

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: P746977

Luminaire Tested: LD4D35BD010-EU4DR4020359050-4LBSQW1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P746977
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D35BD010-EU4DR4020359050-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

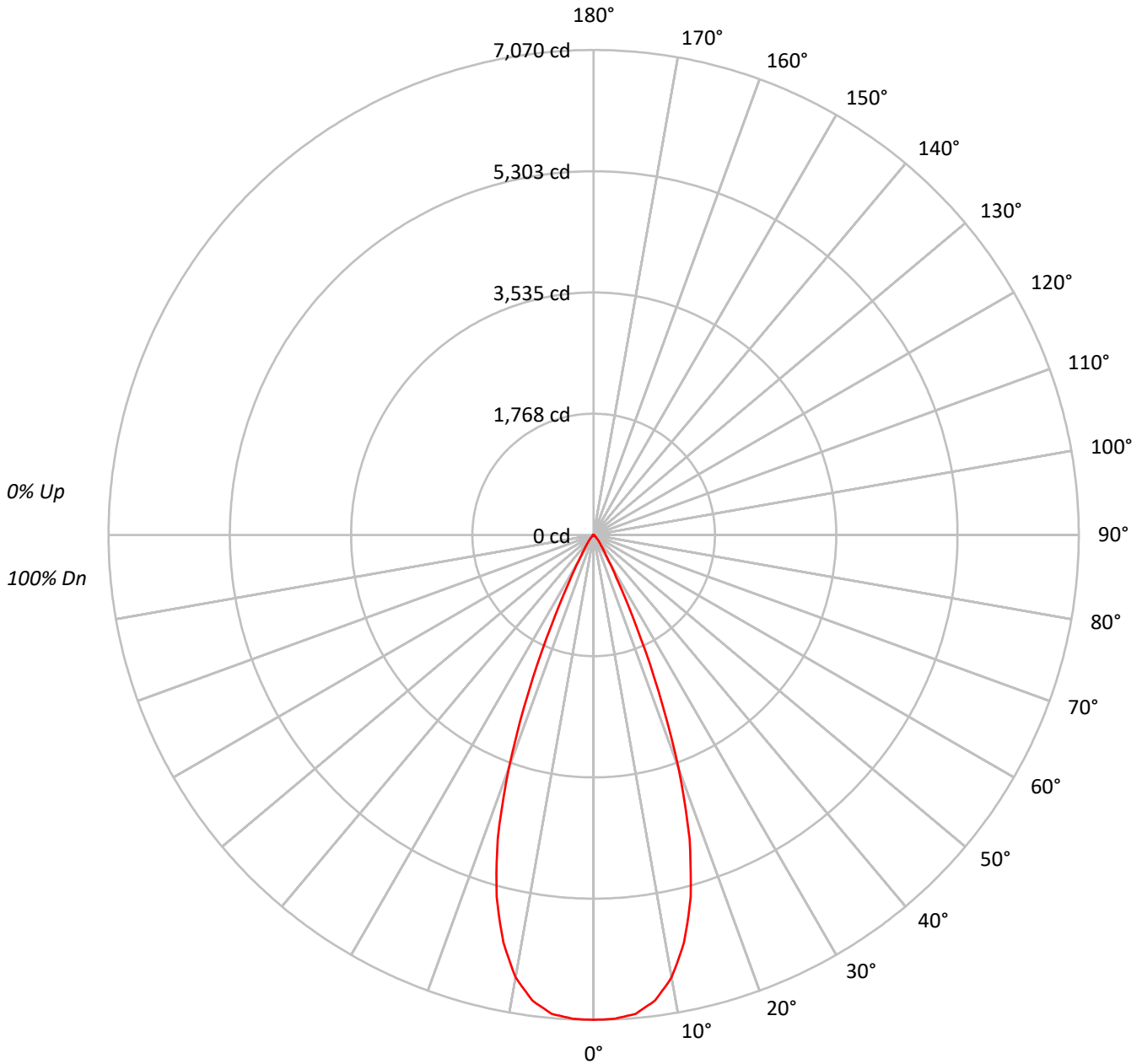
Lumens per Lamp: N/A
Luminaire Lumens: 3036.3 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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									20
RC	80									50									30									10									0									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96											96																	
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92											92																	
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88											88																	
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84											84																	
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81											81																	
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77											77																	
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74											74																	
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72											72																	
9	86	79	74	71	85	78	74	71	77	73	71	77	73	70	76	72	70	69											69																	
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67											67																	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	772419
5°	768668
10°	726554
15°	617665
20°	420989
25°	175650
30°	55234
35°	25676
40°	14192
45°	6505
50°	3162
55°	1733
60°	896
65°	310
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6505 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	654.4	21.6
10°-20°	1466.0	48.3
20°-30°	733.9	24.2
30°-40°	134.5	4.4
40°-50°	37.1	1.2
50°-60°	8.7	0.3
60°-70°	1.7	0.1
70°-80°	0.1	0.0
80°-90°	0.0	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°	2854.3	94.0
0°-40°	2988.8	98.4
0°-60°	3034.6	99.9
0°-90°	3036.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3036.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7070	
5°	7008	654
15°	5460	1466
25°	1457	734
35°	192	135
45°	42	37
55°	9	9
65°	1	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7069.5
2.5°	7059.2
5°	7008.4
7.5°	6846.5
10°	6548.7
12.5°	6084.5
15°	5460.5
17.5°	4649.0
20°	3620.7
22.5°	2468.4
25°	1457.0
27.5°	770.2
30°	437.8
32.5°	282.9
35°	192.5
37.5°	137.5
40°	99.5
42.5°	68.1
45°	42.1
47.5°	26.8
50°	18.6
52.5°	13.2
55°	9.1
57.5°	5.8
60°	4.1
62.5°	2.5
65°	1.2
67.5°	0.8
70°	0.4
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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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(END OF REPORT)