

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: P752041

Luminaire Tested: LD4D65D010-EU4DR6555659050-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752041
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D65D010-EU4DR6555659050-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6522.4 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

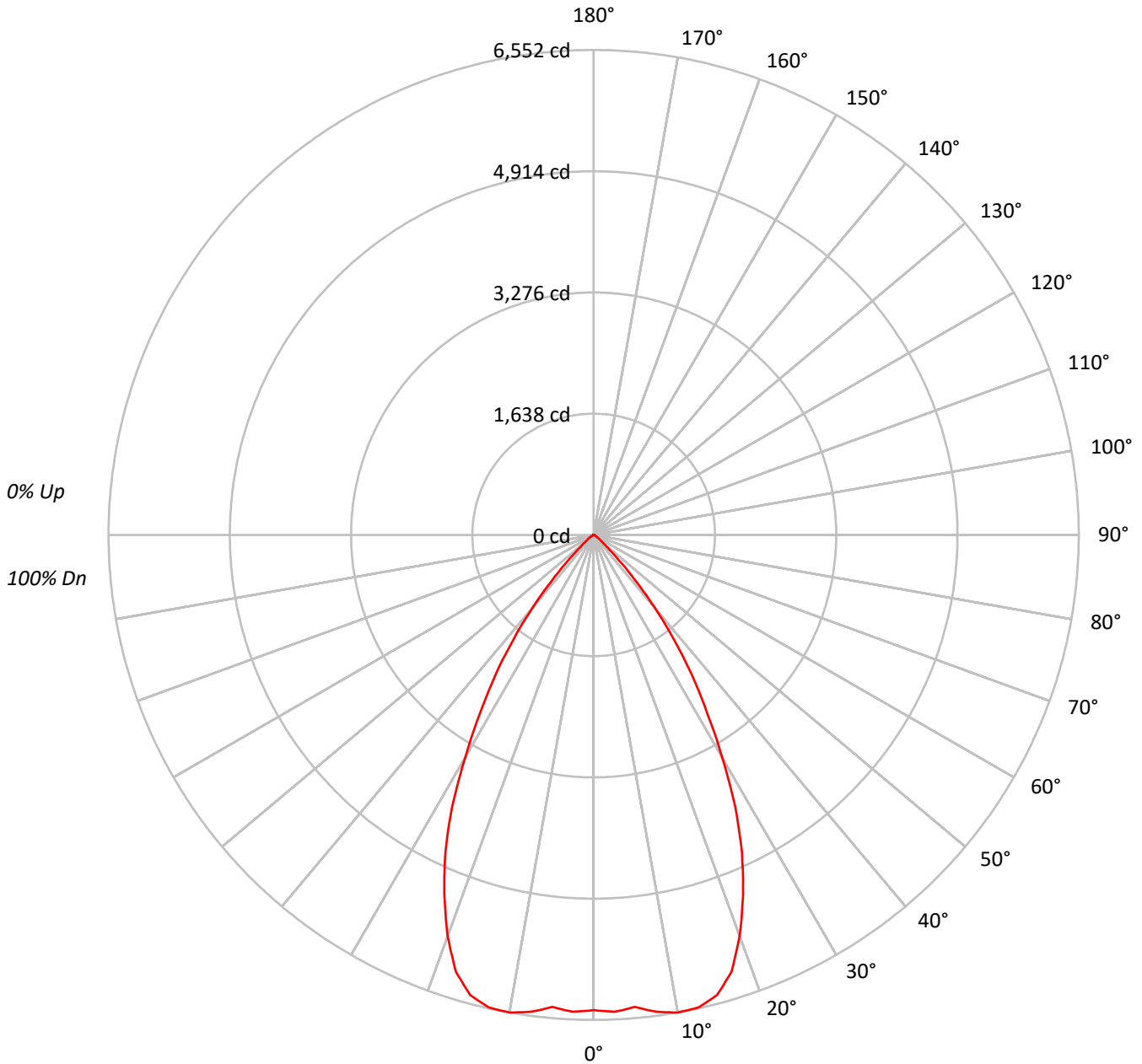
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	701651
5°	702225
10°	726953
15°	728156
20°	670383
25°	571206
30°	437283
35°	308928
40°	182352
45°	74030
50°	26840
55°	14953
60°	8566
65°	4731
70°	4952
75°	3842
80°	4027
85°	3385

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 74030 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	618.4	9.5
10°-20°	1783.7	27.3
20°-30°	2140.1	32.8
30°-40°	1438.2	22.1
40°-50°	430.5	6.6
50°-60°	76.0	1.2
60°-70°	21.6	0.3
70°-80°	10.6	0.2
80°-90°	3.3	0.1
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°	4542.2	69.6
0°-40°	5980.4	91.7
0°-60°	6486.9	99.5
0°-90°	6522.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6522.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6422	
5°	6403	618
15°	6437	1784
25°	4738	2140
35°	2316	1438
45°	479	431
55°	78	76
65°	18	22
75°	9	11
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6421.8
2.5°	6449.2
5°	6402.6
7.5°	6499.3
10°	6552.3
12.5°	6539.5
15°	6437.3
17.5°	6187.2
20°	5765.6
22.5°	5269.2
25°	4738.1
27.5°	4138.5
30°	3466.0
32.5°	2856.4
35°	2316.1
37.5°	1782.3
40°	1278.5
42.5°	835.0
45°	479.1
47.5°	253.7
50°	157.9
52.5°	109.5
55°	78.5
57.5°	56.6
60°	39.2
62.5°	25.6
65°	18.3
67.5°	16.4
70°	15.5
72.5°	11.9
75°	9.1
77.5°	8.2
80°	6.4
82.5°	4.6
85°	2.7
87.5°	1.8
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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