

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: P754341

Luminaire Tested: LD4D80BD010-EU4DR6570959030-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P754341
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-EU4DR6570959030-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6668.6 lumens
Efficiency: N/A
Efficacy: 84.5 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

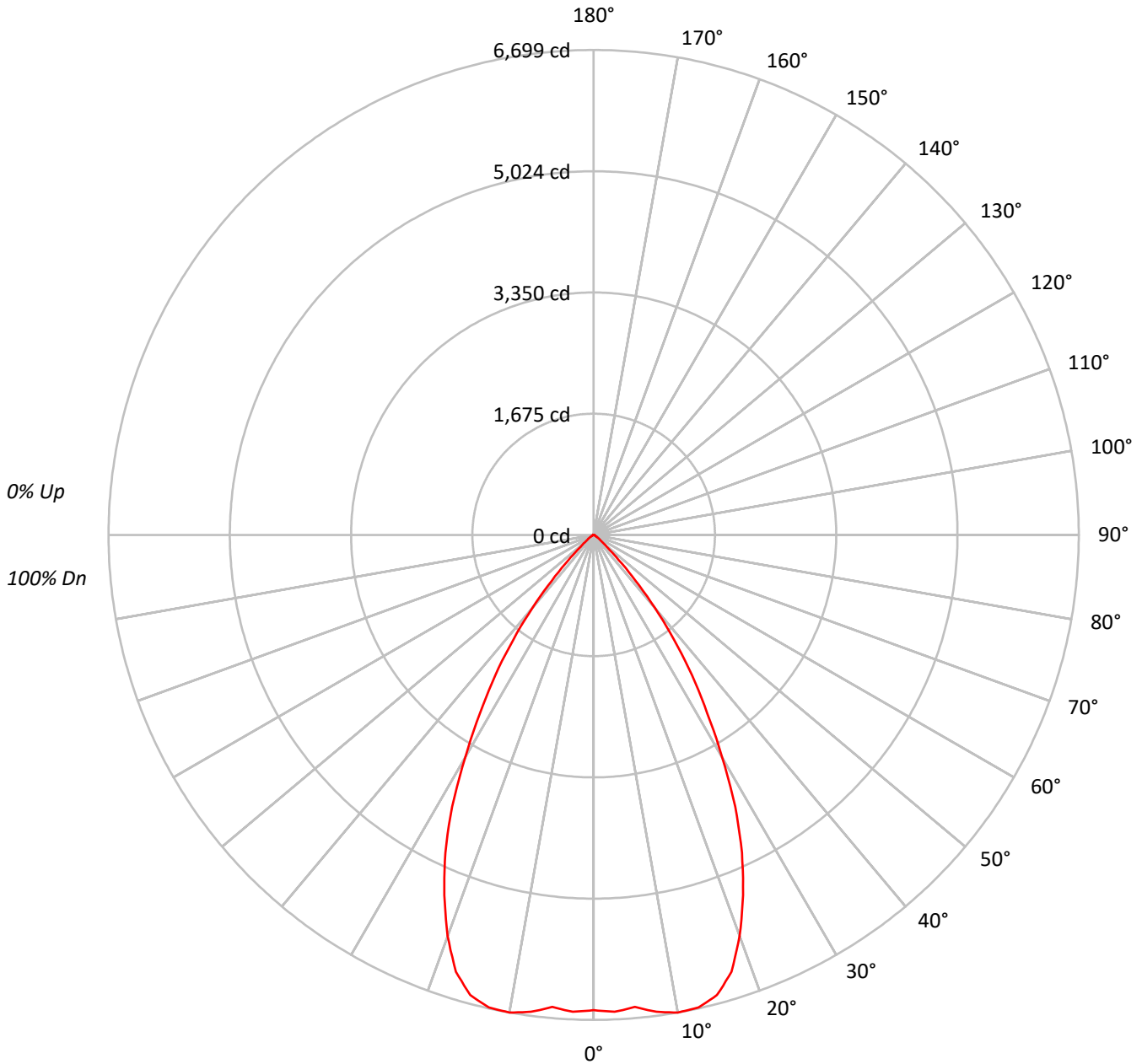
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P754341
CATALOG NUMBER: LD4D80BD010-EU4DR6570959030-4LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P754341

CATALOG NUMBER: LD4D80BD010-EU4DR6570959030-4LBDP1H

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°	717384
5°	717975
10°	743251
15°	744478
20°	685417
25°	584009
30°	447085
35°	315850
40°	186446
45°	75683
50°	27435
55°	15277
60°	8763
65°	4835
70°	5079
75°	3926
80°	4090
85°	3510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 75683 cd/sqm



TEST NUMBER: P754341

CATALOG NUMBER: LD4D80BD010-EU4DR6570959030-4LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	632.2	9.5
10°-20°	1823.7	27.3
20°-30°	2188.1	32.8
30°-40°	1470.4	22.1
40°-50°	440.2	6.6
50°-60°	77.7	1.2
60°-70°	22.1	0.3
70°-80°	10.8	0.2
80°-90°	3.4	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°	4644.0	69.6
0°-40°	6114.5	91.7
0°-60°	6632.3	99.5
0°-90°	6668.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6668.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6566	
5°	6546	632
15°	6582	1824
25°	4844	2188
35°	2368	1470
45°	490	440
55°	80	78
65°	19	22
75°	9	11
85°	3	3
90°	0	



TEST NUMBER: P754341

CATALOG NUMBER: LD4D80BD010-EU4DR6570959030-4LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	6565.8
2.5°	6593.8
5°	6546.2
7.5°	6645.1
10°	6699.2
12.5°	6686.1
15°	6581.6
17.5°	6326.0
20°	5894.9
22.5°	5387.4
25°	4844.3
27.5°	4231.3
30°	3543.7
32.5°	2920.4
35°	2368.0
37.5°	1822.2
40°	1307.2
42.5°	853.7
45°	489.8
47.5°	259.4
50°	161.4
52.5°	112.0
55°	80.2
57.5°	57.8
60°	40.1
62.5°	26.1
65°	18.7
67.5°	16.8
70°	15.9
72.5°	12.1
75°	9.3
77.5°	8.4
80°	6.5
82.5°	4.7
85°	2.8
87.5°	1.9
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)