

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: P767837

Luminaire Tested: LD6D50D010-EU6DR7040509040-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P767837
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: LD6D50D010-EU6DR7040509040-6LBSQW1MW
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

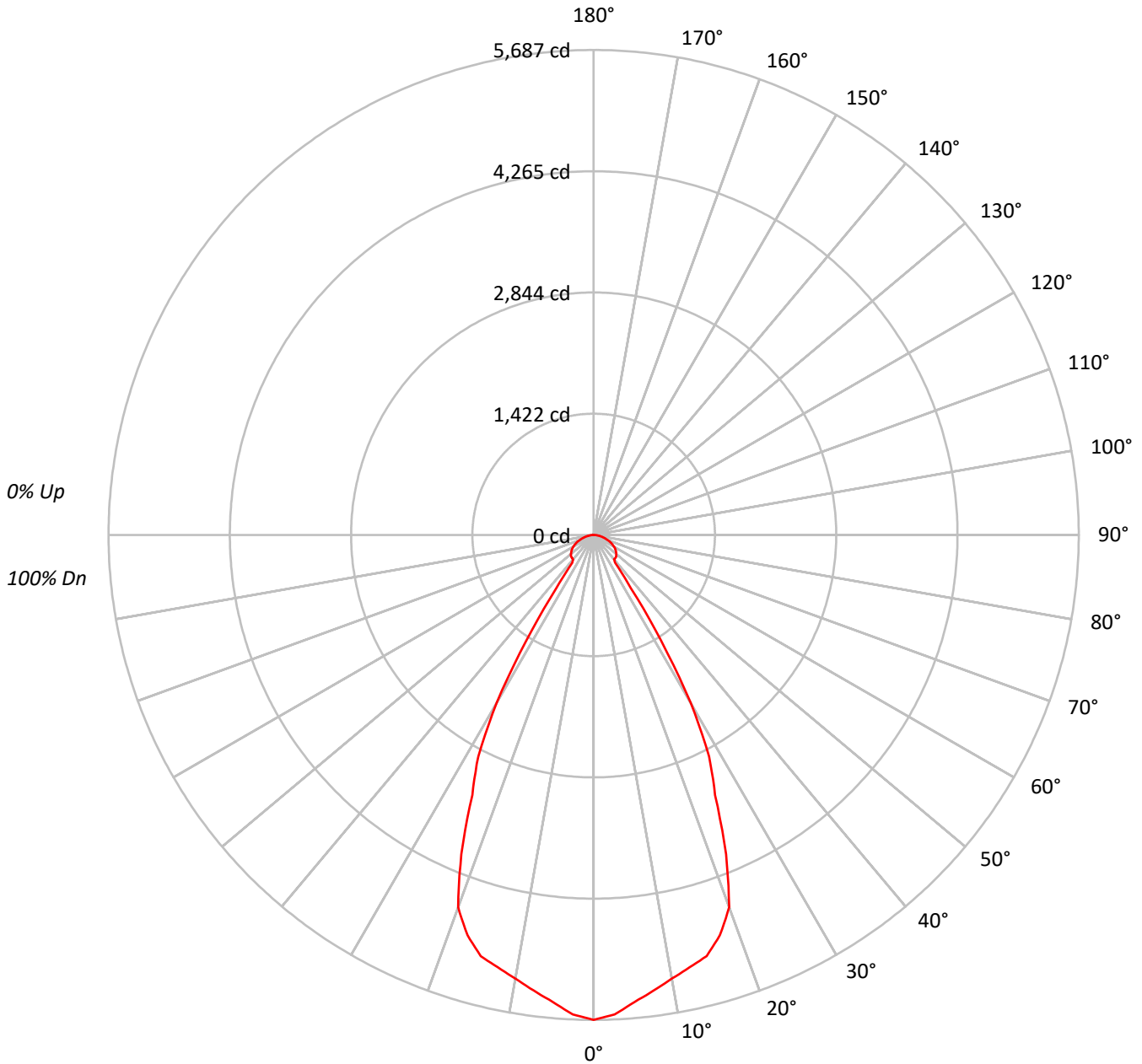
Lumens per Lamp: N/A
Luminaire Lumens: 5058.7 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	621410
5°	602944
10°	586140
15°	578448
20°	540146
25°	405791
30°	286858
35°	101611
40°	53429
45°	56909
50°	58932
55°	60043
60°	60399
65°	59126
70°	55809
75°	51714
80°	45869
85°	37233

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 60436 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	518.5	10.3
10°-20°	1422.3	28.1
20°-30°	1566.4	31.0
30°-40°	598.5	11.8
40°-50°	282.6	5.6
50°-60°	281.0	5.6
60°-70°	224.9	4.4
70°-80°	129.3	2.6
80°-90°	35.1	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°	3507.2	69.3
0°-40°	4105.7	81.2
0°-60°	4669.3	92.3
0°-90°	5058.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5058.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5687	
5°	5497	519
15°	5114	1422
25°	3366	1566
35°	762	598
45°	368	283
55°	315	281
65°	229	225
75°	122	129
85°	30	35
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5687.4
2.5°	5628.0
5°	5497.4
7.5°	5388.4
10°	5283.1
12.5°	5193.9
15°	5113.8
17.5°	4920.2
20°	4645.5
22.5°	4053.0
25°	3366.0
27.5°	2930.1
30°	2273.7
32.5°	1468.7
35°	761.8
37.5°	411.5
40°	374.6
42.5°	371.9
45°	368.3
47.5°	360.2
50°	346.7
52.5°	331.4
55°	315.2
57.5°	297.2
60°	276.4
62.5°	253.0
65°	228.7
67.5°	201.7
70°	174.7
72.5°	147.7
75°	122.5
77.5°	96.4
80°	72.9
82.5°	51.3
85°	29.7
87.5°	11.7
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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