

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: P772313

Luminaire Tested: LD6D80BD010-EU6DR6070959027-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772313
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: LD6D80BD010-EU6DR6070959027-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7408.9 lumens
Efficiency: N/A
Efficacy: 93.9 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

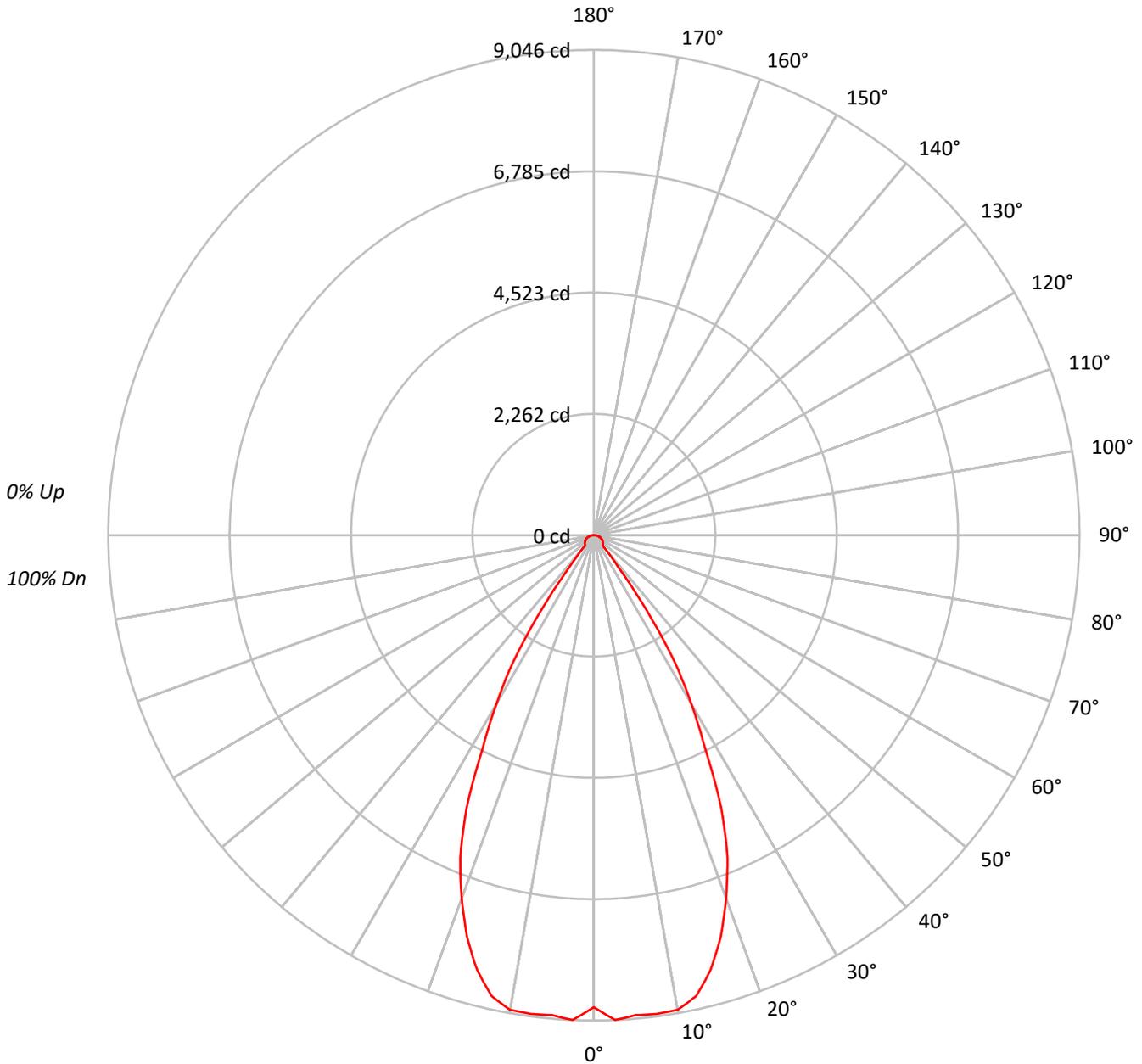
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P772313
CATALOG NUMBER: LD6D80BD010-EU6DR6070959027-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P772313

CATALOG NUMBER: LD6D80BD010-EU6DR6070959027-6LBDP1B

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	961385
5°	985030
10°	996919
15°	949703
20°	837351
25°	677271
30°	458112
35°	229565
40°	37241
45°	36451
50°	37175
55°	37736
60°	38788
65°	39659
70°	40603
75°	41075
80°	39640
85°	32970

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 41075 cd/sqm



TEST NUMBER: P772313

CATALOG NUMBER: LD6D80BD010-EU6DR6070959027-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	858.4	11.6
10°-20°	2322.4	31.3
20°-30°	2498.7	33.7
30°-40°	1086.1	14.7
40°-50°	182.4	2.5
50°-60°	177.4	2.4
60°-70°	151.7	2.0
70°-80°	101.5	1.4
80°-90°	30.4	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°	5679.4	76.7
0°-40°	6765.5	91.3
0°-60°	7125.3	96.2
0°-90°	7408.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7408.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8799	
5°	8981	858
15°	8396	2322
25°	5618	2499
35°	1721	1086
45°	236	182
55°	198	177
65°	153	152
75°	97	102
85°	26	30
90°	0	



TEST NUMBER: P772313

CATALOG NUMBER: LD6D80BD010-EU6DR6070959027-6LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	8799.0
2.5°	9046.3
5°	8981.1
7.5°	9001.7
10°	8985.6
12.5°	8800.1
15°	8395.9
17.5°	7853.1
20°	7201.6
22.5°	6504.2
25°	5617.9
27.5°	4493.4
30°	3631.1
32.5°	2798.6
35°	1721.1
37.5°	736.3
40°	261.1
42.5°	240.5
45°	235.9
47.5°	227.9
50°	218.7
52.5°	208.4
55°	198.1
57.5°	187.8
60°	177.5
62.5°	166.0
65°	153.4
67.5°	140.8
70°	127.1
72.5°	112.2
75°	97.3
77.5°	80.2
80°	63.0
82.5°	44.7
85°	26.3
87.5°	9.2
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)