

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: P747380

Luminaire Tested: LD4D35BD010-EU4DR7020359024-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P747380
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: LD4D35BD010-EU4DR7020359024-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

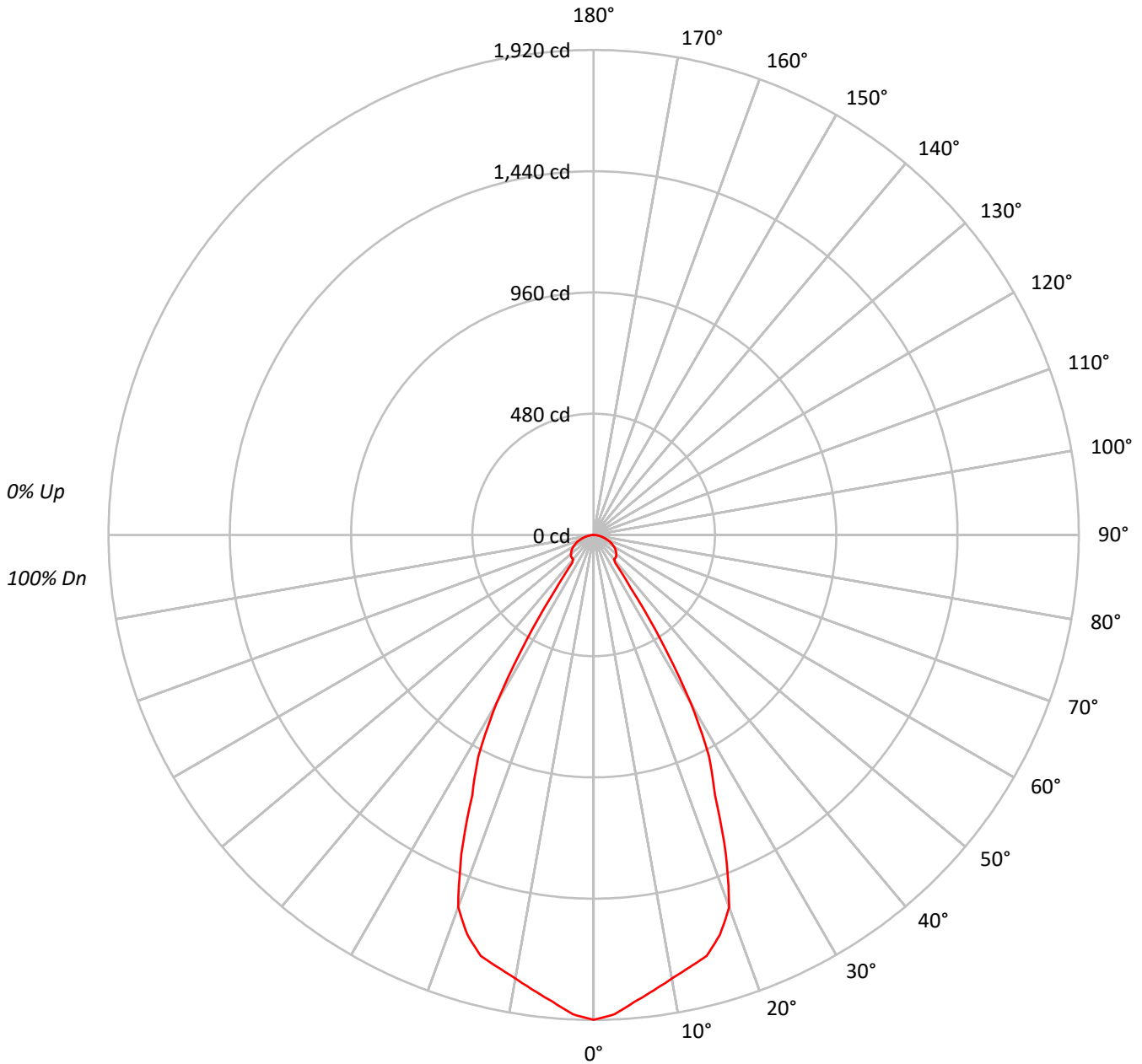
Lumens per Lamp: N/A
Luminaire Lumens: 1707.4 lumens
Efficiency: N/A
Efficacy: 55.4 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 30.8
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				20				
RC	80				70				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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			70
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			53
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			50
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	209737
5°	203508
10°	197828
15°	195237
20°	182304
25°	136964
30°	96818
35°	34293
40°	18028
45°	19207
50°	19888
55°	20268
60°	20388
65°	19959
70°	18848
75°	17435
80°	15479
85°	12536

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 20396 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.0	10.3
10°-20°	480.0	28.1
20°-30°	528.7	31.0
30°-40°	202.0	11.8
40°-50°	95.4	5.6
50°-60°	94.8	5.6
60°-70°	75.9	4.4
70°-80°	43.6	2.6
80°-90°	11.9	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°	1183.8	69.3
0°-40°	1385.8	81.2
0°-60°	1576.0	92.3
0°-90°	1707.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1707.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1920	
5°	1856	175
15°	1726	480
25°	1136	529
35°	257	202
45°	124	95
55°	106	95
65°	77	76
75°	41	44
85°	10	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1919.6
2.5°	1899.5
5°	1855.5
7.5°	1818.7
10°	1783.1
12.5°	1753.0
15°	1726.0
17.5°	1660.6
20°	1567.9
22.5°	1368.0
25°	1136.1
27.5°	989.0
30°	767.4
32.5°	495.7
35°	257.1
37.5°	138.9
40°	126.4
42.5°	125.5
45°	124.3
47.5°	121.6
50°	117.0
52.5°	111.8
55°	106.4
57.5°	100.3
60°	93.3
62.5°	85.4
65°	77.2
67.5°	68.1
70°	59.0
72.5°	49.8
75°	41.3
77.5°	32.5
80°	24.6
82.5°	17.3
85°	10.0
87.5°	4.0
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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