

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: P751307

Luminaire Tested: LD4D60D010-EU4DR7055659030-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751307
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: LD4D60D010-EU4DR7055659030-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

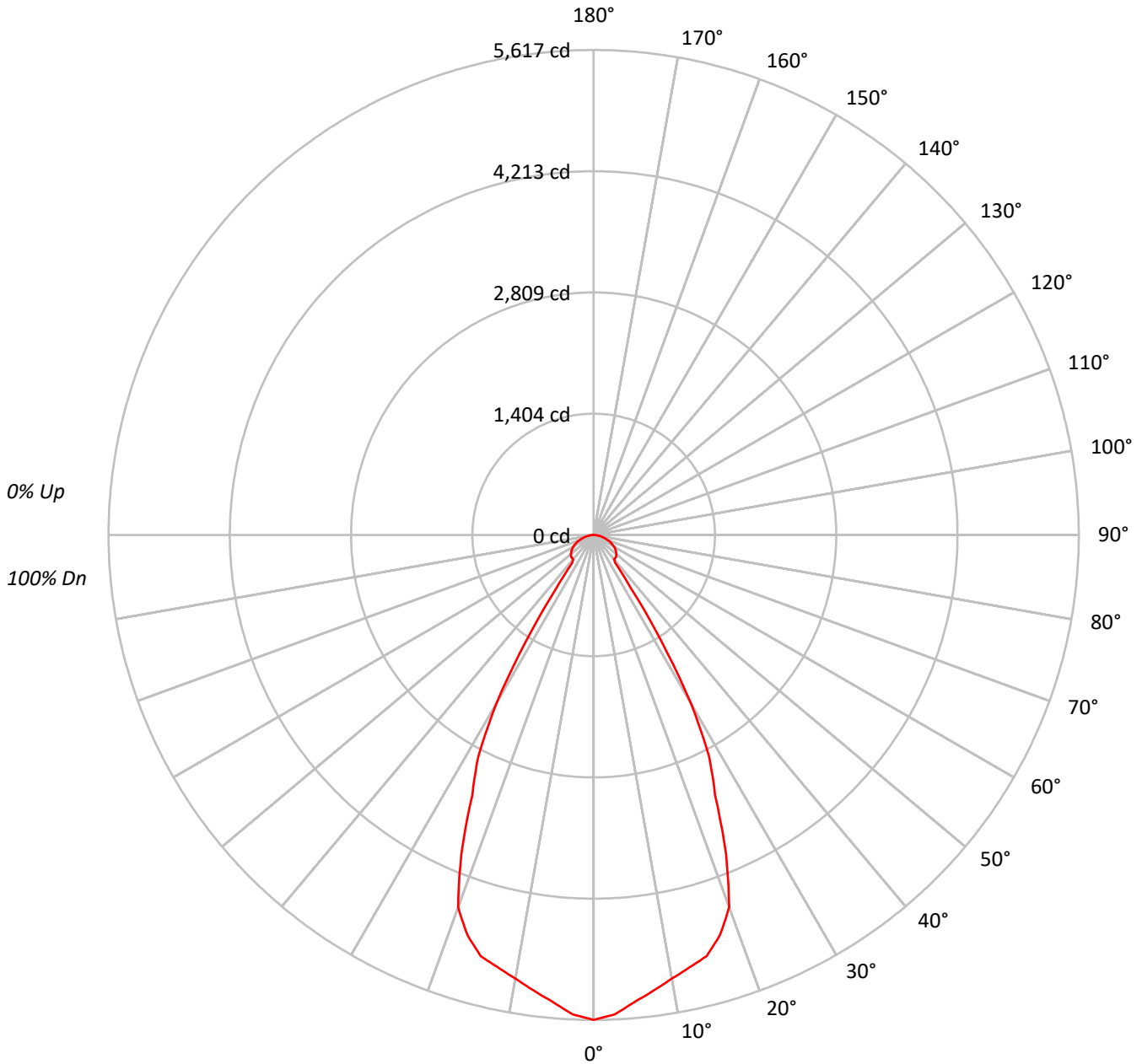
Lumens per Lamp: N/A
Luminaire Lumens: 4996.4 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	613750
5°	595519
10°	578918
15°	571322
20°	533495
25°	400788
30°	283325
35°	100357
40°	52773
45°	56214
50°	58201
55°	59300
60°	59656
65°	58403
70°	55106
75°	51080
80°	45303
85°	36731

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 59684 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	512.1	10.3
10°-20°	1404.8	28.1
20°-30°	1547.2	31.0
30°-40°	591.1	11.8
40°-50°	279.1	5.6
50°-60°	277.5	5.6
60°-70°	222.1	4.4
70°-80°	127.7	2.6
80°-90°	34.7	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°	3464.1	69.3
0°-40°	4055.2	81.2
0°-60°	4611.8	92.3
0°-90°	4996.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4996.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5617	
5°	5430	512
15°	5051	1405
25°	3324	1547
35°	752	591
45°	364	279
55°	311	277
65°	226	222
75°	121	128
85°	29	35
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5617.3
2.5°	5558.7
5°	5429.7
7.5°	5322.1
10°	5218.0
12.5°	5130.0
15°	5050.8
17.5°	4859.6
20°	4588.3
22.5°	4003.1
25°	3324.5
27.5°	2894.1
30°	2245.7
32.5°	1450.6
35°	752.4
37.5°	406.4
40°	370.0
42.5°	367.3
45°	363.8
47.5°	355.8
50°	342.4
52.5°	327.3
55°	311.3
57.5°	293.5
60°	273.0
62.5°	249.9
65°	225.9
67.5°	199.2
70°	172.5
72.5°	145.9
75°	121.0
77.5°	95.2
80°	72.0
82.5°	50.7
85°	29.3
87.5°	11.6
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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