

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: P752052

Luminaire Tested: LD4D65D010-EU4DR7055659024-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752052
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: LD4D65D010-EU4DR7055659024-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3348.8 lumens
Efficiency: N/A
Efficacy: 46.0 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

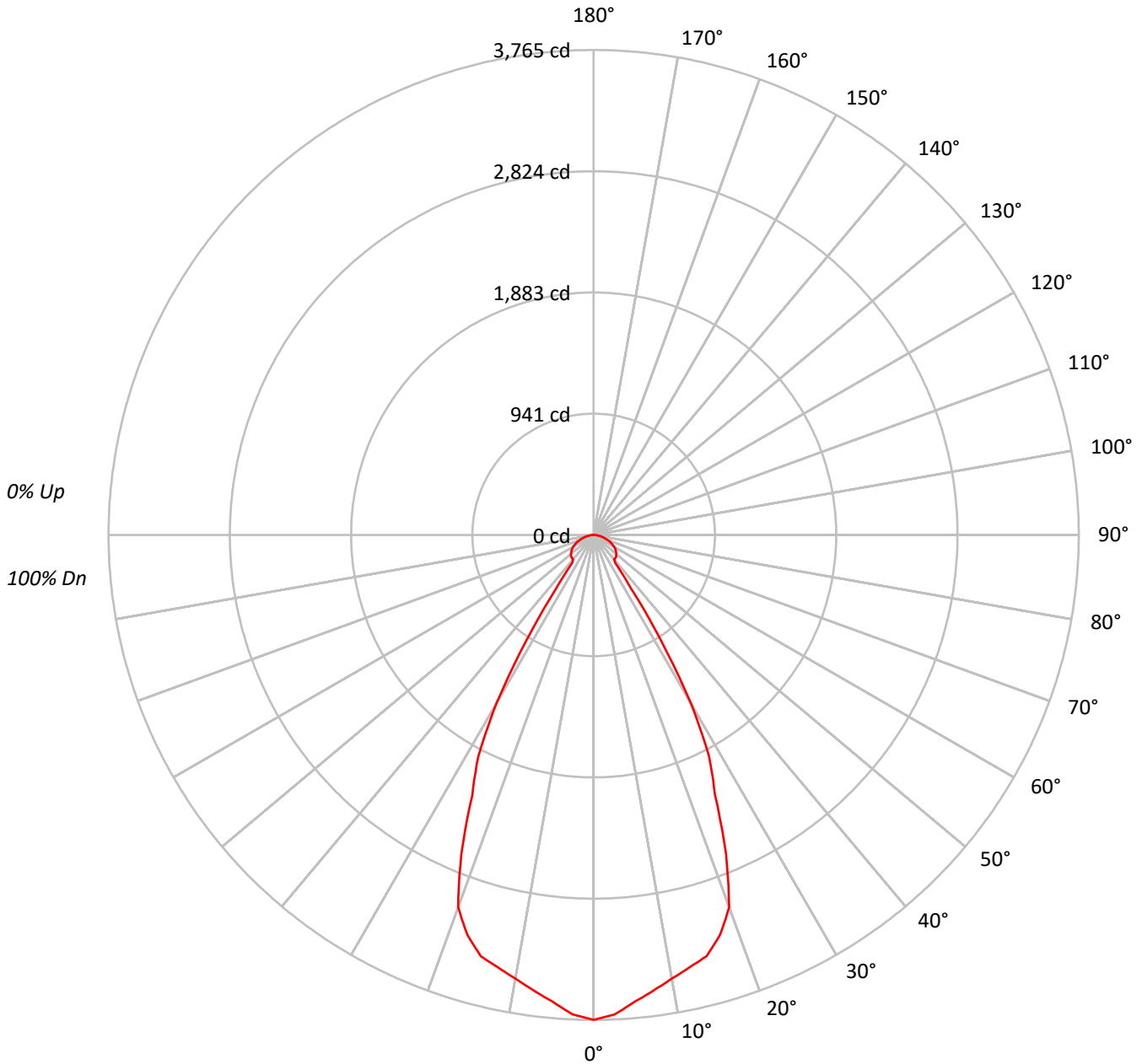
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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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°	411367
5°	399141
10°	388024
15°	382928
20°	357574
25°	268635
30°	189901
35°	67265
40°	35372
45°	37671
50°	39010
55°	39736
60°	39989
65°	39142
70°	36929
75°	34236
80°	30391
85°	24696

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 39999 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.3	10.3
10°-20°	941.5	28.1
20°-30°	1037.0	31.0
30°-40°	396.2	11.8
40°-50°	187.1	5.6
50°-60°	186.0	5.6
60°-70°	148.9	4.4
70°-80°	85.6	2.6
80°-90°	23.3	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°	2321.8	69.3
0°-40°	2718.0	81.2
0°-60°	3091.0	92.3
0°-90°	3348.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3348.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3765	
5°	3639	343
15°	3385	942
25°	2228	1037
35°	504	396
45°	244	187
55°	209	186
65°	151	149
75°	81	86
85°	20	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3765.0
2.5°	3725.7
5°	3639.2
7.5°	3567.1
10°	3497.4
12.5°	3438.4
15°	3385.3
17.5°	3257.1
20°	3075.3
22.5°	2683.1
25°	2228.3
27.5°	1939.7
30°	1505.2
32.5°	972.3
35°	504.3
37.5°	272.4
40°	248.0
42.5°	246.2
45°	243.8
47.5°	238.4
50°	229.5
52.5°	219.4
55°	208.6
57.5°	196.7
60°	183.0
62.5°	167.5
65°	151.4
67.5°	133.5
70°	115.6
72.5°	97.8
75°	81.1
77.5°	63.8
80°	48.3
82.5°	34.0
85°	19.7
87.5°	7.7
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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