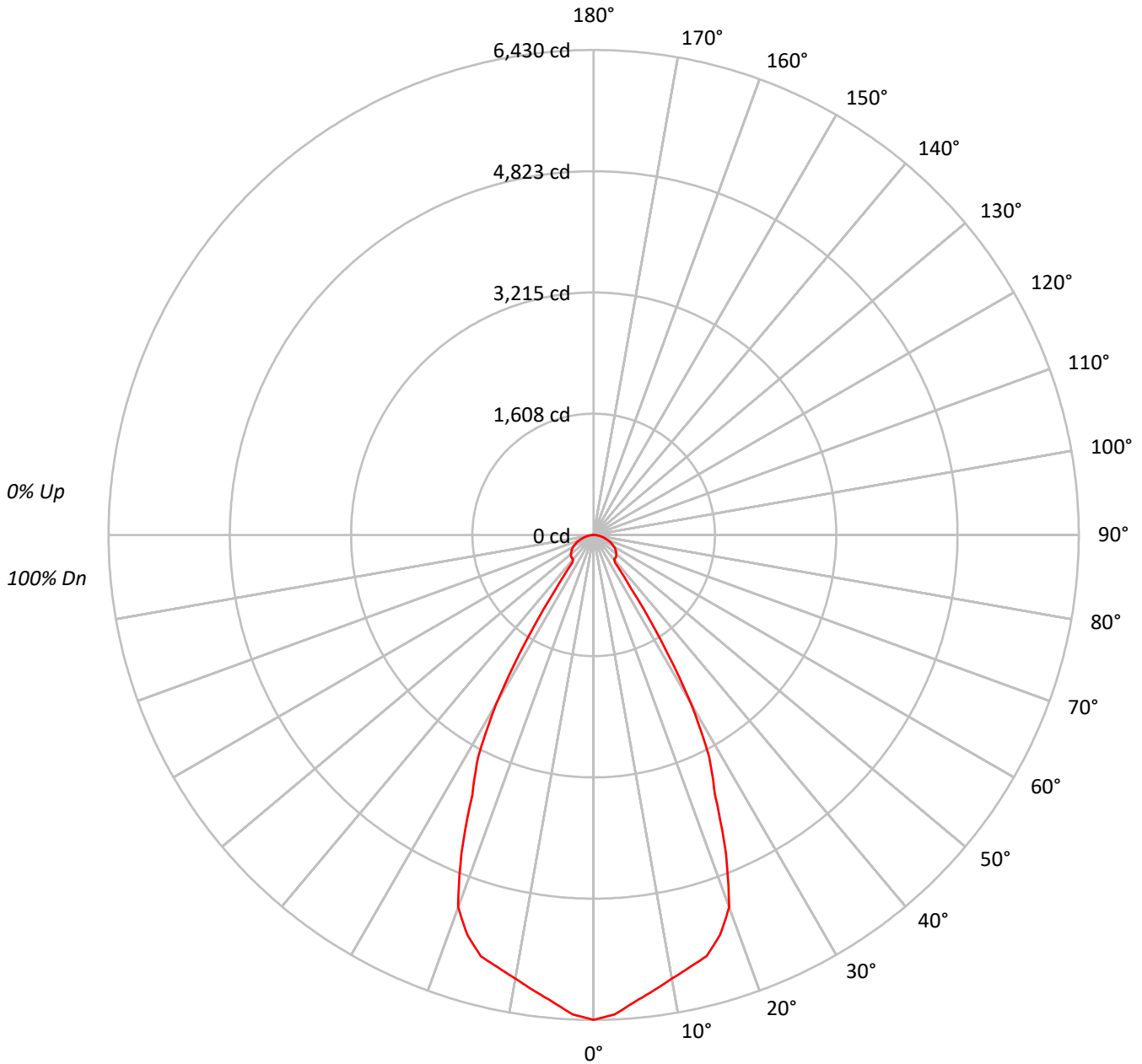
Lumens per Lamp: N/A
Luminaire Lumens: 5719.3 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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°	702569
5°	681682
10°	662682
15°	653986
20°	610688
25°	458788
30°	324316
35°	114883
40°	60404
45°	64341
50°	66632
55°	67872
60°	68288
65°	66857
70°	63093
75°	58468
80°	51910
85°	42122

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 68326 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	586.2	10.3
10°-20°	1608.0	28.1
20°-30°	1771.0	31.0
30°-40°	676.7	11.8
40°-50°	319.5	5.6
50°-60°	317.7	5.6
60°-70°	254.3	4.4
70°-80°	146.2	2.6
80°-90°	39.7	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°	3965.3	69.3
0°-40°	4642.0	81.2
0°-60°	5279.1	92.3
0°-90°	5719.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5719.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6430	
5°	6215	586
15°	5782	1608
25°	3806	1771
35°	861	677
45°	416	320
55°	356	318
65°	259	254
75°	138	146
85°	34	40
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6430.2
2.5°	6363.0
5°	6215.3
7.5°	6092.2
10°	5973.0
12.5°	5872.3
15°	5781.6
17.5°	5562.8
20°	5252.2
22.5°	4582.4
25°	3805.6
27.5°	3312.8
30°	2570.6
32.5°	1660.5
35°	861.3
37.5°	465.3
40°	423.5
42.5°	420.5
45°	416.4
47.5°	407.2
50°	392.0
52.5°	374.7
55°	356.3
57.5°	336.0
60°	312.5
62.5°	286.1
65°	258.6
67.5°	228.0
70°	197.5
72.5°	167.0
75°	138.5
77.5°	108.9
80°	82.5
82.5°	58.0
85°	33.6
87.5°	13.2
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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