

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: P747289

Luminaire Tested: LD4D35BD010-EU4DR6020359050-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P747289
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-EU4DR6020359050-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

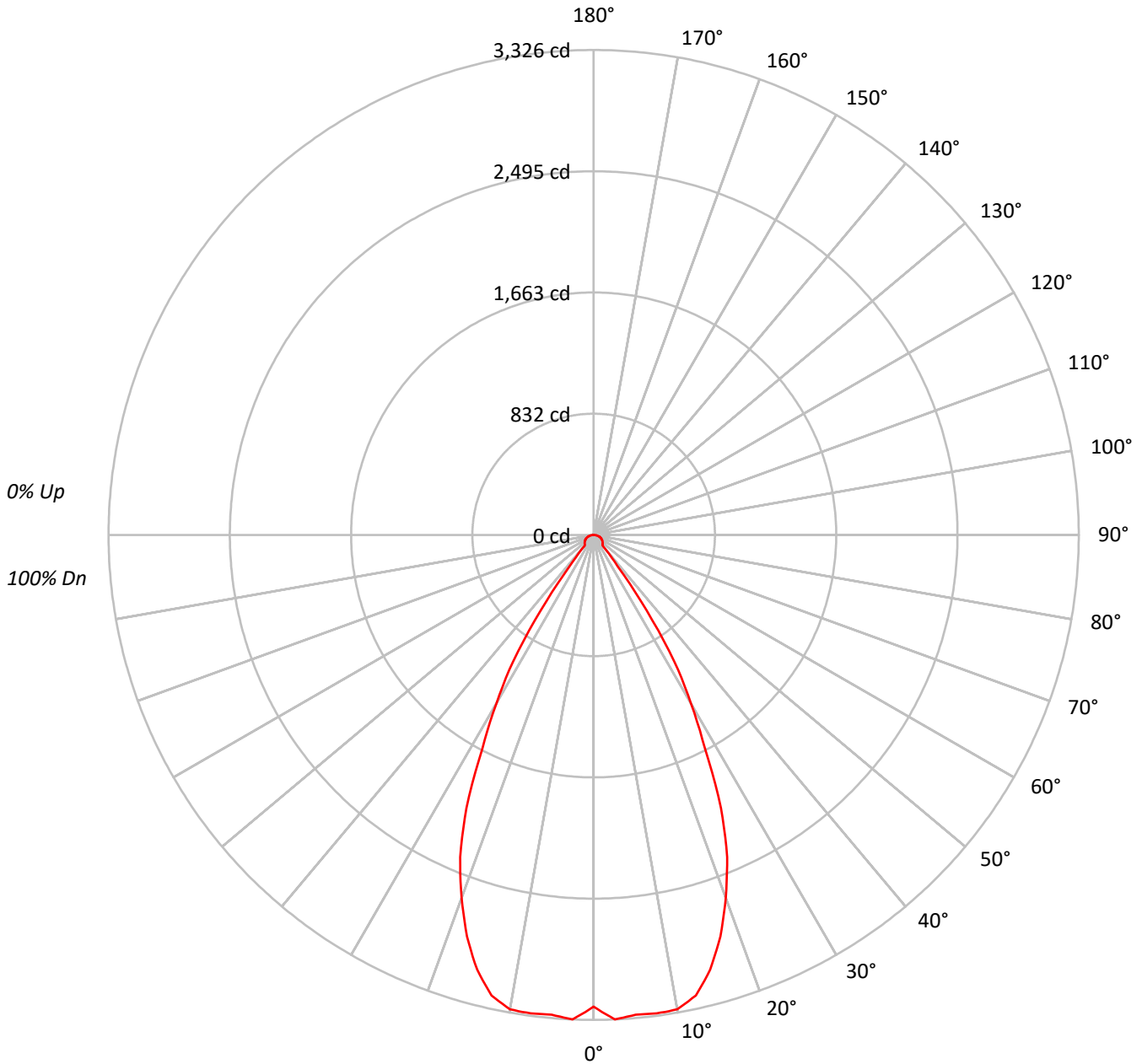
Lumens per Lamp: N/A
Luminaire Lumens: 2724.4 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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																			
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	353513
5°	362212
10°	366578
15°	349220
20°	307902
25°	249044
30°	168453
35°	84418
40°	13692
45°	13397
50°	13666
55°	13868
60°	14269
65°	14581
70°	14919
75°	15113
80°	14598
85°	12160

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 15113 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.6	11.6
10°-20°	854.0	31.3
20°-30°	918.8	33.7
30°-40°	399.4	14.7
40°-50°	67.1	2.5
50°-60°	65.2	2.4
60°-70°	55.8	2.0
70°-80°	37.3	1.4
80°-90°	11.2	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°	2088.4	76.7
0°-40°	2487.8	91.3
0°-60°	2620.0	96.2
0°-90°	2724.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2724.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3236	
5°	3302	316
15°	3087	854
25°	2066	919
35°	633	399
45°	87	67
55°	73	65
65°	56	56
75°	36	37
85°	10	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3235.5
2.5°	3326.5
5°	3302.5
7.5°	3310.0
10°	3304.1
12.5°	3235.9
15°	3087.3
17.5°	2887.7
20°	2648.1
22.5°	2391.7
25°	2065.8
27.5°	1652.3
30°	1335.2
32.5°	1029.1
35°	632.9
37.5°	270.7
40°	96.0
42.5°	88.4
45°	86.7
47.5°	83.8
50°	80.4
52.5°	76.6
55°	72.8
57.5°	69.1
60°	65.3
62.5°	61.1
65°	56.4
67.5°	51.8
70°	46.7
72.5°	41.3
75°	35.8
77.5°	29.5
80°	23.2
82.5°	16.4
85°	9.7
87.5°	3.4
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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