

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: P751971

Luminaire Tested: LD4D65D010-EU4DR6555659024-4LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P751971
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D65D010-EU4DR6555659024-4LBCSSQMB
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

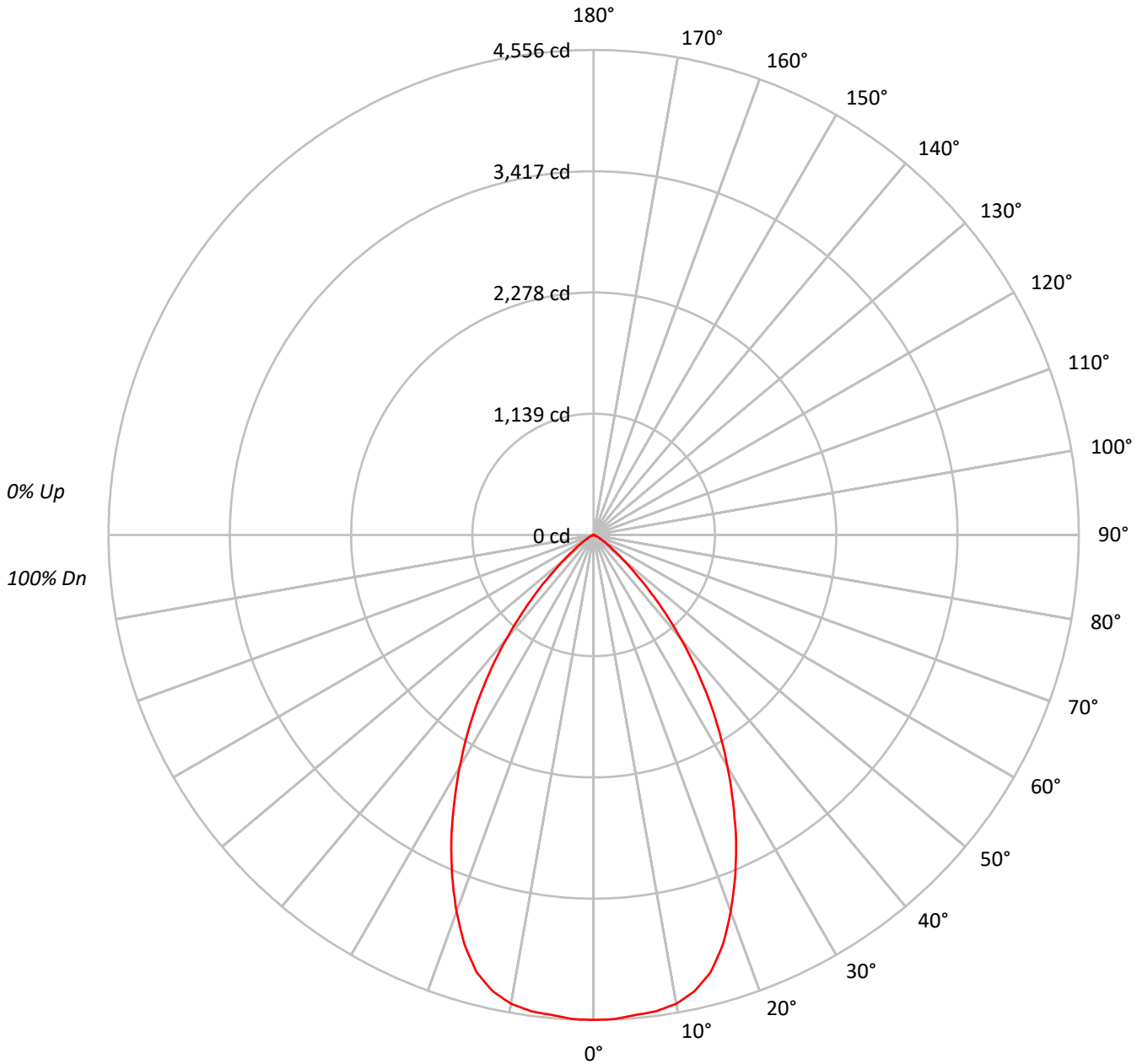
Lumens per Lamp: N/A
Luminaire Lumens: 5017.6 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

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			100																
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			93																
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85																
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			78																
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72																
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66																
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61																
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56																
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52																
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49																
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	266076
5°	265410
10°	265182
15°	257009
20°	233972
25°	203893
30°	169582
35°	134368
40°	96978
45°	61269
50°	31937
55°	16974
60°	8912
65°	4906
70°	2066
75°	2257
80°	1581
85°	1340

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 61269 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	430.8	8.6
10°-20°	1179.8	23.5
20°-30°	1442.1	28.7
30°-40°	1170.1	23.3
40°-50°	583.1	11.6
50°-60°	162.6	3.2
60°-70°	37.0	0.7
70°-80°	9.6	0.2
80°-90°	2.4	0.0
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°	3052.8	60.8
0°-40°	4222.9	84.2
0°-60°	4968.6	99.0
0°-90°	5017.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5017.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4556	
5°	4527	431
15°	4251	1180
25°	3164	1442
35°	1885	1170
45°	742	583
55°	167	163
65°	36	37
75°	10	10
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4555.8
2.5°	4552.5
5°	4527.1
7.5°	4512.3
10°	4471.5
12.5°	4388.5
15°	4250.6
17.5°	4035.0
20°	3764.5
22.5°	3472.6
25°	3164.0
27.5°	2833.9
30°	2514.6
32.5°	2199.3
35°	1884.6
37.5°	1570.6
40°	1272.0
42.5°	992.2
45°	741.8
47.5°	516.8
50°	351.5
52.5°	242.4
55°	166.7
57.5°	112.5
60°	76.3
62.5°	52.9
65°	35.5
67.5°	18.1
70°	12.1
72.5°	11.4
75°	10.0
77.5°	6.7
80°	4.7
82.5°	3.3
85°	2.0
87.5°	1.3
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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