

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: P752094

Luminaire Tested: LD4D65D010-EU4DR7055659035-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752094
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-EU4DR7055659035-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5301.8 lumens
Efficiency: N/A
Efficacy: 72.8 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

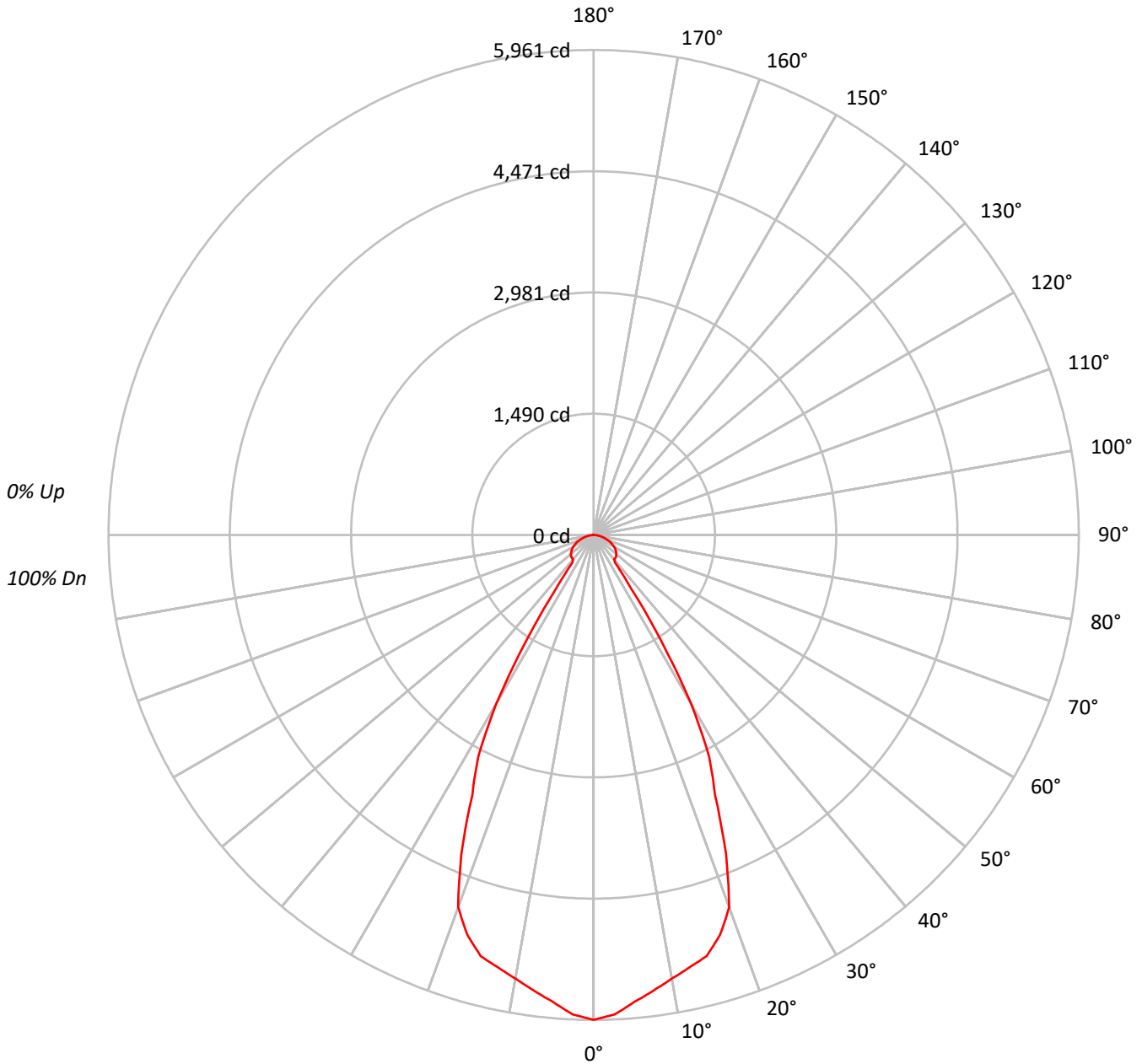
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	651282
5°	631932
10°	614321
15°	606251
20°	566121
25°	425297
30°	300648
35°	106493
40°	55996
45°	59644
50°	61771
55°	62919
60°	63306
65°	61970
70°	58493
75°	54204
80°	48071
85°	38988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 63324 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	543.4	10.3
10°-20°	1490.7	28.1
20°-30°	1641.8	31.0
30°-40°	627.3	11.8
40°-50°	296.2	5.6
50°-60°	294.4	5.6
60°-70°	235.7	4.4
70°-80°	135.5	2.6
80°-90°	36.8	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°	3675.9	69.3
0°-40°	4303.1	81.2
0°-60°	4893.8	92.3
0°-90°	5301.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5301.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5961	
5°	5762	543
15°	5360	1491
25°	3528	1642
35°	798	627
45°	386	296
55°	330	294
65°	240	236
75°	128	136
85°	31	37
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5960.8
2.5°	5898.5
5°	5761.7
7.5°	5647.5
10°	5537.1
12.5°	5443.6
15°	5359.6
17.5°	5156.7
20°	4868.9
22.5°	4247.9
25°	3527.8
27.5°	3071.0
30°	2383.0
32.5°	1539.3
35°	798.4
37.5°	431.3
40°	392.6
42.5°	389.8
45°	386.0
47.5°	377.5
50°	363.4
52.5°	347.3
55°	330.3
57.5°	311.4
60°	289.7
62.5°	265.2
65°	239.7
67.5°	211.4
70°	183.1
72.5°	154.8
75°	128.4
77.5°	101.0
80°	76.4
82.5°	53.8
85°	31.1
87.5°	12.3
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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