

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: P767628

Luminaire Tested: LD6D50D010-EU6DR6040509024-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P767628
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-EU6DR6040509024-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

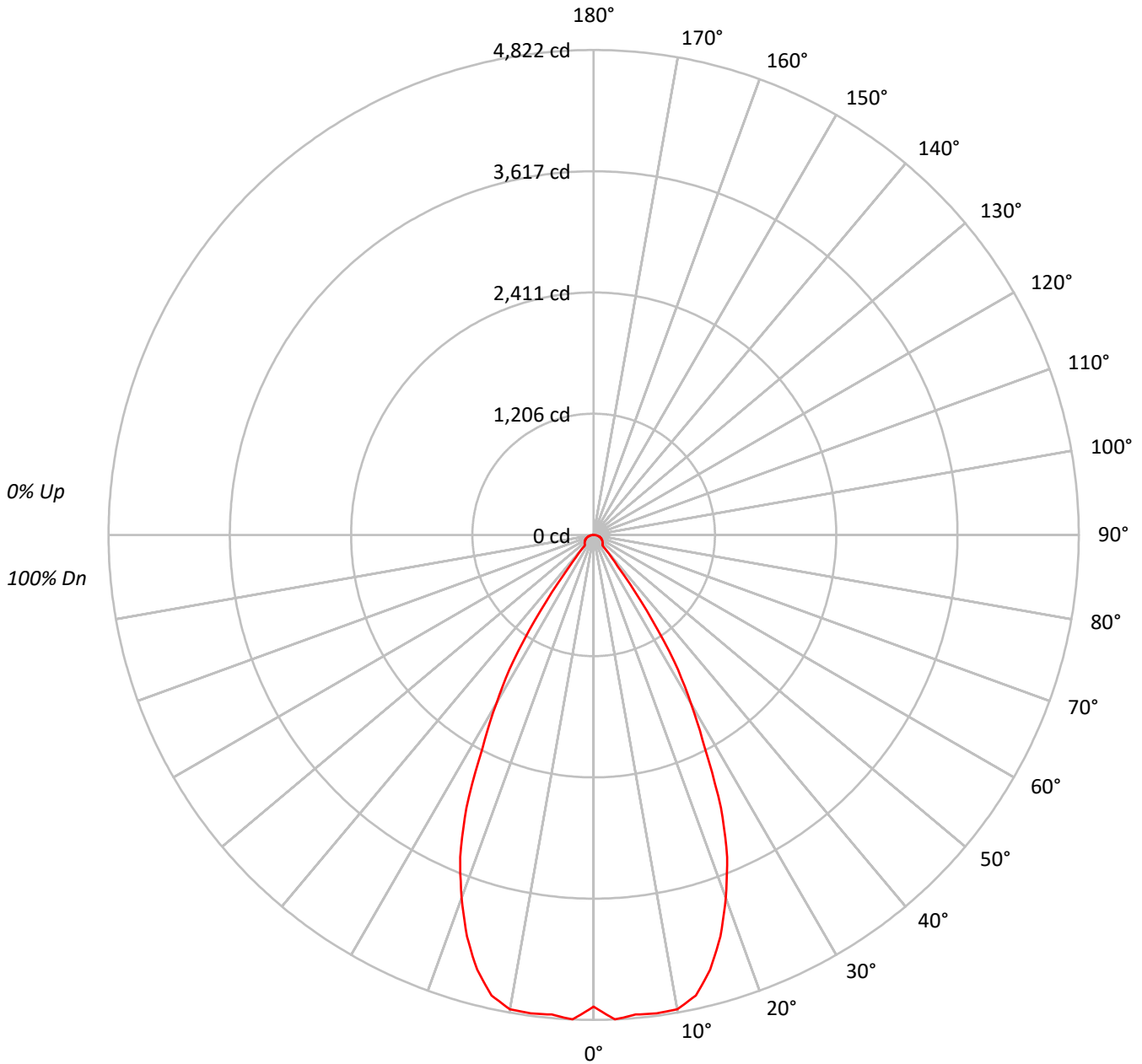
Lumens per Lamp: N/A
Luminaire Lumens: 3949.0 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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				20				
RC	80				70				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			100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	512422
5°	525029
10°	531366
15°	506201
20°	446313
25°	360993
30°	244177
35°	122365
40°	19854
45°	19423
50°	19820
55°	20116
60°	20672
65°	21148
70°	21627
75°	21910
80°	21141
85°	17551

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 21910 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.5	11.6
10°-20°	1237.8	31.3
20°-30°	1331.8	33.7
30°-40°	578.9	14.7
40°-50°	97.2	2.5
50°-60°	94.6	2.4
60°-70°	80.9	2.0
70°-80°	54.1	1.4
80°-90°	16.2	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°	3027.2	76.7
0°-40°	3606.1	91.3
0°-60°	3797.9	96.2
0°-90°	3949.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3949.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4690	
5°	4787	458
15°	4475	1238
25°	2994	1332
35°	917	579
45°	126	97
55°	106	95
65°	82	81
75°	52	54
85°	14	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4689.9
2.5°	4821.8
5°	4787.0
7.5°	4798.0
10°	4789.4
12.5°	4690.6
15°	4475.1
17.5°	4185.8
20°	3838.5
22.5°	3466.8
25°	2994.4
27.5°	2395.0
30°	1935.4
32.5°	1491.7
35°	917.4
37.5°	392.5
40°	139.2
42.5°	128.2
45°	125.7
47.5°	121.5
50°	116.6
52.5°	111.1
55°	105.6
57.5°	100.1
60°	94.6
62.5°	88.5
65°	81.8
67.5°	75.1
70°	67.7
72.5°	59.8
75°	51.9
77.5°	42.7
80°	33.6
82.5°	23.8
85°	14.0
87.5°	4.9
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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