

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: P751963

Luminaire Tested: LD4D65D010-EU4DR6055659050-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751963
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-EU4DR6055659050-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7464.7 lumens
Efficiency: N/A
Efficacy: 102.5 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

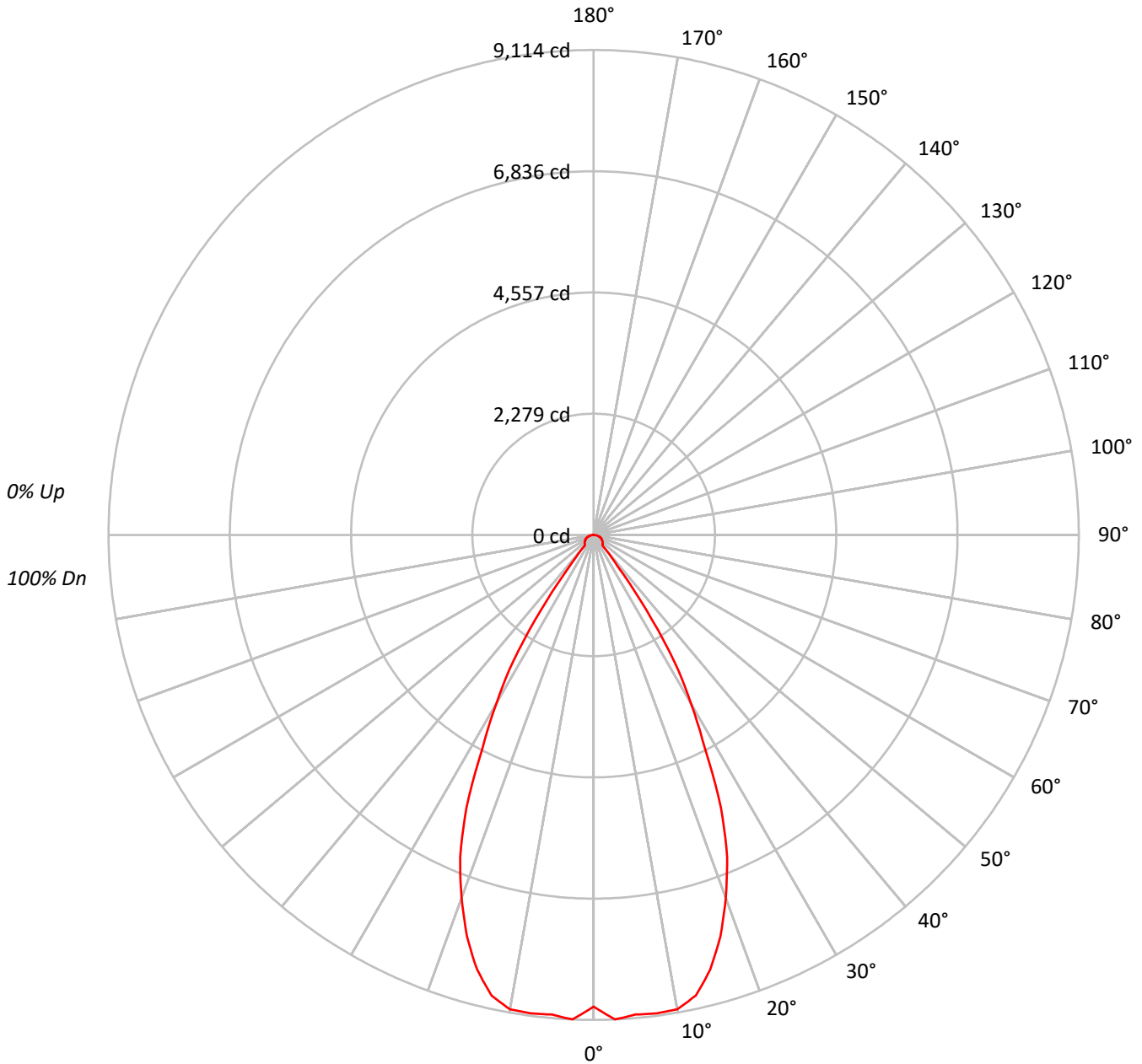
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	968629
5°	992444
10°	1004430
15°	956852
20°	843653
25°	682371
30°	461569
35°	231299
40°	37526
45°	36729
50°	37463
55°	38022
60°	39072
65°	39969
70°	40922
75°	41413
80°	39955
85°	33221

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 41413 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	864.8	11.6
10°-20°	2339.8	31.3
20°-30°	2517.5	33.7
30°-40°	1094.3	14.7
40°-50°	183.8	2.5
50°-60°	178.7	2.4
60°-70°	152.9	2.0
70°-80°	102.3	1.4
80°-90°	30.6	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°	5722.2	76.7
0°-40°	6816.5	91.3
0°-60°	7179.0	96.2
0°-90°	7464.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7464.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8865	
5°	9049	865
15°	8459	2340
25°	5660	2517
35°	1734	1094
45°	238	184
55°	200	179
65°	155	153
75°	98	102
85°	26	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8865.3
2.5°	9114.5
5°	9048.7
7.5°	9069.5
10°	9053.3
12.5°	8866.4
15°	8459.1
17.5°	7912.3
20°	7255.8
22.5°	6553.2
25°	5660.2
27.5°	4527.2
30°	3658.5
32.5°	2819.7
35°	1734.1
37.5°	741.8
40°	263.1
42.5°	242.3
45°	237.7
47.5°	229.6
50°	220.4
52.5°	210.0
55°	199.6
57.5°	189.2
60°	178.8
62.5°	167.3
65°	154.6
67.5°	141.9
70°	128.1
72.5°	113.1
75°	98.1
77.5°	80.8
80°	63.5
82.5°	45.0
85°	26.5
87.5°	9.2
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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(END OF REPORT)