

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: P751996

Luminaire Tested: LD4D65D010-EU4DR6555659027-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751996
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D65D010-EU4DR6555659027-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

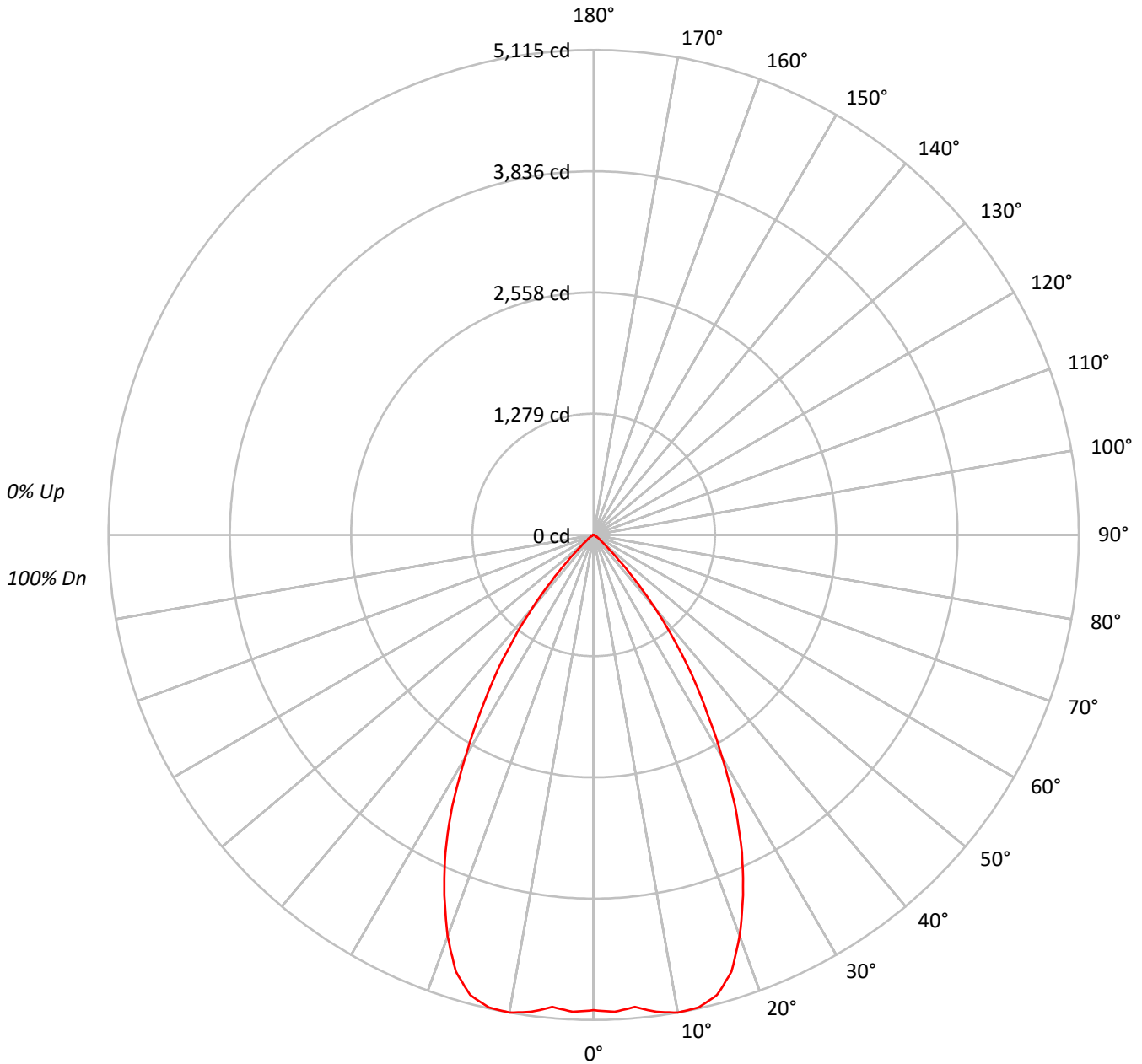
Lumens per Lamp: N/A
Luminaire Lumens: 5091.7 lumens
Efficiency: N/A
Efficacy: 69.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 72.8
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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	547746
5°	548204
10°	567501
15°	568437
20°	523344
25°	445912
30°	341360
35°	241169
40°	142359
45°	57790
50°	20941
55°	11677
60°	6687
65°	3671
70°	3865
75°	2997
80°	3146
85°	2633

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 57790 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	482.7	9.5
10°-20°	1392.5	27.3
20°-30°	1670.7	32.8
30°-40°	1122.7	22.1
40°-50°	336.1	6.6
50°-60°	59.3	1.2
60°-70°	16.8	0.3
70°-80°	8.3	0.2
80°-90°	2.6	0.1
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°	3545.9	69.6
0°-40°	4668.6	91.7
0°-60°	5064.0	99.5
0°-90°	5091.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5091.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5013	
5°	4998	483
15°	5025	1392
25°	3699	1671
35°	1808	1123
45°	374	336
55°	61	59
65°	14	17
75°	7	8
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5013.2
2.5°	5034.6
5°	4998.3
7.5°	5073.8
10°	5115.1
12.5°	5105.1
15°	5025.3
17.5°	4830.1
20°	4501.0
22.5°	4113.5
25°	3698.8
27.5°	3230.8
30°	2705.7
32.5°	2229.8
35°	1808.1
37.5°	1391.3
40°	998.1
42.5°	651.9
45°	374.0
47.5°	198.0
50°	123.2
52.5°	85.5
55°	61.3
57.5°	44.2
60°	30.6
62.5°	19.9
65°	14.2
67.5°	12.8
70°	12.1
72.5°	9.3
75°	7.1
77.5°	6.4
80°	5.0
82.5°	3.6
85°	2.1
87.5°	1.4
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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