

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: P751345

Luminaire Tested: LD4D60D010-EU4DR7055659050-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751345
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR7055659050-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3996.6 lumens
Efficiency: N/A
Efficacy: 62.1 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

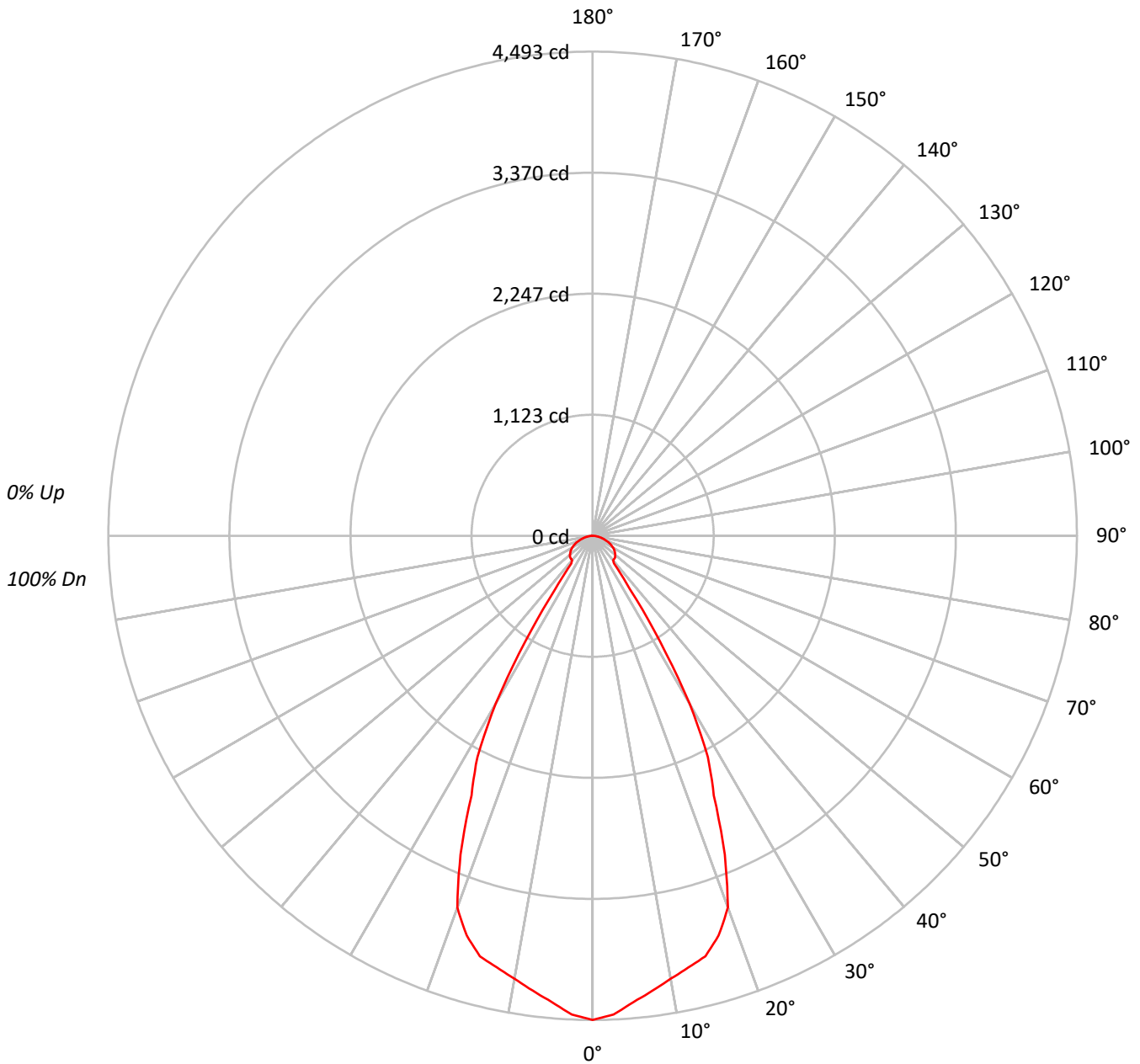
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	490941
5°	476354
10°	463079
15°	456996
20°	426745
25°	320594
30°	226627
35°	80283
40°	42218
45°	44965
50°	46557
55°	47432
60°	47725
65°	46717
70°	44085
75°	40864
80°	36242
85°	29460

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 47747 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.7	10.3
10°-20°	1123.7	28.1
20°-30°	1237.6	31.0
30°-40°	472.8	11.8
40°-50°	223.3	5.6
50°-60°	222.0	5.6
60°-70°	177.7	4.4
70°-80°	102.1	2.6
80°-90°	27.8	0.7
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°	2770.9	69.3
0°-40°	3243.8	81.2
0°-60°	3689.0	92.3
0°-90°	3996.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3996.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4493	
5°	4343	410
15°	4040	1124
25°	2659	1238
35°	602	473
45°	291	223
55°	249	222
65°	181	178
75°	97	102
85°	24	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4493.3
2.5°	4446.4
5°	4343.2
7.5°	4257.1
10°	4173.9
12.5°	4103.5
15°	4040.1
17.5°	3887.2
20°	3670.2
22.5°	3202.1
25°	2659.3
27.5°	2315.0
30°	1796.3
32.5°	1160.3
35°	601.9
37.5°	325.1
40°	296.0
42.5°	293.8
45°	291.0
47.5°	284.6
50°	273.9
52.5°	261.8
55°	249.0
57.5°	234.8
60°	218.4
62.5°	199.9
65°	180.7
67.5°	159.4
70°	138.0
72.5°	116.7
75°	96.8
77.5°	76.1
80°	57.6
82.5°	40.6
85°	23.5
87.5°	9.2
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)