

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: P772079

Luminaire Tested: LD6D80BD010-EU6DR4570959027-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772079
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D80BD010-EU6DR4570959027-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8470.3 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

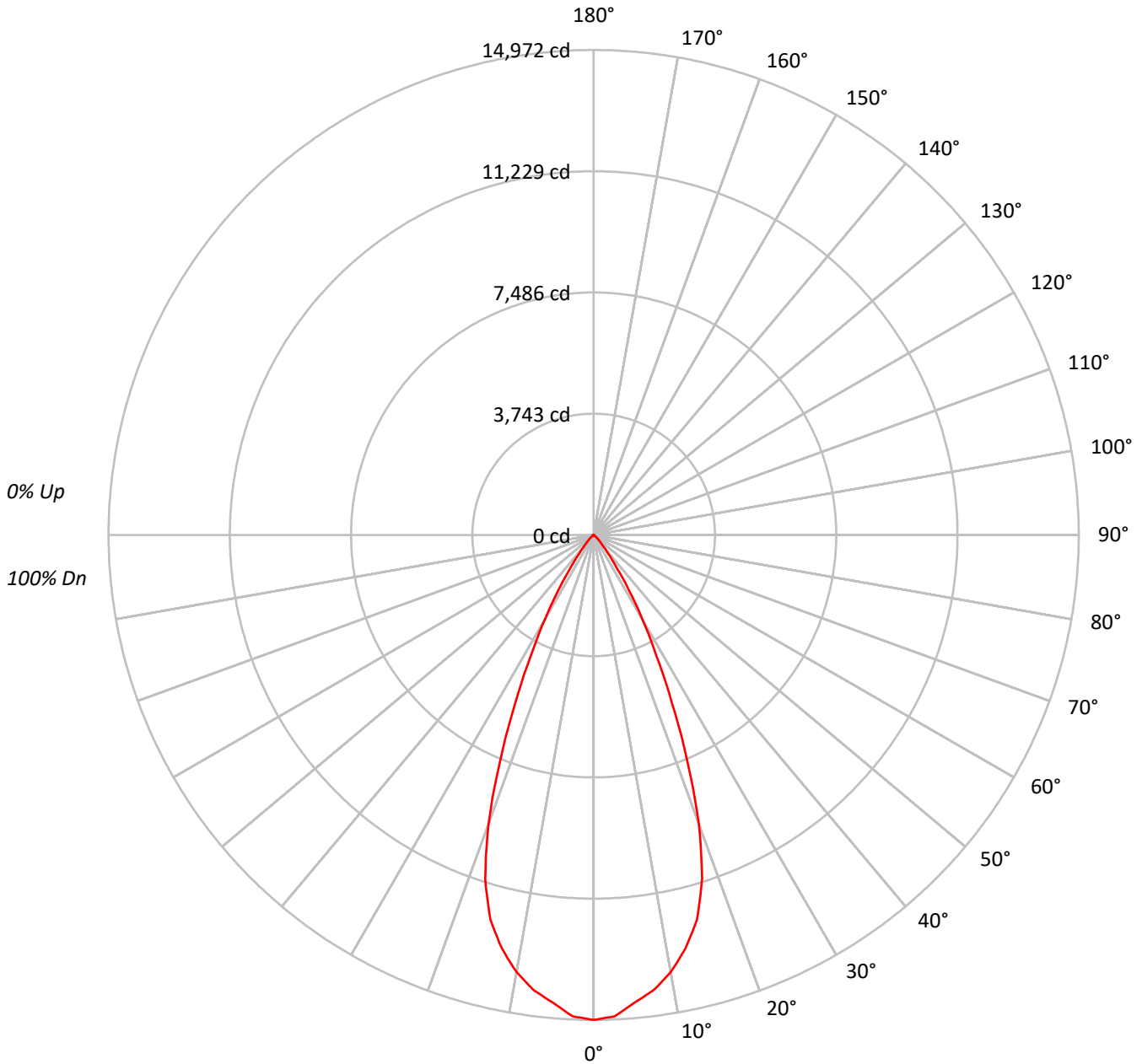
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P772079
CATALOG NUMBER: LD6D80BD010-EU6DR4570959027-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P772079

CATALOG NUMBER: LD6D80BD010-EU6DR4570959027-6LBDP1B

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			100																
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95			95																
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90			90																
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85			85																
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81			81																
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77			77																
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73			73																
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69			69																
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66			66																
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63			63																
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60			60																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1635797
5°	1589214
10°	1520452
15°	1391530
20°	1103964
25°	689218
30°	379878
35°	170570
40°	67179
45°	31661
50°	15009
55°	7848
60°	3868
65°	905
70°	383
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 31661 cd/sqm



TEST NUMBER: P772079

CATALOG NUMBER: LD6D80BD010-EU6DR4570959027-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1361.5	16.1
10°-20°	3350.7	39.6
20°-30°	2653.4	31.3
30°-40°	883.6	10.4
40°-50°	175.4	2.1
50°-60°	39.8	0.5
60°-70°	5.7	0.1
70°-80°	0.2	0.0
80°-90°	0.0	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°	7365.6	87.0
0°-40°	8249.2	97.4
0°-60°	8464.4	99.9
0°-90°	8470.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8470.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14972	
5°	14490	###
15°	12302	3351
25°	5717	2653
35°	1279	884
45°	205	175
55°	41	40
65°	4	6
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P772079

CATALOG NUMBER: LD6D80BD010-EU6DR4570959027-6LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	14971.5
2.5°	14873.7
5°	14489.8
7.5°	14173.1
10°	13704.4
12.5°	13080.3
15°	12301.9
17.5°	11131.5
20°	9494.6
22.5°	7544.6
25°	5717.0
27.5°	4186.2
30°	3011.0
32.5°	2047.8
35°	1278.8
37.5°	758.3
40°	471.0
42.5°	309.7
45°	204.9
47.5°	131.9
50°	88.3
52.5°	58.9
55°	41.2
57.5°	27.1
60°	17.7
62.5°	9.4
65°	3.5
67.5°	1.2
70°	1.2
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)