

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P748044

Luminaire Tested: LD4D40BD010-EU4DR6040509035-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P748044
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: LD4D40BD010-EU4DR6040509035-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

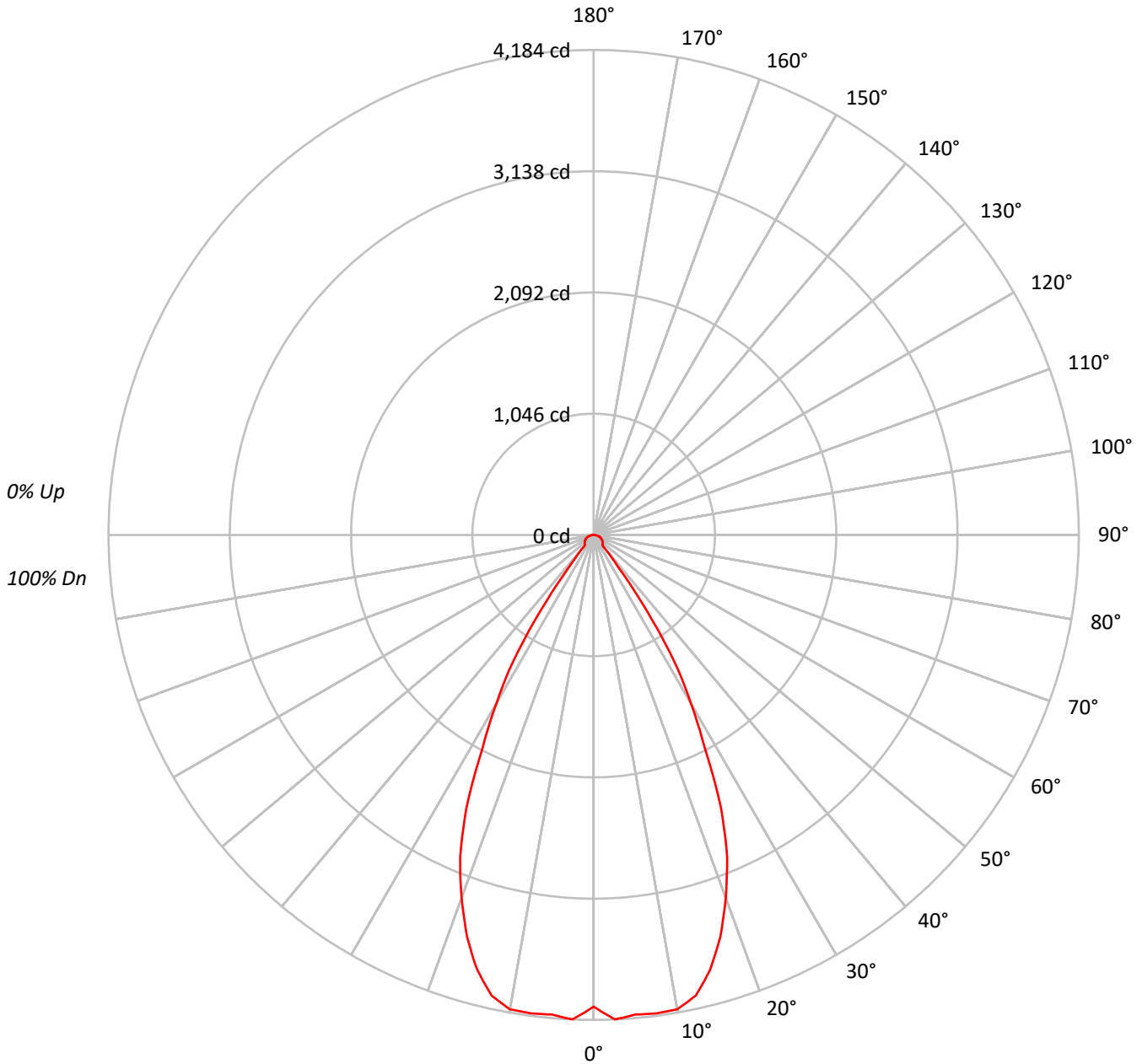
Lumens per Lamp: N/A
Luminaire Lumens: 3426.9 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 35.2
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°	444680
5°	455614
10°	461115
15°	439271
20°	387305
25°	313265
30°	211892
35°	106186
40°	17230
45°	16858
50°	17202
55°	17449
60°	17941
65°	18356
70°	18784
75°	18997
80°	18310
85°	15294

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 18997 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	397.0	11.6
10°-20°	1074.2	31.3
20°-30°	1155.7	33.7
30°-40°	502.4	14.7
40°-50°	84.4	2.5
50°-60°	82.1	2.4
60°-70°	70.2	2.0
70°-80°	46.9	1.4
80°-90°	14.0	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°	2626.9	76.7
0°-40°	3129.3	91.3
0°-60°	3295.7	96.2
0°-90°	3426.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3426.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4070	
5°	4154	397
15°	3883	1074
25°	2598	1156
35°	796	502
45°	109	84
55°	92	82
65°	71	70
75°	45	47
85°	12	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4069.9
2.5°	4184.3
5°	4154.1
7.5°	4163.6
10°	4156.2
12.5°	4070.4
15°	3883.4
17.5°	3632.4
20°	3331.0
22.5°	3008.4
25°	2598.5
27.5°	2078.4
30°	1679.5
32.5°	1294.5
35°	796.1
37.5°	340.6
40°	120.8
42.5°	111.2
45°	109.1
47.5°	105.4
50°	101.2
52.5°	96.4
55°	91.6
57.5°	86.9
60°	82.1
62.5°	76.8
65°	71.0
67.5°	65.1
70°	58.8
72.5°	51.9
75°	45.0
77.5°	37.1
80°	29.1
82.5°	20.7
85°	12.2
87.5°	4.2
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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