

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: P769241

Luminaire Tested: LD6D60D010-EU6DR6055659040-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P769241
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: LD6D60D010-EU6DR6055659040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6827.1 lumens
Efficiency: N/A
Efficacy: 106.0 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

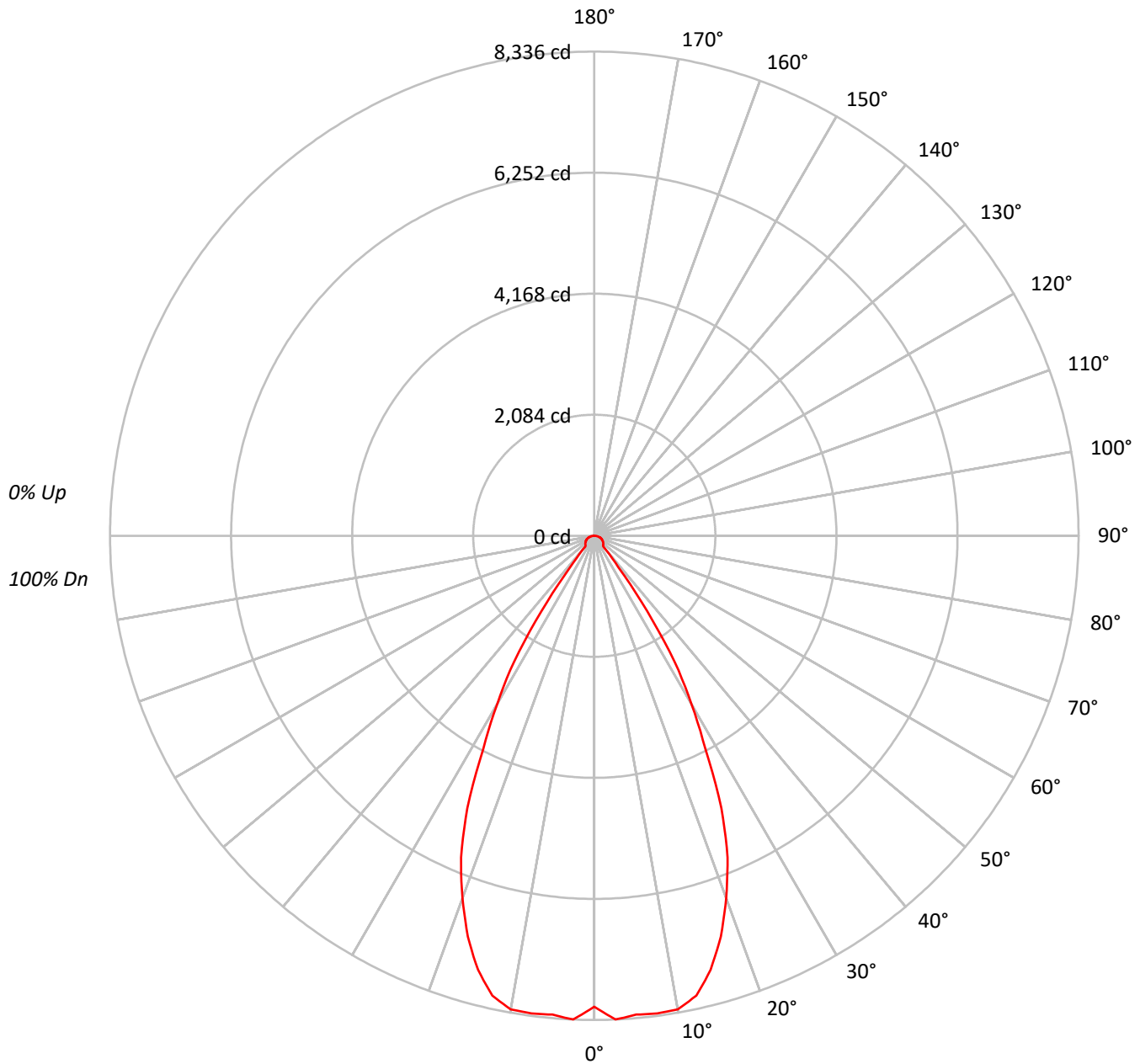
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	885897
5°	907674
10°	918646
15°	875126
20°	771598
25°	624094
30°	422143
35°	211532
40°	34317
45°	33592
50°	34251
55°	34764
60°	35750
65°	36557
70°	37408
75°	37867
80°	36494
85°	30463

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 37867 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	791.0	11.6
10°-20°	2140.0	31.3
20°-30°	2302.5	33.7
30°-40°	1000.8	14.7
40°-50°	168.1	2.5
50°-60°	163.4	2.4
60°-70°	139.8	2.0
70°-80°	93.5	1.4
80°-90°	28.0	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°	5233.4	76.7
0°-40°	6234.3	91.3
0°-60°	6565.8	96.2
0°-90°	6827.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6827.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8108	
5°	8276	791
15°	7737	2140
25°	5177	2302
35°	1586	1001
45°	217	168
55°	182	163
65°	141	140
75°	90	94
85°	24	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8108.1
2.5°	8336.0
5°	8275.8
7.5°	8294.8
10°	8280.1
12.5°	8109.1
15°	7736.6
17.5°	7236.5
20°	6636.1
22.5°	5993.5
25°	5176.8
27.5°	4140.6
30°	3346.0
32.5°	2578.9
35°	1585.9
37.5°	678.5
40°	240.6
42.5°	221.6
45°	217.4
47.5°	210.0
50°	201.5
52.5°	192.0
55°	182.5
57.5°	173.1
60°	163.6
62.5°	153.0
65°	141.4
67.5°	129.8
70°	117.1
72.5°	103.4
75°	89.7
77.5°	73.9
80°	58.0
82.5°	41.2
85°	24.3
87.5°	8.4
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)