

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: P754337

Luminaire Tested: LD4D80BD010-EU4DR6570959030-4LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P754337
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D80BD010-EU4DR6570959030-4LBCSSQMB
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

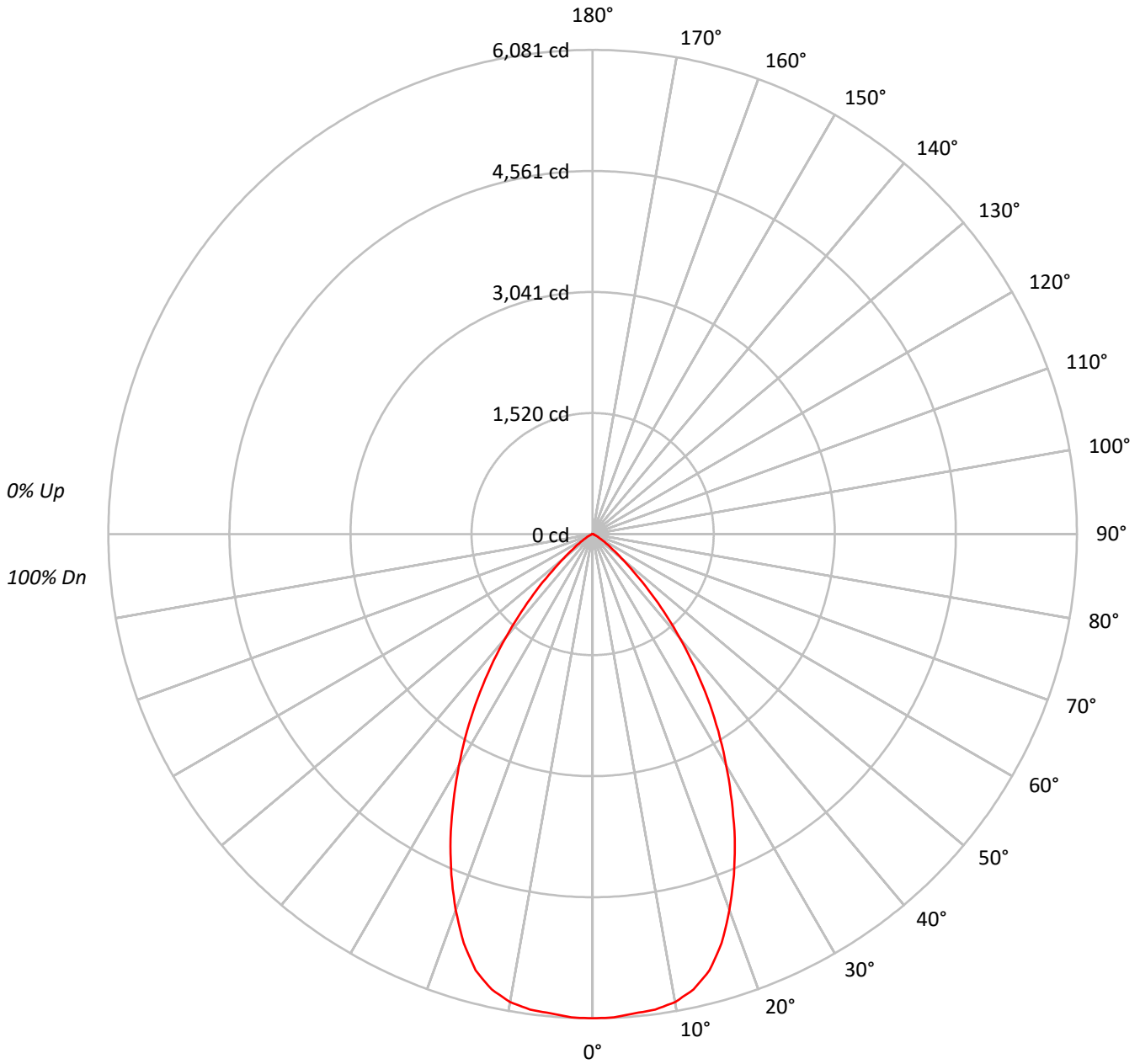
Lumens per Lamp: N/A
Luminaire Lumens: 6697.0 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 78.9
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



TEST NUMBER: P754337
CATALOG NUMBER: LD4D80BD010-EU4DR6570959030-4LBCSSQMB

Luminous Intensity Polar Plot





TEST NUMBER: P754337
 CATALOG NUMBER: LD4D80BD010-EU4DR6570959030-4LBCSSQMB

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	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	355136
5°	354236
10°	353937
15°	343025
20°	312283
25°	272137
30°	226339
35°	179343
40°	129442
45°	81778
50°	42623
55°	22656
60°	11903
65°	6550
70°	2749
75°	3024
80°	2119
85°	1809

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 81778 cd/sqm



TEST NUMBER: P754337

CATALOG NUMBER: LD4D80BD010-EU4DR6570959030-4LBCSSQMB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	575.0	8.6
10°-20°	1574.7	23.5
20°-30°	1924.8	28.7
30°-40°	1561.7	23.3
40°-50°	778.2	11.6
50°-60°	217.1	3.2
60°-70°	49.3	0.7
70°-80°	12.8	0.2
80°-90°	3.3	0.0
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°	4074.5	60.8
0°-40°	5636.2	84.2
0°-60°	6631.5	99.0
0°-90°	6697.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6697.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6081	
5°	6042	575
15°	5673	1575
25°	4223	1925
35°	2515	1562
45°	990	778
55°	222	217
65°	47	49
75°	13	13
85°	3	3
90°	0	



TEST NUMBER: P754337

CATALOG NUMBER: LD4D80BD010-EU4DR6570959030-4LBCSSQMB

CANDELA DISTRIBUTION (FULL):

0°	
0°	6080.7
2.5°	6076.2
5°	6042.2
7.5°	6022.6
10°	5968.1
12.5°	5857.3
15°	5673.2
17.5°	5385.5
20°	5024.5
22.5°	4634.9
25°	4223.0
27.5°	3782.4
30°	3356.2
32.5°	2935.3
35°	2515.4
37.5°	2096.3
40°	1697.8
42.5°	1324.3
45°	990.1
47.5°	689.8
50°	469.1
52.5°	323.5
55°	222.5
57.5°	150.1
60°	101.9
62.5°	70.6
65°	47.4
67.5°	24.1
70°	16.1
72.5°	15.2
75°	13.4
77.5°	8.9
80°	6.3
82.5°	4.5
85°	2.7
87.5°	1.8
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

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)