

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: P750345

Luminaire Tested: LD4D55D010-EU4DR6055659024-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P750345
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: LD4D55D010-EU4DR6055659024-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

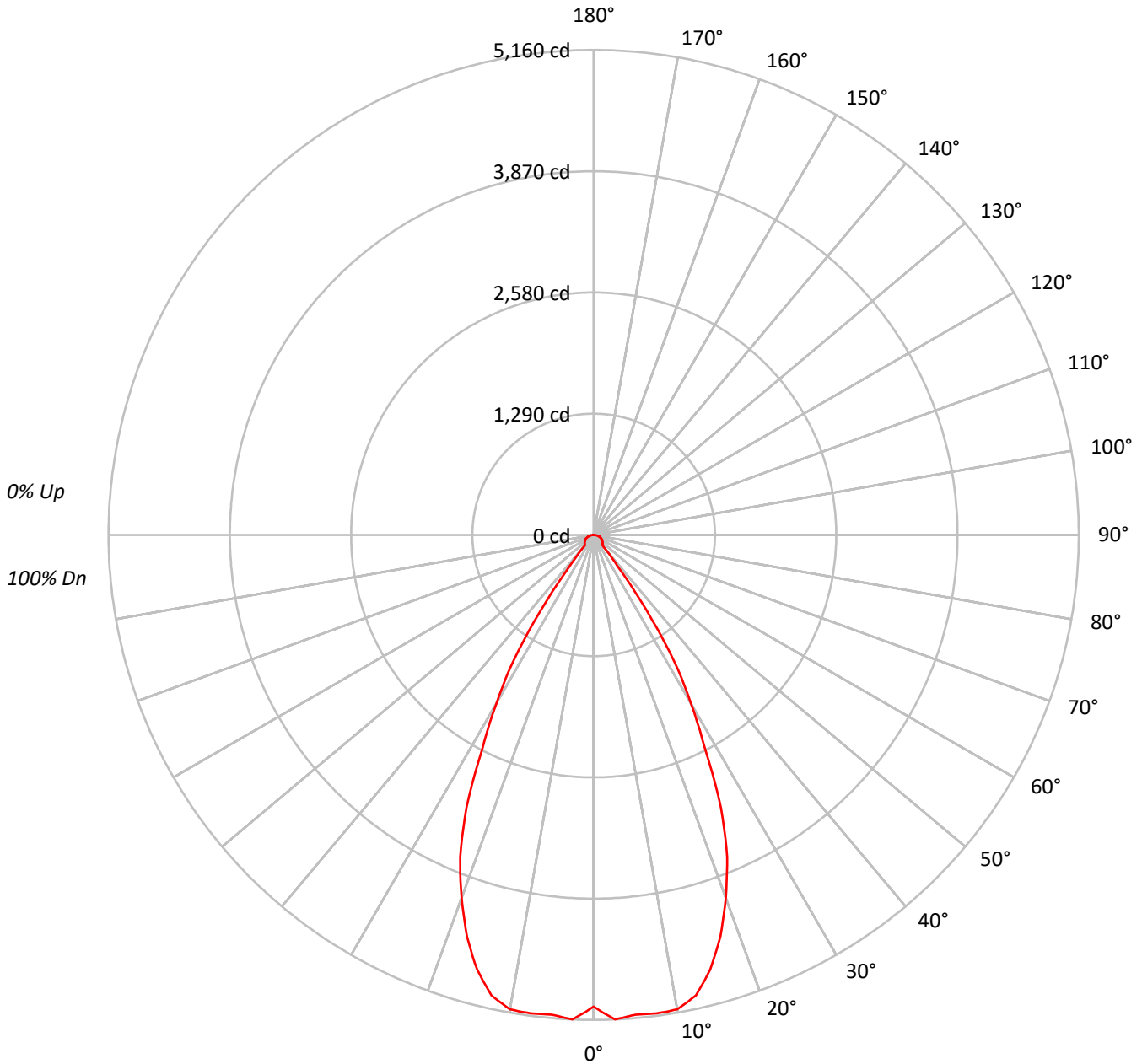
Lumens per Lamp: N/A
Luminaire Lumens: 4226.3 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 58.2
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									
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°	548423
5°	561903
10°	568688
15°	541753
20°	477661
25°	386346
30°	261335
35°	130955
40°	21238
45°	20798
50°	21213
55°	21525
60°	22114
65°	22622
70°	23161
75°	23429
80°	22589
85°	18804

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 23429 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	489.7	11.6
10°-20°	1324.8	31.3
20°-30°	1425.4	33.7
30°-40°	619.6	14.7
40°-50°	104.1	2.5
50°-60°	101.2	2.4
60°-70°	86.5	2.0
70°-80°	57.9	1.4
80°-90°	17.3	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°	3239.8	76.7
0°-40°	3859.4	91.3
0°-60°	4064.6	96.2
0°-90°	4226.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4226.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5019	
5°	5123	490
15°	4789	1325
25°	3205	1425
35°	982	620
45°	135	104
55°	113	101
65°	88	87
75°	56	58
85°	15	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5019.4
2.5°	5160.5
5°	5123.2
7.5°	5135.0
10°	5125.8
12.5°	5020.0
15°	4789.4
17.5°	4479.8
20°	4108.1
22.5°	3710.3
25°	3204.7
27.5°	2563.2
30°	2071.4
32.5°	1596.5
35°	981.8
37.5°	420.0
40°	148.9
42.5°	137.2
45°	134.6
47.5°	130.0
50°	124.8
52.5°	118.9
55°	113.0
57.5°	107.1
60°	101.2
62.5°	94.7
65°	87.5
67.5°	80.3
70°	72.5
72.5°	64.0
75°	55.5
77.5°	45.7
80°	35.9
82.5°	25.5
85°	15.0
87.5°	5.2
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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