

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: P752120

Luminaire Tested: LD4D65D010-EU4DR7055659050-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752120
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-EU4DR7055659050-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5589.4 lumens
Efficiency: N/A
Efficacy: 76.8 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

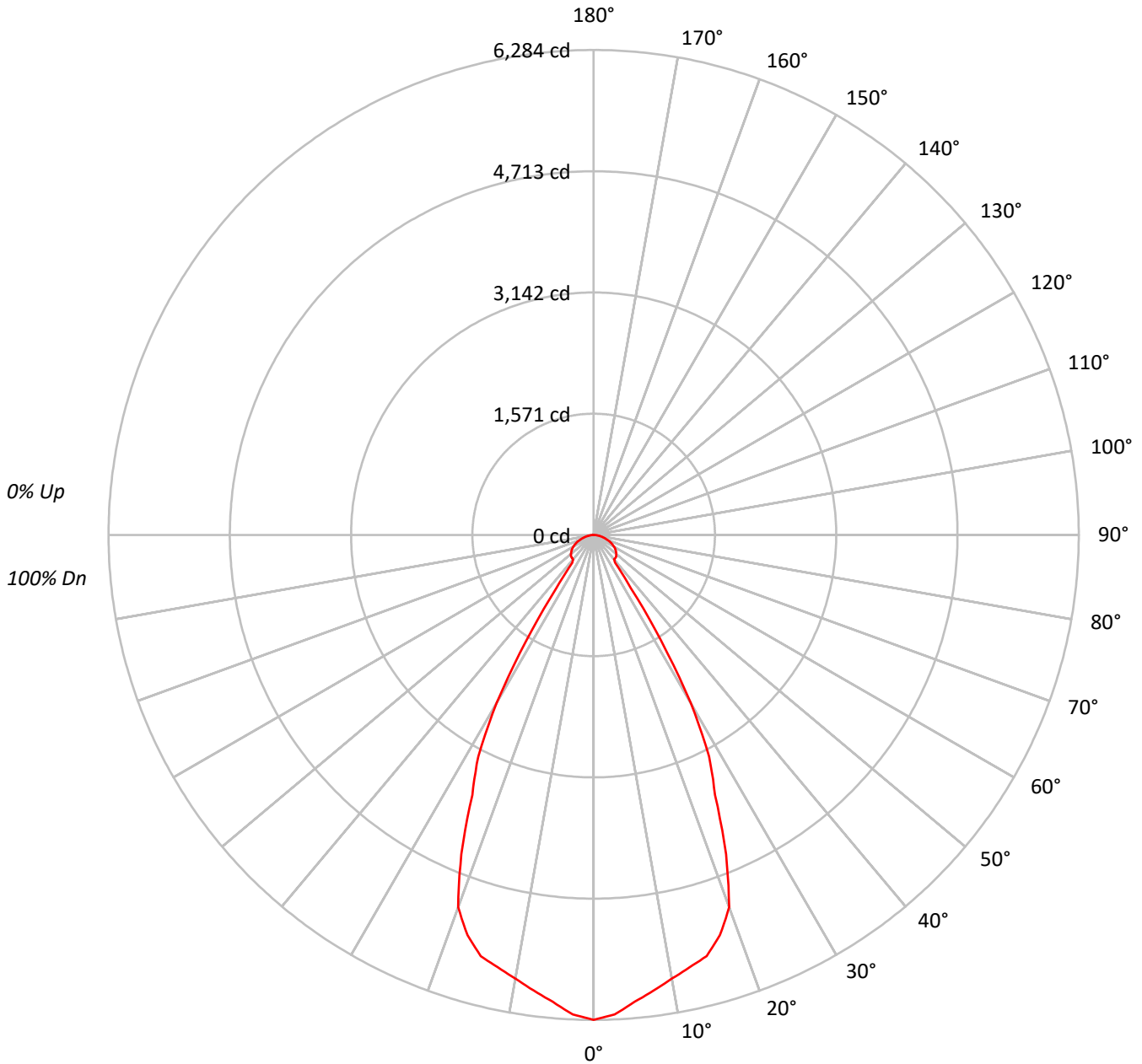
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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°	686606
5°	666196
10°	647627
15°	639134
20°	596817
25°	448359
30°	316948
35°	112268
40°	59034
45°	62873
50°	65119
55°	66329
60°	66736
65°	65331
70°	61655
75°	57117
80°	50714
85°	41119

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 66760 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	572.9	10.3
10°-20°	1571.5	28.1
20°-30°	1730.8	31.0
30°-40°	661.3	11.8
40°-50°	312.2	5.6
50°-60°	310.4	5.6
60°-70°	248.5	4.4
70°-80°	142.9	2.6
80°-90°	38.8	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°	3875.2	69.3
0°-40°	4536.5	81.2
0°-60°	5159.2	92.3
0°-90°	5589.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5589.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6284	
5°	6074	573
15°	5650	1571
25°	3719	1731
35°	842	661
45°	407	312
55°	348	310
65°	253	249
75°	135	143
85°	33	39
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6284.1
2.5°	6218.4
5°	6074.1
7.5°	5953.8
10°	5837.3
12.5°	5738.8
15°	5650.3
17.5°	5436.4
20°	5132.9
22.5°	4478.3
25°	3719.1
27.5°	3237.6
30°	2512.2
32.5°	1622.8
35°	841.7
37.5°	454.7
40°	413.9
42.5°	410.9
45°	406.9
47.5°	398.0
50°	383.1
52.5°	366.1
55°	348.2
57.5°	328.3
60°	305.4
62.5°	279.6
65°	252.7
67.5°	222.9
70°	193.0
72.5°	163.2
75°	135.3
77.5°	106.5
80°	80.6
82.5°	56.7
85°	32.8
87.5°	12.9
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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