

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: P751911

Luminaire Tested: LD4D65D010-EU4DR6055659027-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D65D010-EU4DR6055659027-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6801.4 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

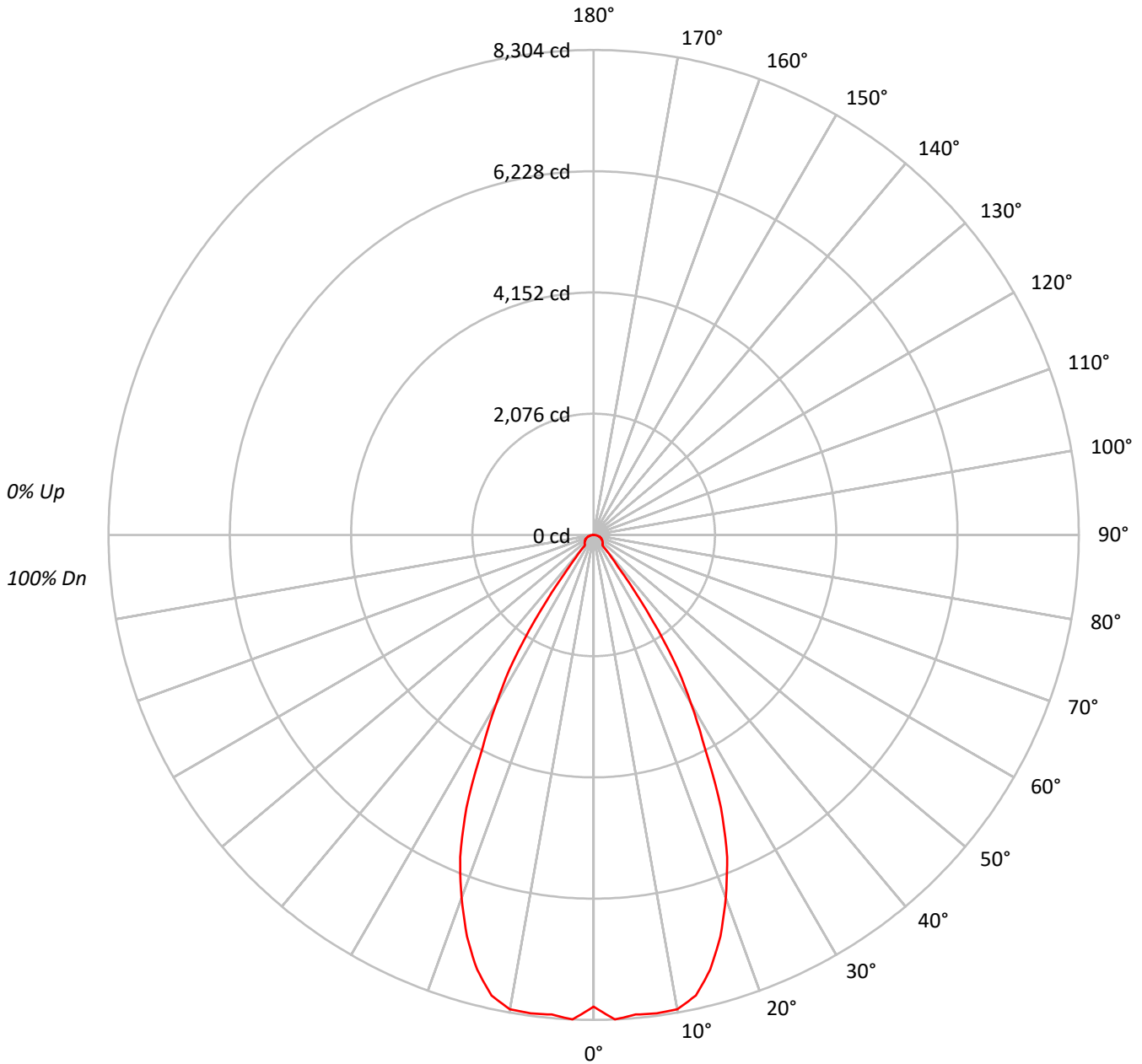
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	882554
5°	904252
10°	915174
15°	871834
20°	768680
25°	621731
30°	420553
35°	210745
40°	34188
45°	33453
50°	34132
55°	34650
60°	35597
65°	36427
70°	37281
75°	37740
80°	36368
85°	30338

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 37740 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	788.0	11.6
10°-20°	2131.9	31.3
20°-30°	2293.8	33.7
30°-40°	997.1	14.7
40°-50°	167.5	2.5
50°-60°	162.8	2.4
60°-70°	139.3	2.0
70°-80°	93.2	1.4
80°-90°	27.9	0.4
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°	5213.7	76.7
0°-40°	6210.7	91.3
0°-60°	6541.0	96.2
0°-90°	6801.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6801.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8078	
5°	8245	788
15°	7708	2132
25°	5157	2294
35°	1580	997
45°	216	167
55°	182	163
65°	141	139
75°	89	93
85°	24	28
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8077.5
2.5°	8304.5
5°	8244.6
7.5°	8263.5
10°	8248.8
12.5°	8078.5
15°	7707.5
17.5°	7209.2
20°	6611.0
22.5°	5970.9
25°	5157.2
27.5°	4124.9
30°	3333.4
32.5°	2569.2
35°	1580.0
37.5°	675.9
40°	239.7
42.5°	220.8
45°	216.5
47.5°	209.2
50°	200.8
52.5°	191.3
55°	181.9
57.5°	172.4
60°	162.9
62.5°	152.4
65°	140.9
67.5°	129.3
70°	116.7
72.5°	103.0
75°	89.4
77.5°	73.6
80°	57.8
82.5°	41.0
85°	24.2
87.5°	8.4
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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