

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: P748836

Luminaire Tested: LD4D45BD010-EU4DR6040509040-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P748836
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: LD4D45BD010-EU4DR6040509040-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

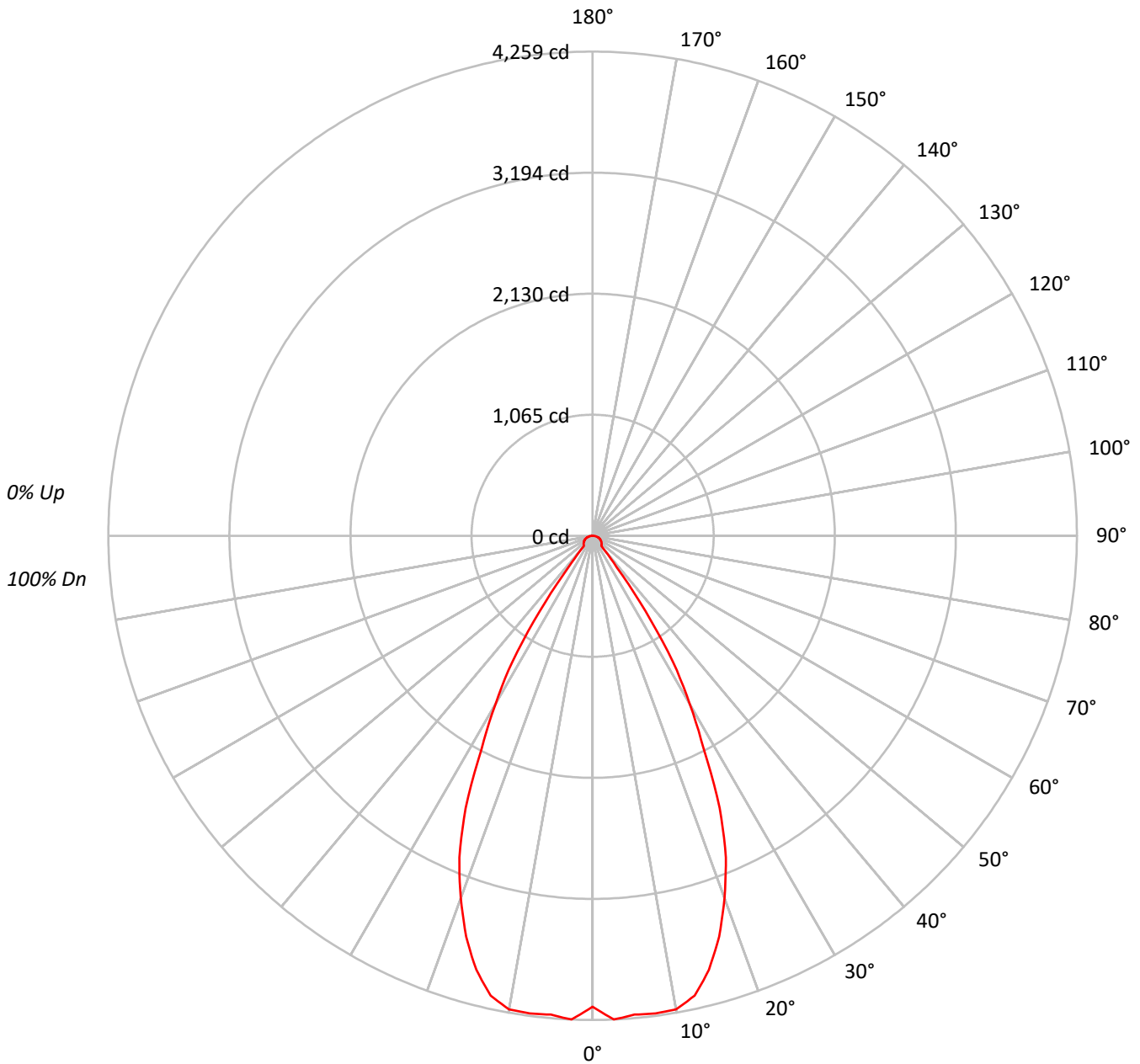
Lumens per Lamp: N/A
Luminaire Lumens: 3488.1 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 38.7
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	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°	452624
5°	463752
10°	469358
15°	447121
20°	394223
25°	318858
30°	215676
35°	108080
40°	17529
45°	17167
50°	17508
55°	17773
60°	18268
65°	18666
70°	19104
75°	19335
80°	18687
85°	15545

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 19335 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.1	11.6
10°-20°	1093.4	31.3
20°-30°	1176.4	33.7
30°-40°	511.3	14.7
40°-50°	85.9	2.5
50°-60°	83.5	2.4
60°-70°	71.4	2.0
70°-80°	47.8	1.4
80°-90°	14.3	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°	2673.9	76.7
0°-40°	3185.2	91.3
0°-60°	3354.6	96.2
0°-90°	3488.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3488.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4143	
5°	4228	404
15°	3953	1093
25°	2645	1176
35°	810	511
45°	111	86
55°	93	84
65°	72	71
75°	46	48
85°	12	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4142.6
2.5°	4259.0
5°	4228.3
7.5°	4238.0
10°	4230.5
12.5°	4143.1
15°	3952.8
17.5°	3697.3
20°	3390.5
22.5°	3062.2
25°	2644.9
27.5°	2115.5
30°	1709.5
32.5°	1317.6
35°	810.3
37.5°	346.7
40°	122.9
42.5°	113.2
45°	111.1
47.5°	107.3
50°	103.0
52.5°	98.1
55°	93.3
57.5°	88.4
60°	83.6
62.5°	78.2
65°	72.2
67.5°	66.3
70°	59.8
72.5°	52.8
75°	45.8
77.5°	37.7
80°	29.7
82.5°	21.0
85°	12.4
87.5°	4.3
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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(END OF REPORT)