

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: P755063

Luminaire Tested: LD4D85BD010-EU4DR6070959035-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P755063
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: LD4D85BD010-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

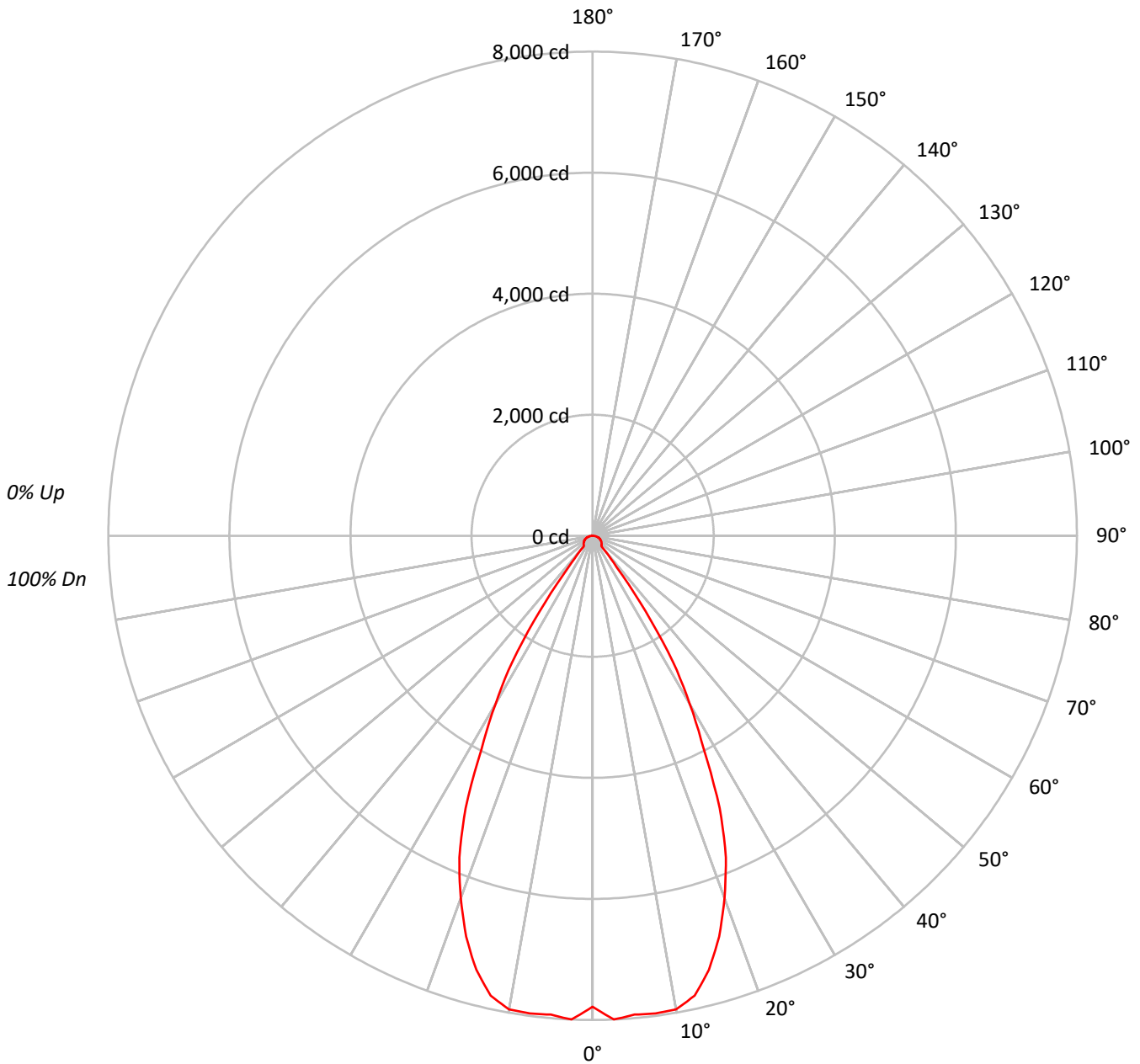
Lumens per Lamp: N/A
Luminaire Lumens: 6551.8 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 87.7
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									
RC	80									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°	850158
5°	871064
10°	881590
15°	839834
20°	740472
25°	598910
30°	405111
35°	203009
40°	32933
45°	32232
50°	32874
55°	33374
60°	34308
65°	35083
70°	35907
75°	36347
80°	35047
85°	29209

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 36347 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	759.1	11.6
10°-20°	2053.7	31.3
20°-30°	2209.6	33.7
30°-40°	960.5	14.7
40°-50°	161.3	2.5
50°-60°	156.9	2.4
60°-70°	134.2	2.0
70°-80°	89.8	1.4
80°-90°	26.9	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°	5022.3	76.7
0°-40°	5982.8	91.3
0°-60°	6301.0	96.2
0°-90°	6551.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6551.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7781	
5°	7942	759
15°	7425	2054
25°	4968	2210
35°	1522	960
45°	209	161
55°	175	157
65°	136	134
75°	86	90
85°	23	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7781.0
2.5°	7999.7
5°	7942.0
7.5°	7960.3
10°	7946.1
12.5°	7782.0
15°	7424.6
17.5°	6944.6
20°	6368.4
22.5°	5751.7
25°	4967.9
27.5°	3973.5
30°	3211.0
32.5°	2474.9
35°	1522.0
37.5°	651.1
40°	230.9
42.5°	212.7
45°	208.6
47.5°	201.5
50°	193.4
52.5°	184.3
55°	175.2
57.5°	166.1
60°	157.0
62.5°	146.8
65°	135.7
67.5°	124.6
70°	112.4
72.5°	99.2
75°	86.1
77.5°	70.9
80°	55.7
82.5°	39.5
85°	23.3
87.5°	8.1
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)