

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: P767668

Luminaire Tested: LD6D50D010-EU6DR6040509035-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P767668
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D50D010-EU6DR6040509035-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

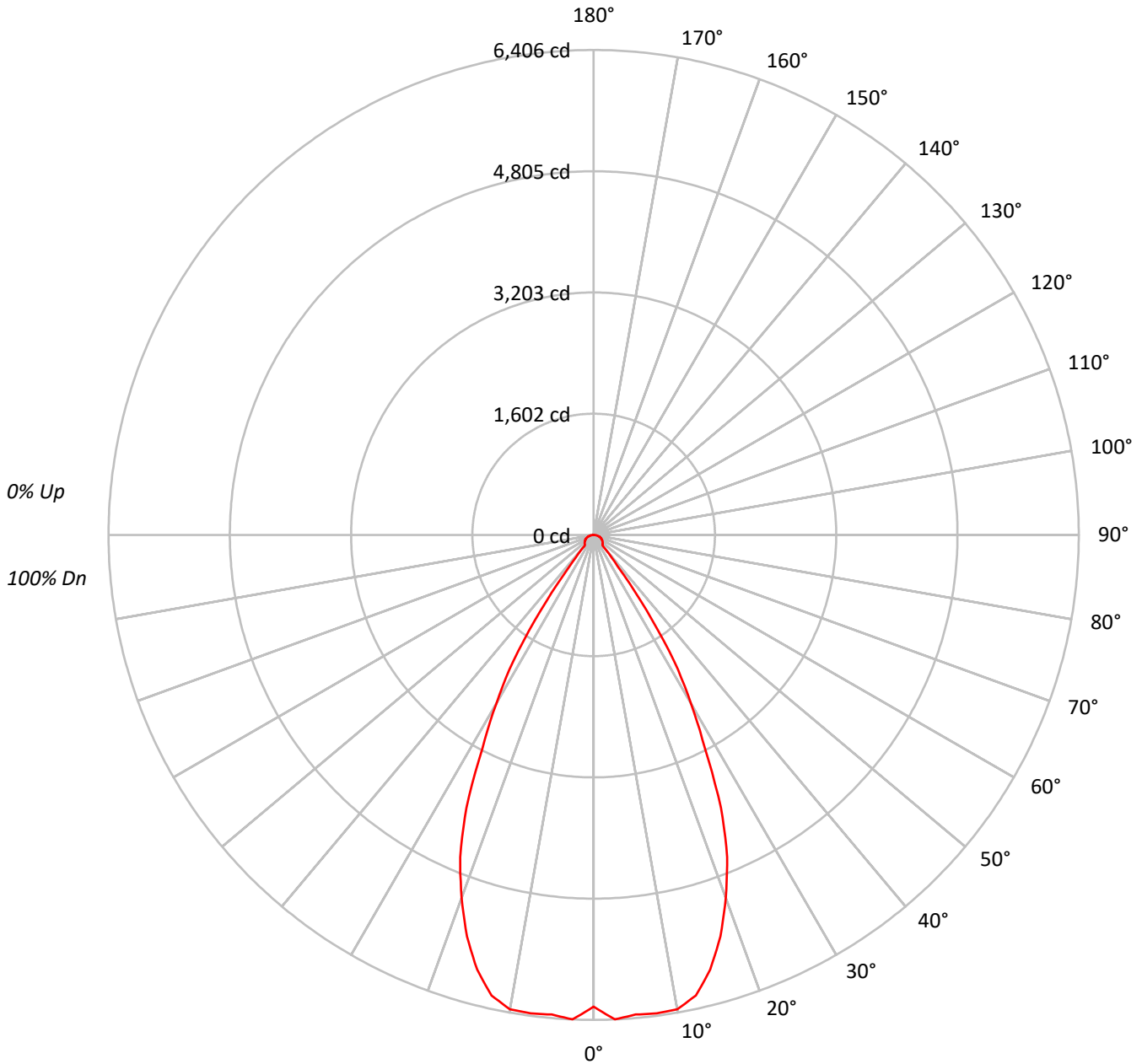
Lumens per Lamp: N/A
Luminaire Lumens: 5246.2 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	680738
5°	697476
10°	705896
15°	672469
20°	592910
25°	479559
30°	324379
35°	162554
40°	26372
45°	25805
50°	26330
55°	26726
60°	27468
65°	28103
70°	28751
75°	29086
80°	28063
85°	23317

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 29086 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	607.8	11.6
10°-20°	1644.4	31.3
20°-30°	1769.3	33.7
30°-40°	769.1	14.7
40°-50°	129.2	2.5
50°-60°	125.6	2.4
60°-70°	107.4	2.0
70°-80°	71.9	1.4
80°-90°	21.5	0.4
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°	4021.5	76.7
0°-40°	4790.5	91.3
0°-60°	5045.3	96.2
0°-90°	5246.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5246.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6230	
5°	6359	608
15°	5945	1644
25°	3978	1769
35°	1219	769
45°	167	129
55°	140	126
65°	109	107
75°	69	72
85°	19	21
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6230.4
2.5°	6405.5
5°	6359.3
7.5°	6373.9
10°	6362.5
12.5°	6231.2
15°	5945.0
17.5°	5560.6
20°	5099.3
22.5°	4605.5
25°	3977.9
27.5°	3181.7
30°	2571.1
32.5°	1981.7
35°	1218.7
37.5°	521.4
40°	184.9
42.5°	170.3
45°	167.0
47.5°	161.4
50°	154.9
52.5°	147.6
55°	140.3
57.5°	133.0
60°	125.7
62.5°	117.6
65°	108.7
67.5°	99.7
70°	90.0
72.5°	79.5
75°	68.9
77.5°	56.8
80°	44.6
82.5°	31.6
85°	18.6
87.5°	6.5
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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