

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: P752107

Luminaire Tested: LD4D65D010-EU4DR7055659040-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752107
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-EU4DR7055659040-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5549.7 lumens
Efficiency: N/A
Efficacy: 76.2 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

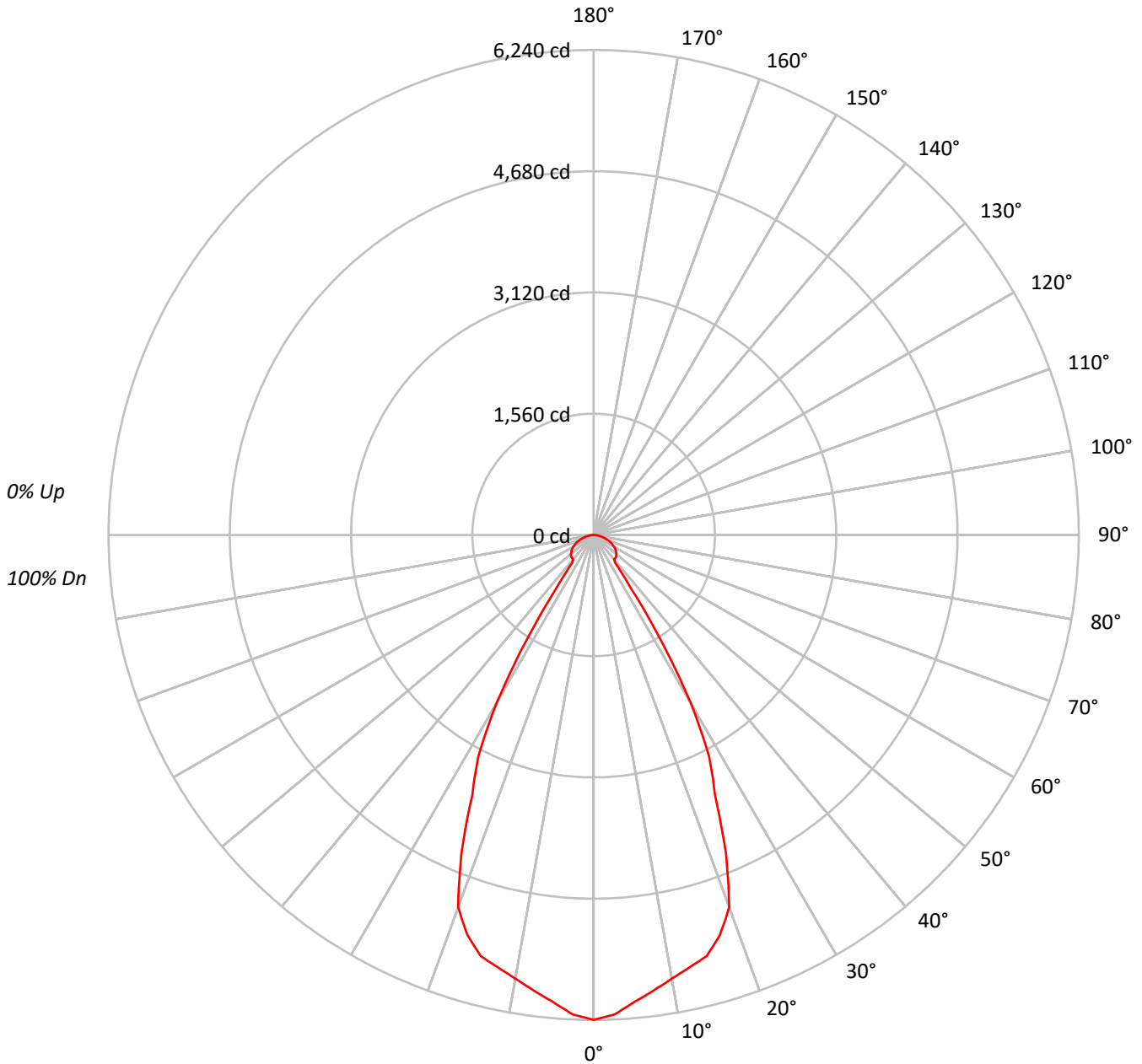
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91					91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83					83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76					76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70					70			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65					65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61					61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57					57			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53					53			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50					50			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48					48			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	681732
5°	661480
10°	643034
15°	634598
20°	592585
25°	445177
30°	314702
35°	111481
40°	58621
45°	62425
50°	64643
55°	65872
60°	66278
65°	64866
70°	61240
75°	56737
80°	50337
85°	40868

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 66293 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	568.9	10.3
10°-20°	1560.3	28.1
20°-30°	1718.5	31.0
30°-40°	656.6	11.8
40°-50°	310.0	5.6
50°-60°	308.2	5.6
60°-70°	246.8	4.4
70°-80°	141.8	2.6
80°-90°	38.5	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°	3847.7	69.3
0°-40°	4504.3	81.2
0°-60°	5122.6	92.3
0°-90°	5549.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5549.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6240	
5°	6031	569
15°	5610	1560
25°	3693	1719
35°	836	657
45°	404	310
55°	346	308
65°	251	247
75°	134	142
85°	33	39
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6239.5
2.5°	6174.3
5°	6031.1
7.5°	5911.5
10°	5795.9
12.5°	5698.1
15°	5610.2
17.5°	5397.8
20°	5096.5
22.5°	4446.5
25°	3692.7
27.5°	3214.6
30°	2494.4
32.5°	1611.2
35°	835.8
37.5°	451.5
40°	411.0
42.5°	408.0
45°	404.0
47.5°	395.2
50°	380.3
52.5°	363.5
55°	345.8
57.5°	326.0
60°	303.3
62.5°	277.6
65°	250.9
67.5°	221.3
70°	191.7
72.5°	162.0
75°	134.4
77.5°	105.7
80°	80.0
82.5°	56.3
85°	32.6
87.5°	12.8
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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