

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: P772470

Luminaire Tested: LD6D80BD010-EU6DR7070959027-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772470
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D80BD010-EU6DR7070959027-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9470.1 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

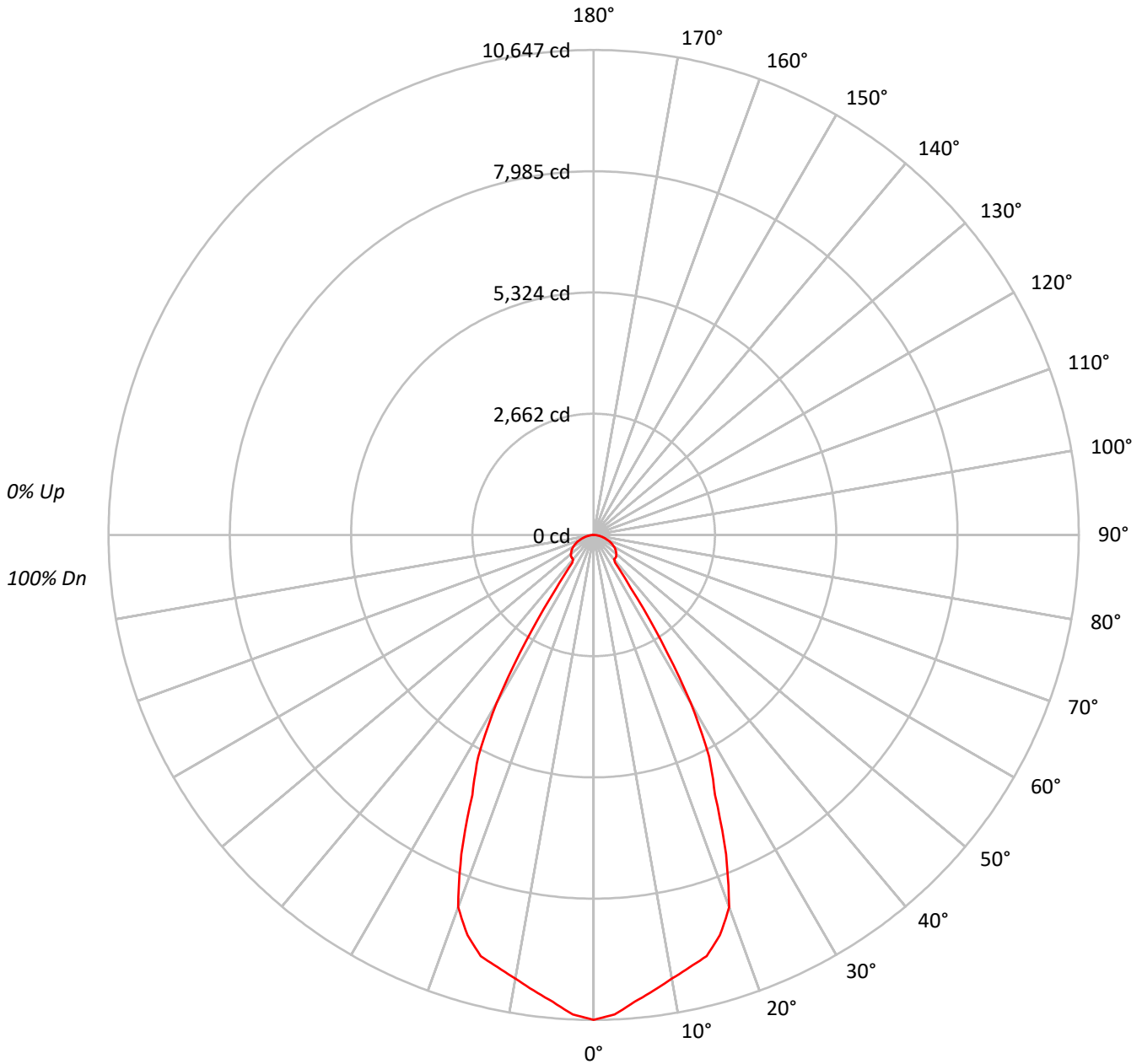
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P772470
CATALOG NUMBER: LD6D80BD010-EU6DR7070959027-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P772470
 CATALOG NUMBER: LD6D80BD010-EU6DR7070959027-6LBDP1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1163310
5°	1128741
10°	1097281
15°	1082884
20°	1011190
25°	759659
30°	537015
35°	190217
40°	100026
45°	106540
50°	110317
55°	112389
60°	113085
65°	110704
70°	104462
75°	96799
80°	85887
85°	69702

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 113125 cd/sqm



TEST NUMBER: P772470

CATALOG NUMBER: LD6D80BD010-EU6DR7070959027-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	970.7	10.3
10°-20°	2662.6	28.1
20°-30°	2932.5	31.0
30°-40°	1120.4	11.8
40°-50°	529.0	5.6
50°-60°	526.0	5.6
60°-70°	421.1	4.4
70°-80°	242.0	2.6
80°-90°	65.8	0.7
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°	6565.8	69.3
0°-40°	7686.2	81.2
0°-60°	8741.2	92.3
0°-90°	9470.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9470.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10647	
5°	10291	971
15°	9573	2663
25°	6301	2932
35°	1426	1120
45°	690	529
55°	590	526
65°	428	421
75°	229	242
85°	56	66
90°	0	



TEST NUMBER: P772470

CATALOG NUMBER: LD6D80BD010-EU6DR7070959027-6LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	10647.1
2.5°	10535.9
5°	10291.4
7.5°	10087.5
10°	9890.2
12.5°	9723.3
15°	9573.3
17.5°	9210.9
20°	8696.7
22.5°	7587.5
25°	6301.3
27.5°	5485.4
30°	4256.5
32.5°	2749.4
35°	1426.1
37.5°	770.4
40°	701.3
42.5°	696.2
45°	689.5
47.5°	674.3
50°	649.0
52.5°	620.4
55°	590.0
57.5°	556.3
60°	517.5
62.5°	473.7
65°	428.2
67.5°	377.6
70°	327.0
72.5°	276.5
75°	229.3
77.5°	180.4
80°	136.5
82.5°	96.1
85°	55.6
87.5°	21.9
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)