

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: P747224

Luminaire Tested: LD4D35BD010-EU4DR6020359024-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P747224
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: LD4D35BD010-EU4DR6020359024-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2191.3 lumens
Efficiency: N/A
Efficacy: 71.1 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

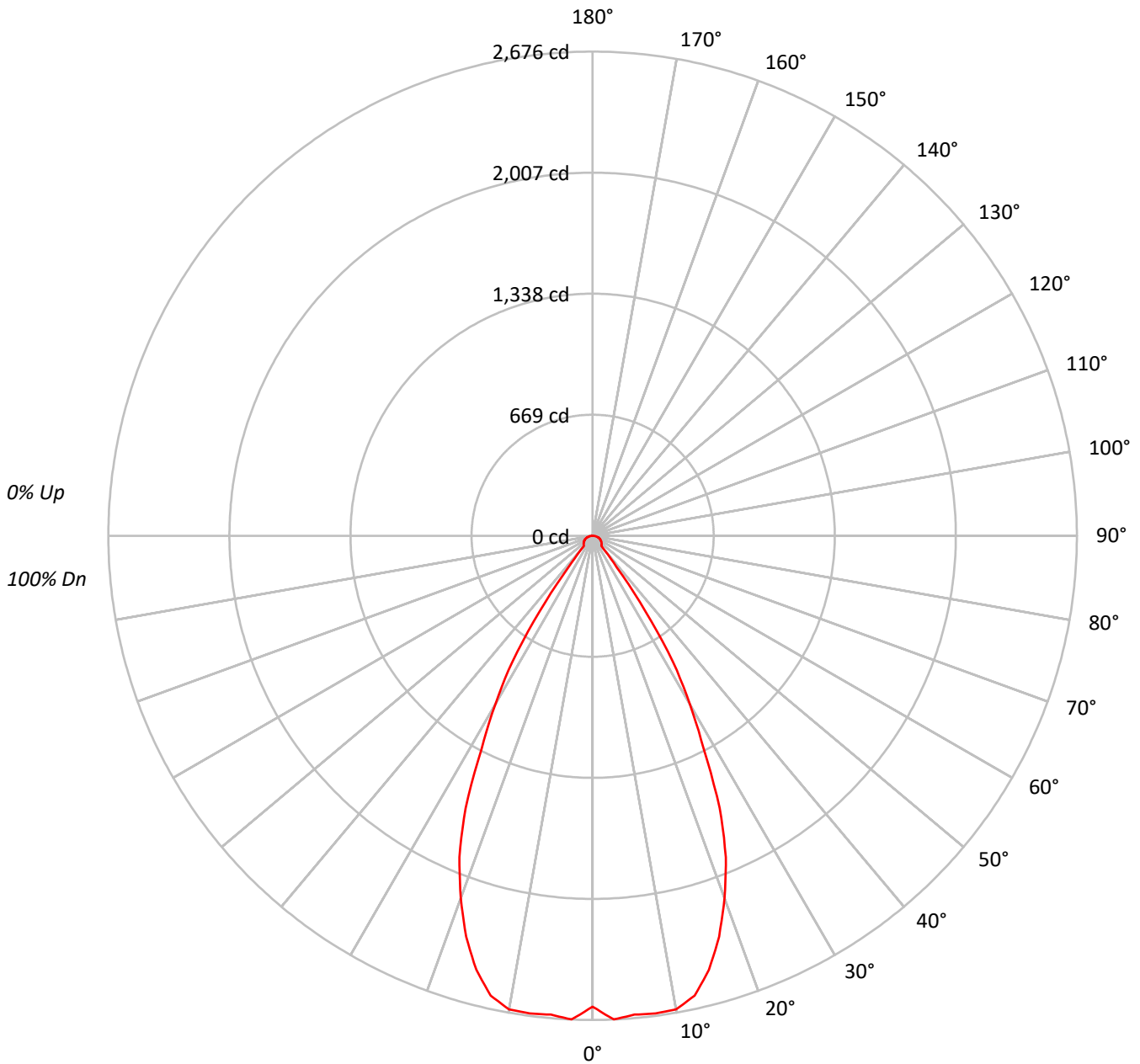
Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93				93															
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86				86															
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80				80															
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75				75															
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70				70															
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66				66															
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62				62															
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59				59															
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55				55															
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53				53															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	284340
5°	291338
10°	294851
15°	280887
20°	247661
25°	200316
30°	135500
35°	67892
40°	11011
45°	10785
50°	10998
55°	11163
60°	11472
65°	11737
70°	12012
75°	12158
80°	11703
85°	9778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 12158 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.9	11.6
10°-20°	686.9	31.3
20°-30°	739.0	33.7
30°-40°	321.2	14.7
40°-50°	54.0	2.5
50°-60°	52.4	2.4
60°-70°	44.9	2.0
70°-80°	30.0	1.4
80°-90°	9.0	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°	1679.8	76.7
0°-40°	2001.0	91.3
0°-60°	2107.4	96.2
0°-90°	2191.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2191.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2602	
5°	2656	254
15°	2483	687
25°	1662	739
35°	509	321
45°	70	54
55°	59	52
65°	45	45
75°	29	30
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2602.4
2.5°	2675.6
5°	2656.3
7.5°	2662.4
10°	2657.6
12.5°	2602.8
15°	2483.2
17.5°	2322.7
20°	2130.0
22.5°	1923.7
25°	1661.6
27.5°	1329.0
30°	1074.0
32.5°	827.7
35°	509.0
37.5°	217.8
40°	77.2
42.5°	71.1
45°	69.8
47.5°	67.4
50°	64.7
52.5°	61.6
55°	58.6
57.5°	55.5
60°	52.5
62.5°	49.1
65°	45.4
67.5°	41.7
70°	37.6
72.5°	33.2
75°	28.8
77.5°	23.7
80°	18.6
82.5°	13.2
85°	7.8
87.5°	2.7
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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