

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: P751962

Luminaire Tested: LD4D65D010-EU4DR6055659050-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751962
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-EU4DR6055659050-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-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: 7109.3 lumens
Efficiency: N/A
Efficacy: 97.7 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

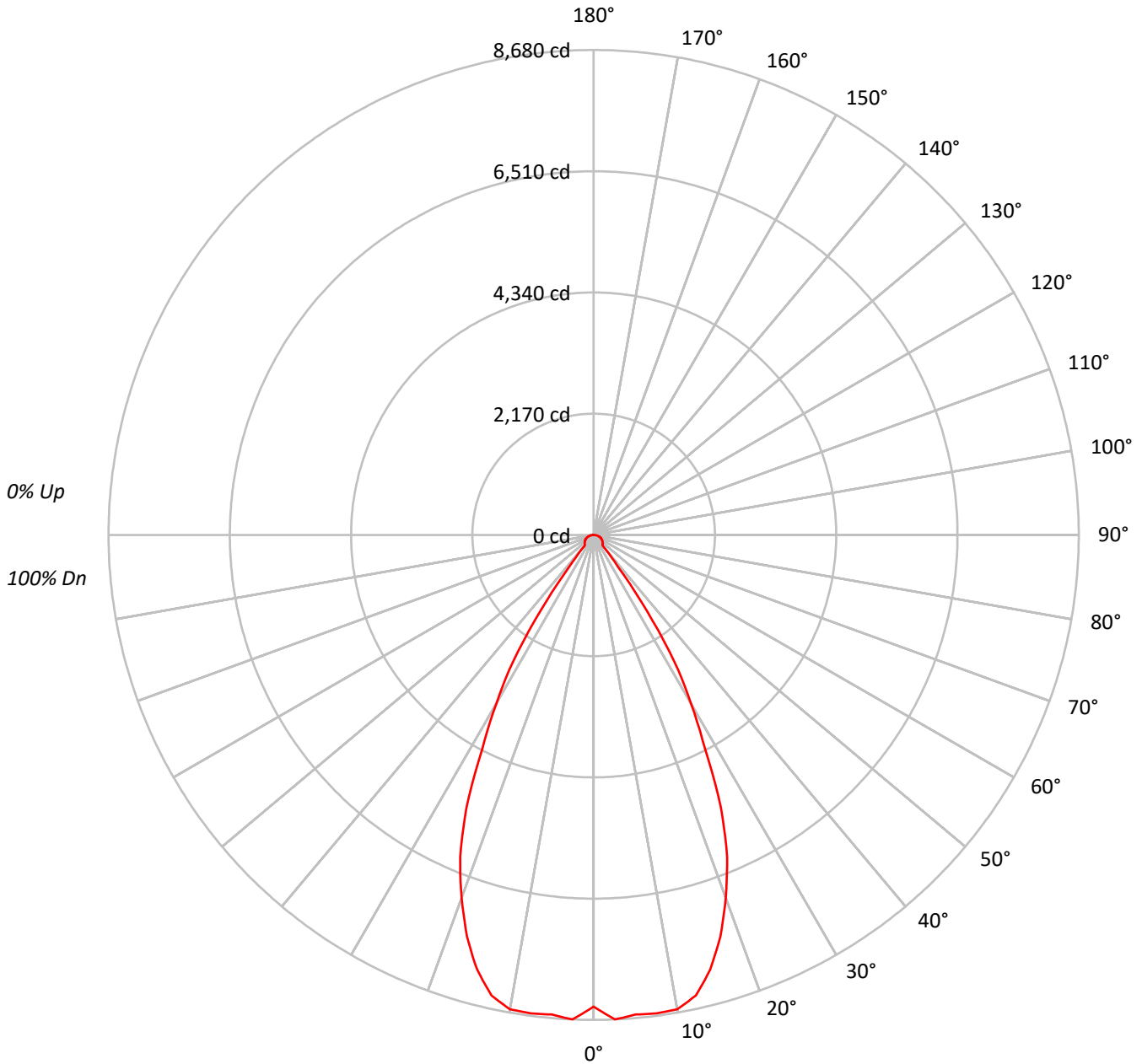
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	922499
5°	945184
10°	956601
15°	911289
20°	803480
25°	649881
30°	439591
35°	220282
40°	35729
45°	34983
50°	35679
55°	36212
60°	37214
65°	38056
70°	38974
75°	39429
80°	38004
85°	31717

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 39429 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	823.6	11.6
10°-20°	2228.4	31.3
20°-30°	2397.6	33.7
30°-40°	1042.2	14.7
40°-50°	175.1	2.5
50°-60°	170.2	2.4
60°-70°	145.6	2.0
70°-80°	97.4	1.4
80°-90°	29.2	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°	5449.7	76.7
0°-40°	6491.9	91.3
0°-60°	6837.1	96.2
0°-90°	7109.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7109.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8443	
5°	8618	824
15°	8056	2228
25°	5391	2398
35°	1652	1042
45°	226	175
55°	190	170
65°	147	146
75°	93	97
85°	25	29
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8443.1
2.5°	8680.4
5°	8617.8
7.5°	8637.6
10°	8622.2
12.5°	8444.2
15°	8056.3
17.5°	7535.5
20°	6910.3
22.5°	6241.1
25°	5390.7
27.5°	4311.7
30°	3484.3
32.5°	2685.4
35°	1651.5
37.5°	706.5
40°	250.5
42.5°	230.7
45°	226.4
47.5°	218.7
50°	209.9
52.5°	200.0
55°	190.1
57.5°	180.2
60°	170.3
62.5°	159.3
65°	147.2
67.5°	135.2
70°	122.0
72.5°	107.7
75°	93.4
77.5°	76.9
80°	60.4
82.5°	42.9
85°	25.3
87.5°	8.8
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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