

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: P753503

Luminaire Tested: LD4D75BD010-EU4DR6070959035-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753503
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: LD4D75BD010-EU4DR6070959035-4LBSQW1B
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

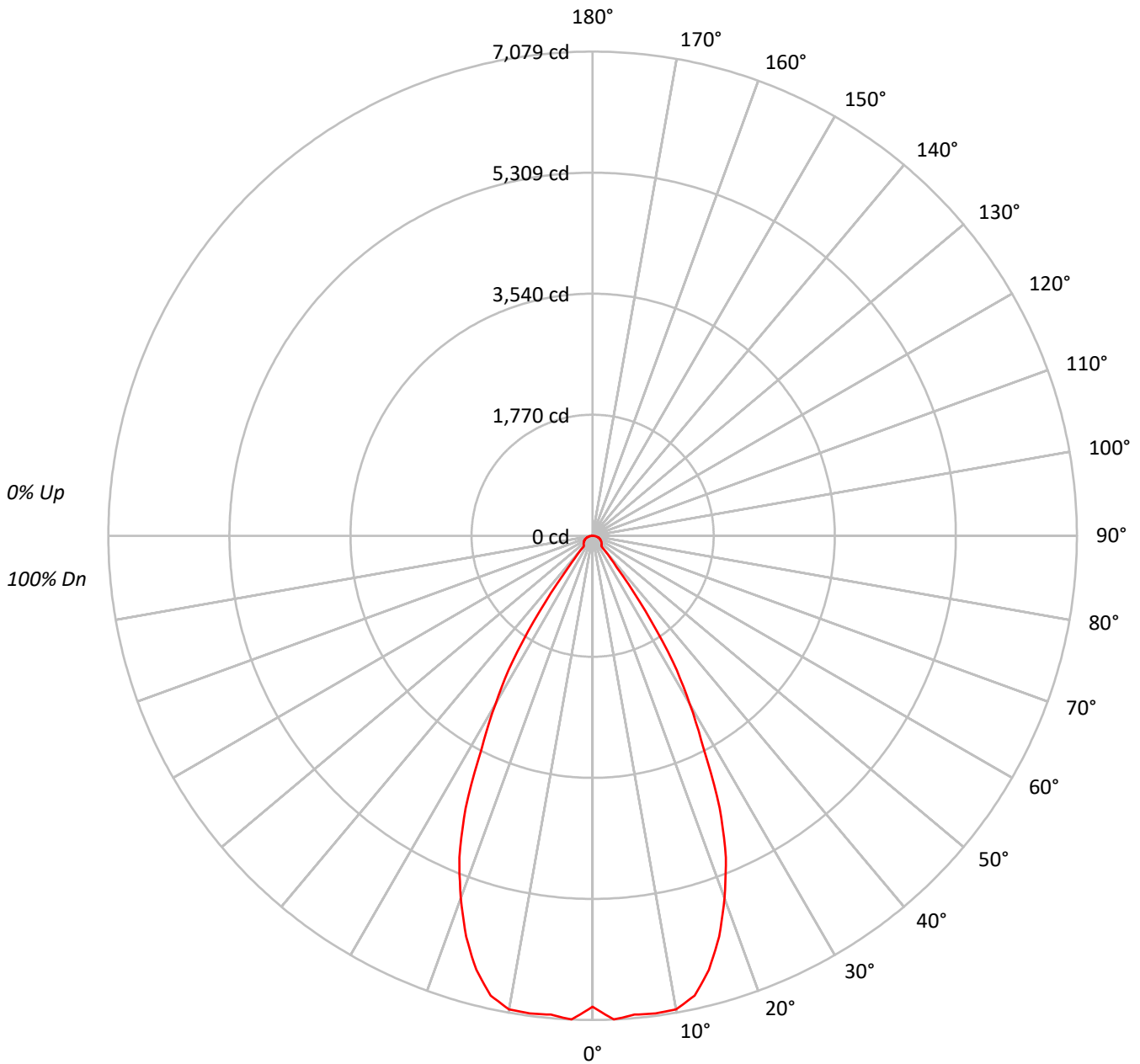
Lumens per Lamp: N/A
Luminaire Lumens: 5797.4 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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°	752282
5°	770774
10°	780085
15°	743132
20°	655221
25°	529964
30°	358468
35°	179627
40°	29139
45°	28524
50°	29084
55°	29526
60°	30353
65°	31050
70°	31786
75°	32168
80°	31020
85°	25825

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 32168 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	671.7	11.6
10°-20°	1817.2	31.3
20°-30°	1955.2	33.7
30°-40°	849.9	14.7
40°-50°	142.7	2.5
50°-60°	138.8	2.4
60°-70°	118.7	2.0
70°-80°	79.4	1.4
80°-90°	23.8	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°	4444.1	76.7
0°-40°	5294.0	91.3
0°-60°	5575.5	96.2
0°-90°	5797.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5797.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6885	
5°	7028	672
15°	6570	1817
25°	4396	1955
35°	1347	850
45°	185	143
55°	155	139
65°	120	119
75°	76	79
85°	21	24
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6885.2
2.5°	7078.7
5°	7027.6
7.5°	7043.8
10°	7031.2
12.5°	6886.0
15°	6569.7
17.5°	6145.0
20°	5635.2
22.5°	5089.5
25°	4396.0
27.5°	3516.1
30°	2841.3
32.5°	2189.9
35°	1346.7
37.5°	576.2
40°	204.3
42.5°	188.2
45°	184.6
47.5°	178.3
50°	171.1
52.5°	163.1
55°	155.0
57.5°	147.0
60°	138.9
62.5°	129.9
65°	120.1
67.5°	110.2
70°	99.5
72.5°	87.8
75°	76.2
77.5°	62.7
80°	49.3
82.5°	34.9
85°	20.6
87.5°	7.2
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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(END OF REPORT)