

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: P751293

Luminaire Tested: LD4D60D010-EU4DR7055659027-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751293
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-EU4DR7055659027-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3641.5 lumens
Efficiency: N/A
Efficacy: 56.5 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

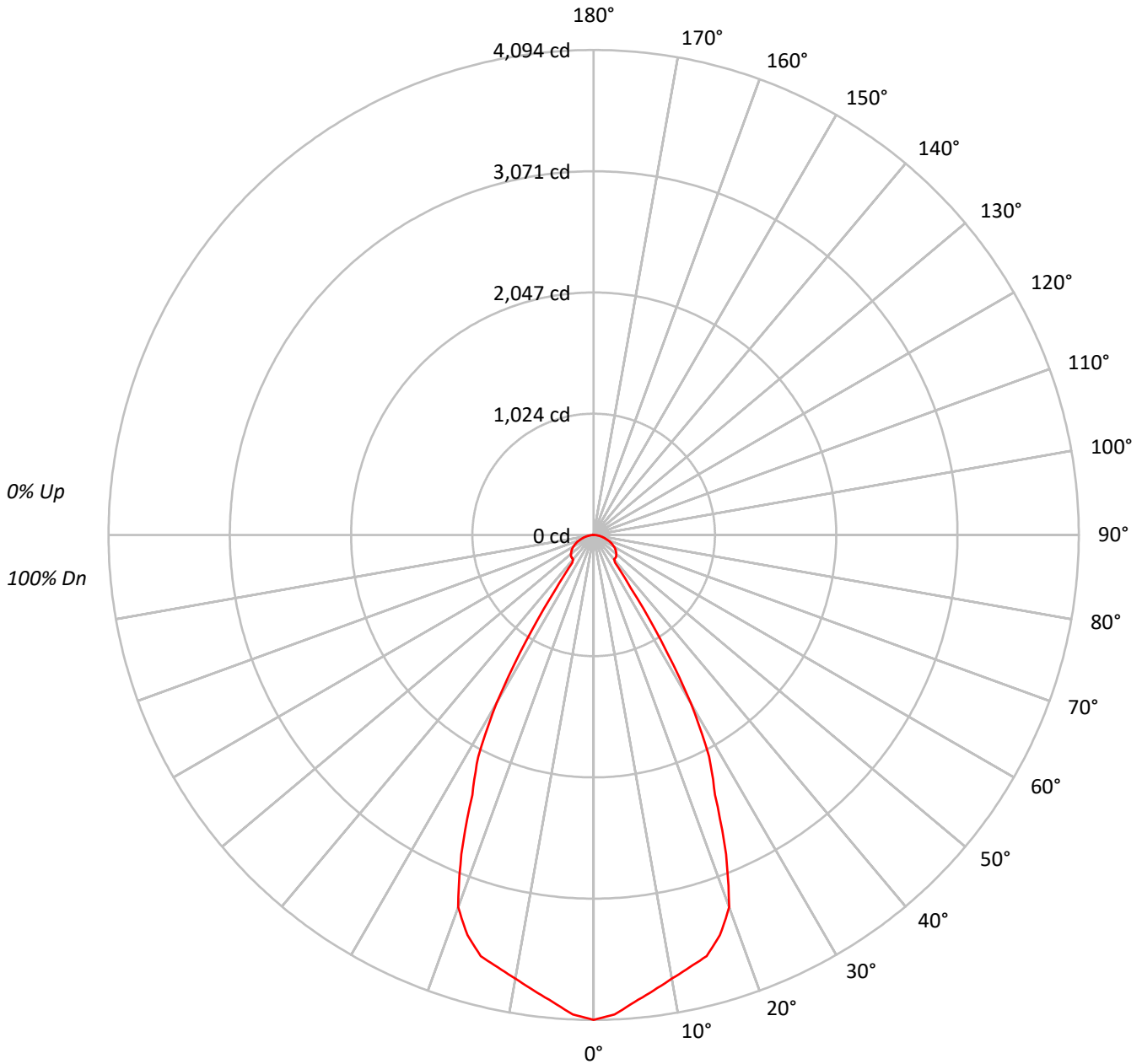
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	447314
5°	434029
10°	421929
15°	416388
20°	388828
25°	292107
30°	206492
35°	73147
40°	38467
45°	40963
50°	42427
55°	43222
60°	43486
65°	42555
70°	40188
75°	37234
80°	33033
85°	26828

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 43497 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.3	10.3
10°-20°	1023.8	28.1
20°-30°	1127.6	31.0
30°-40°	430.8	11.8
40°-50°	203.4	5.6
50°-60°	202.2	5.6
60°-70°	161.9	4.4
70°-80°	93.1	2.6
80°-90°	25.3	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°	2524.7	69.3
0°-40°	2955.5	81.2
0°-60°	3361.2	92.3
0°-90°	3641.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3641.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4094	
5°	3957	373
15°	3681	1024
25°	2423	1128
35°	548	431
45°	265	203
55°	227	202
65°	165	162
75°	88	93
85°	21	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4094.0
2.5°	4051.3
5°	3957.3
7.5°	3878.8
10°	3803.0
12.5°	3738.8
15°	3681.1
17.5°	3541.8
20°	3344.1
22.5°	2917.6
25°	2423.0
27.5°	2109.2
30°	1636.7
32.5°	1057.2
35°	548.4
37.5°	296.2
40°	269.7
42.5°	267.7
45°	265.1
47.5°	259.3
50°	249.6
52.5°	238.5
55°	226.9
57.5°	213.9
60°	199.0
62.5°	182.1
65°	164.6
67.5°	145.2
70°	125.8
72.5°	106.3
75°	88.2
77.5°	69.4
80°	52.5
82.5°	36.9
85°	21.4
87.5°	8.4
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)