

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: P747263

Luminaire Tested: LD4D35BD010-EU4DR6020359035-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P747263
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-EU4DR6020359035-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

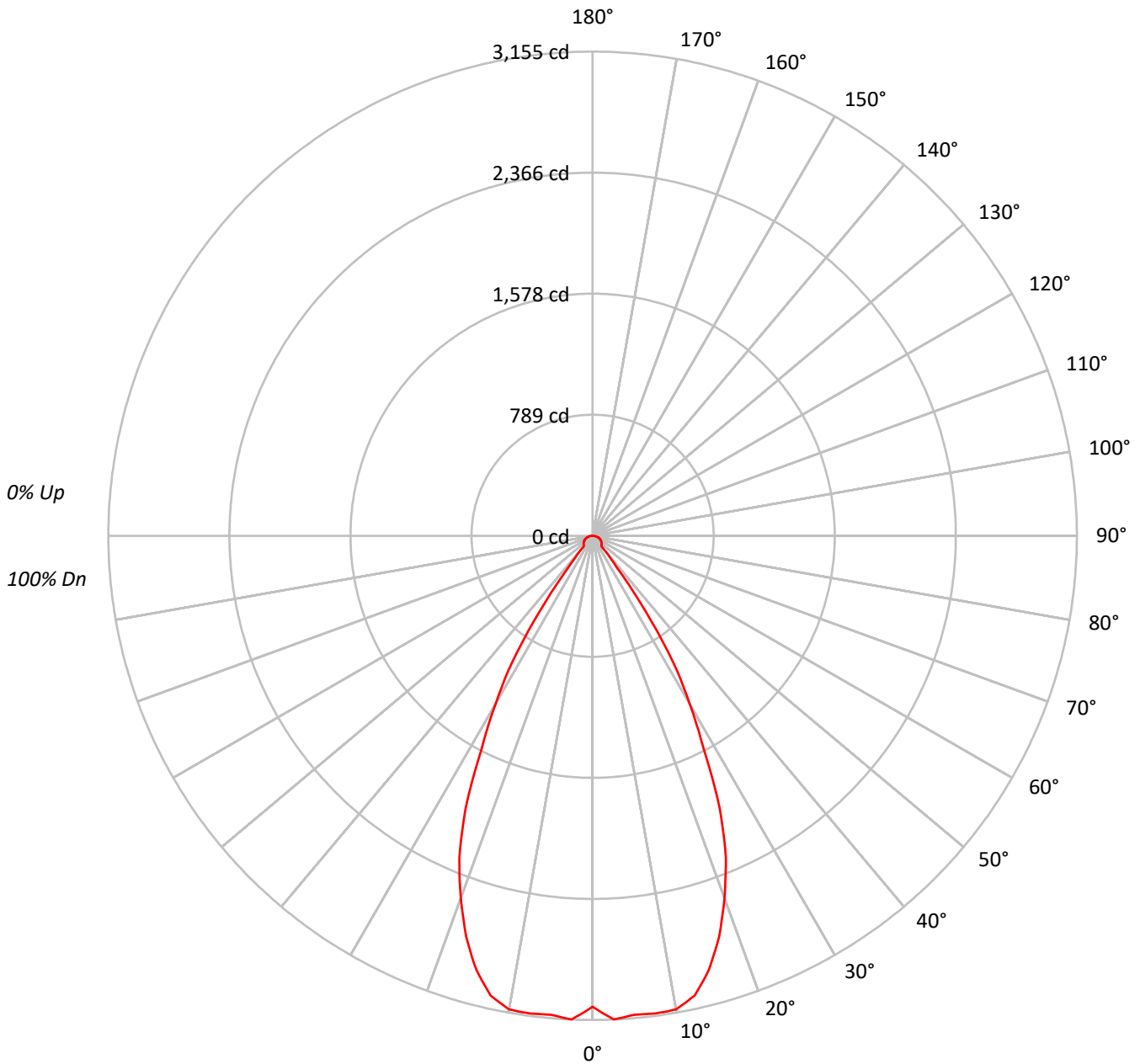
Lumens per Lamp: N/A
Luminaire Lumens: 2584.2 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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				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
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°	335332
5°	343578
10°	347728
15°	331257
20°	292066
25°	236229
30°	159786
35°	80070
40°	12994
45°	12717
50°	12969
55°	13163
60°	13526
65°	13832
70°	14152
75°	14311
80°	13843
85°	11533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 14311 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.4	11.6
10°-20°	810.0	31.3
20°-30°	871.5	33.7
30°-40°	378.8	14.7
40°-50°	63.6	2.5
50°-60°	61.9	2.4
60°-70°	52.9	2.0
70°-80°	35.4	1.4
80°-90°	10.6	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°	1981.0	76.7
0°-40°	2359.8	91.3
0°-60°	2485.3	96.2
0°-90°	2584.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2584.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3069	
5°	3133	299
15°	2928	810
25°	1960	872
35°	600	379
45°	82	64
55°	69	62
65°	54	53
75°	34	35
85°	9	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3069.1
2.5°	3155.3
5°	3132.6
7.5°	3139.8
10°	3134.2
12.5°	3069.5
15°	2928.5
17.5°	2739.2
20°	2511.9
22.5°	2268.7
25°	1959.5
27.5°	1567.3
30°	1266.5
32.5°	976.2
35°	600.3
37.5°	256.8
40°	91.1
42.5°	83.9
45°	82.3
47.5°	79.5
50°	76.3
52.5°	72.7
55°	69.1
57.5°	65.5
60°	61.9
62.5°	57.9
65°	53.5
67.5°	49.1
70°	44.3
72.5°	39.1
75°	33.9
77.5°	28.0
80°	22.0
82.5°	15.6
85°	9.2
87.5°	3.2
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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