

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: P752106

Luminaire Tested: LD4D65D010-EU4DR7055659040-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752106
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-EU4DR7055659040-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7460.4 lumens
Efficiency: N/A
Efficacy: 102.5 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

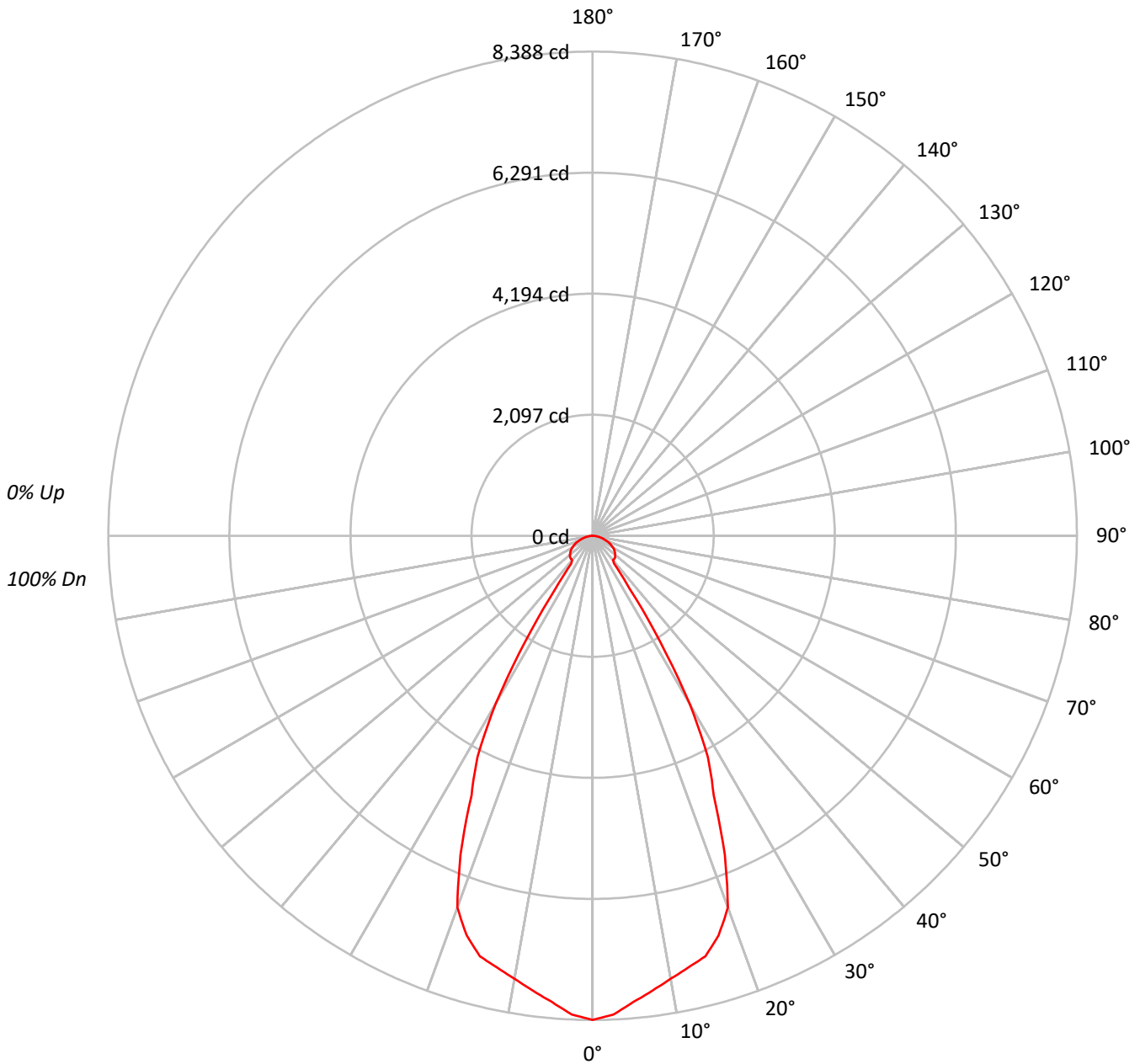
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	916436
5°	889204
10°	864416
15°	853080
20°	796597
25°	598440
30°	423051
35°	149856
40°	78789
45°	83919
50°	86911
55°	88540
60°	89091
65°	87203
70°	82292
75°	76240
80°	67703
85°	54909

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 89109 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	764.7	10.3
10°-20°	2097.5	28.1
20°-30°	2310.2	31.0
30°-40°	882.7	11.8
40°-50°	416.8	5.6
50°-60°	414.3	5.6
60°-70°	331.7	4.4
70°-80°	190.7	2.6
80°-90°	51.8	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°	5172.4	69.3
0°-40°	6055.0	81.2
0°-60°	6886.1	92.3
0°-90°	7460.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7460.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8388	
5°	8107	765
15°	7542	2098
25°	4964	2310
35°	1124	883
45°	543	417
55°	465	414
65°	337	332
75°	181	191
85°	44	52
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8387.6
2.5°	8299.9
5°	8107.4
7.5°	7946.7
10°	7791.3
12.5°	7659.8
15°	7541.7
17.5°	7256.1
20°	6851.1
22.5°	5977.3
25°	4964.0
27.5°	4321.3
30°	3353.2
32.5°	2166.0
35°	1123.5
37.5°	606.9
40°	552.4
42.5°	548.5
45°	543.1
47.5°	531.2
50°	511.3
52.5°	488.7
55°	464.8
57.5°	438.2
60°	407.7
62.5°	373.2
65°	337.3
67.5°	297.5
70°	257.6
72.5°	217.8
75°	180.6
77.5°	142.1
80°	107.6
82.5°	75.7
85°	43.8
87.5°	17.3
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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