

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: P754381

Luminaire Tested: LD4D80BD010-EU4DR6570959050-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P754381
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: LD4D80BD010-EU4DR6570959050-4LBDP1LI
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: 7459.6 lumens
Efficiency: N/A
Efficacy: 94.5 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

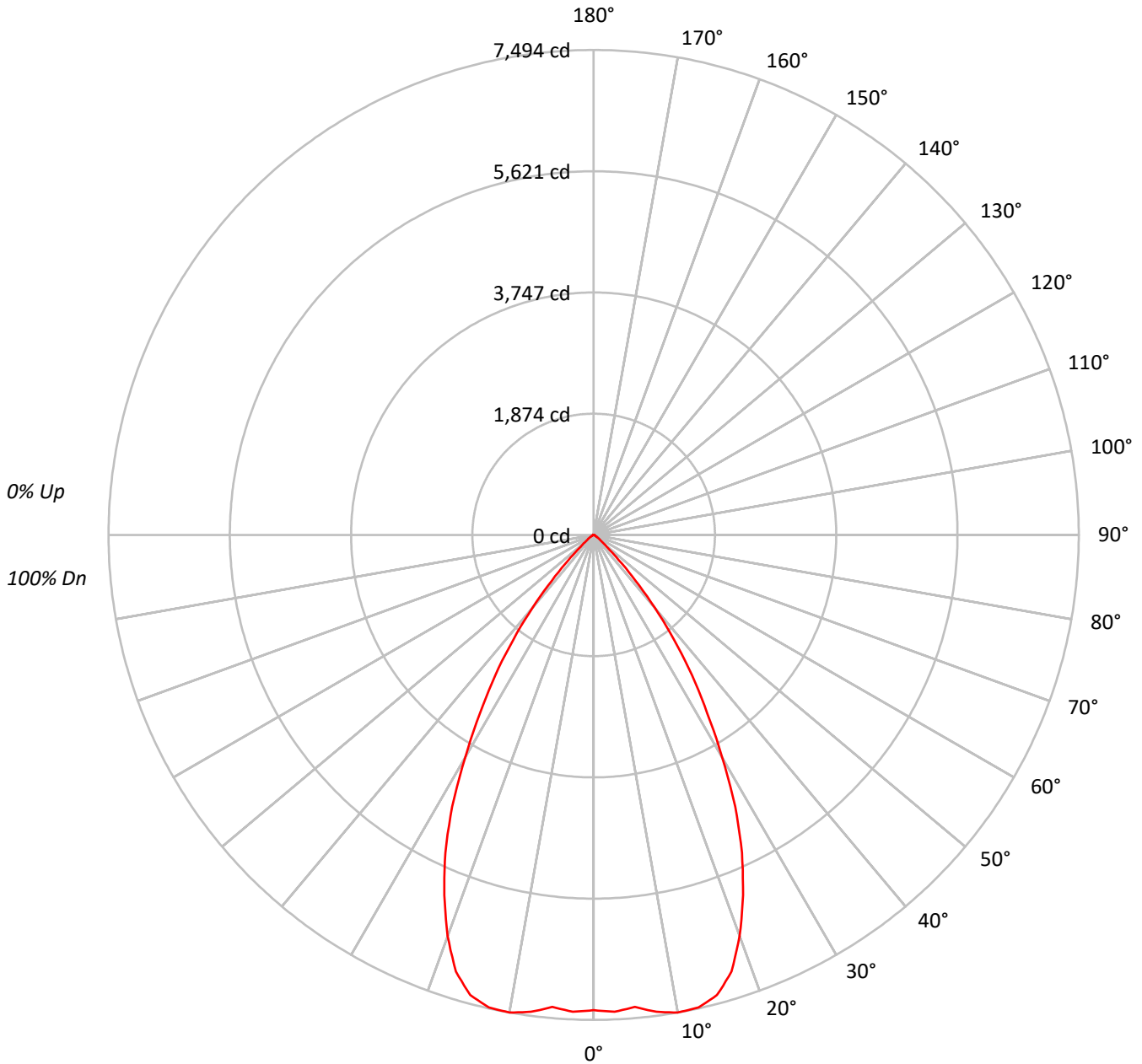
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	802466
5°	803129
10°	831398
15°	832776
20°	766715
25°	653280
30°	500112
35°	353318
40°	208553
45°	84660
50°	30698
55°	17106
60°	9812
65°	5403
70°	5654
75°	4390
80°	4593
85°	3886

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 84660 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	707.2	9.5
10°-20°	2040.0	27.3
20°-30°	2447.6	32.8
30°-40°	1644.9	22.1
40°-50°	492.4	6.6
50°-60°	86.9	1.2
60°-70°	24.7	0.3
70°-80°	12.1	0.2
80°-90°	3.8	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°	5194.8	69.6
0°-40°	6839.7	91.7
0°-60°	7418.9	99.5
0°-90°	7459.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7459.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7344	
5°	7323	707
15°	7362	2040
25°	5419	2448
35°	2649	1645
45°	548	492
55°	90	87
65°	21	25
75°	10	12
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7344.5
2.5°	7375.8
5°	7322.6
7.5°	7433.2
10°	7493.7
12.5°	7479.1
15°	7362.2
17.5°	7076.3
20°	6594.1
22.5°	6026.3
25°	5418.9
27.5°	4733.2
30°	3964.0
32.5°	3266.8
35°	2648.9
37.5°	2038.3
40°	1462.2
42.5°	955.0
45°	547.9
47.5°	290.1
50°	180.6
52.5°	125.2
55°	89.8
57.5°	64.7
60°	44.9
62.5°	29.2
65°	20.9
67.5°	18.8
70°	17.7
72.5°	13.6
75°	10.4
77.5°	9.4
80°	7.3
82.5°	5.2
85°	3.1
87.5°	2.1
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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