

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: P751138

Luminaire Tested: LD4D60D010-EU4DR6055659027-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751138
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: LD4D60D010-EU4DR6055659027-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

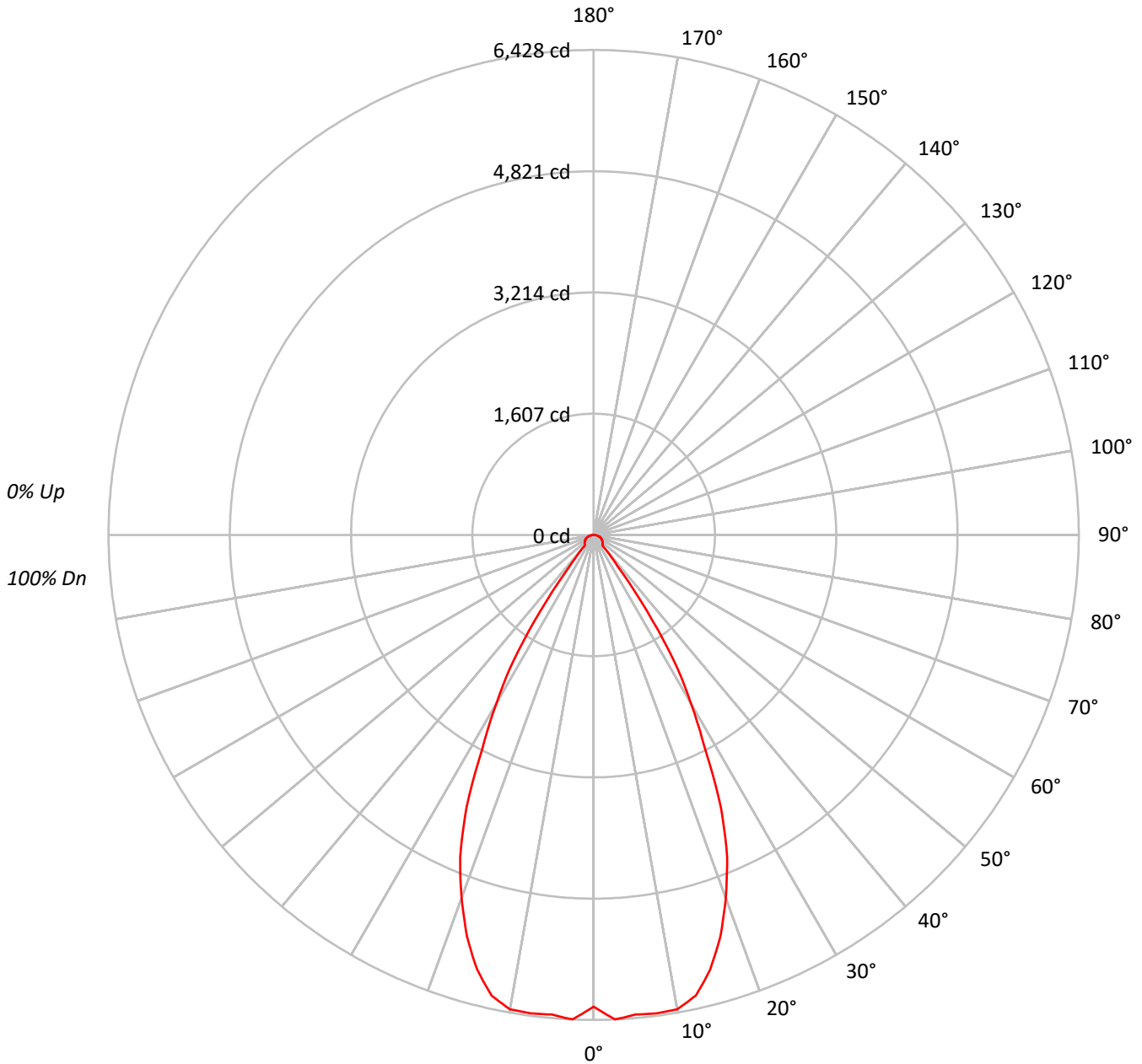
Lumens per Lamp: N/A
Luminaire Lumens: 5264.6 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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									
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°	683142
5°	699944
10°	708392
15°	674844
20°	595003
25°	481259
30°	325527
35°	163127
40°	26458
45°	25897
50°	26415
55°	26821
60°	27556
65°	28180
70°	28847
75°	29213
80°	28189
85°	23443

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 29213 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	609.9	11.6
10°-20°	1650.2	31.3
20°-30°	1775.5	33.7
30°-40°	771.8	14.7
40°-50°	129.6	2.5
50°-60°	126.0	2.4
60°-70°	107.8	2.0
70°-80°	72.1	1.4
80°-90°	21.6	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°	4035.7	76.7
0°-40°	4807.4	91.3
0°-60°	5063.1	96.2
0°-90°	5264.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5264.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6252	
5°	6382	610
15°	5966	1650
25°	3992	1776
35°	1223	772
45°	168	130
55°	141	126
65°	109	108
75°	69	72
85°	19	22
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6252.4
2.5°	6428.1
5°	6381.8
7.5°	6396.4
10°	6385.0
12.5°	6253.2
15°	5966.0
17.5°	5580.3
20°	5117.3
22.5°	4621.8
25°	3992.0
27.5°	3192.9
30°	2580.2
32.5°	1988.7
35°	1223.0
37.5°	523.2
40°	185.5
42.5°	170.9
45°	167.6
47.5°	161.9
50°	155.4
52.5°	148.1
55°	140.8
57.5°	133.4
60°	126.1
62.5°	118.0
65°	109.0
67.5°	100.1
70°	90.3
72.5°	79.7
75°	69.2
77.5°	57.0
80°	44.8
82.5°	31.7
85°	18.7
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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