

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: P772373

Luminaire Tested: LD6D80BD010-EU6DR6070959050-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772373
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-EU6DR6070959050-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

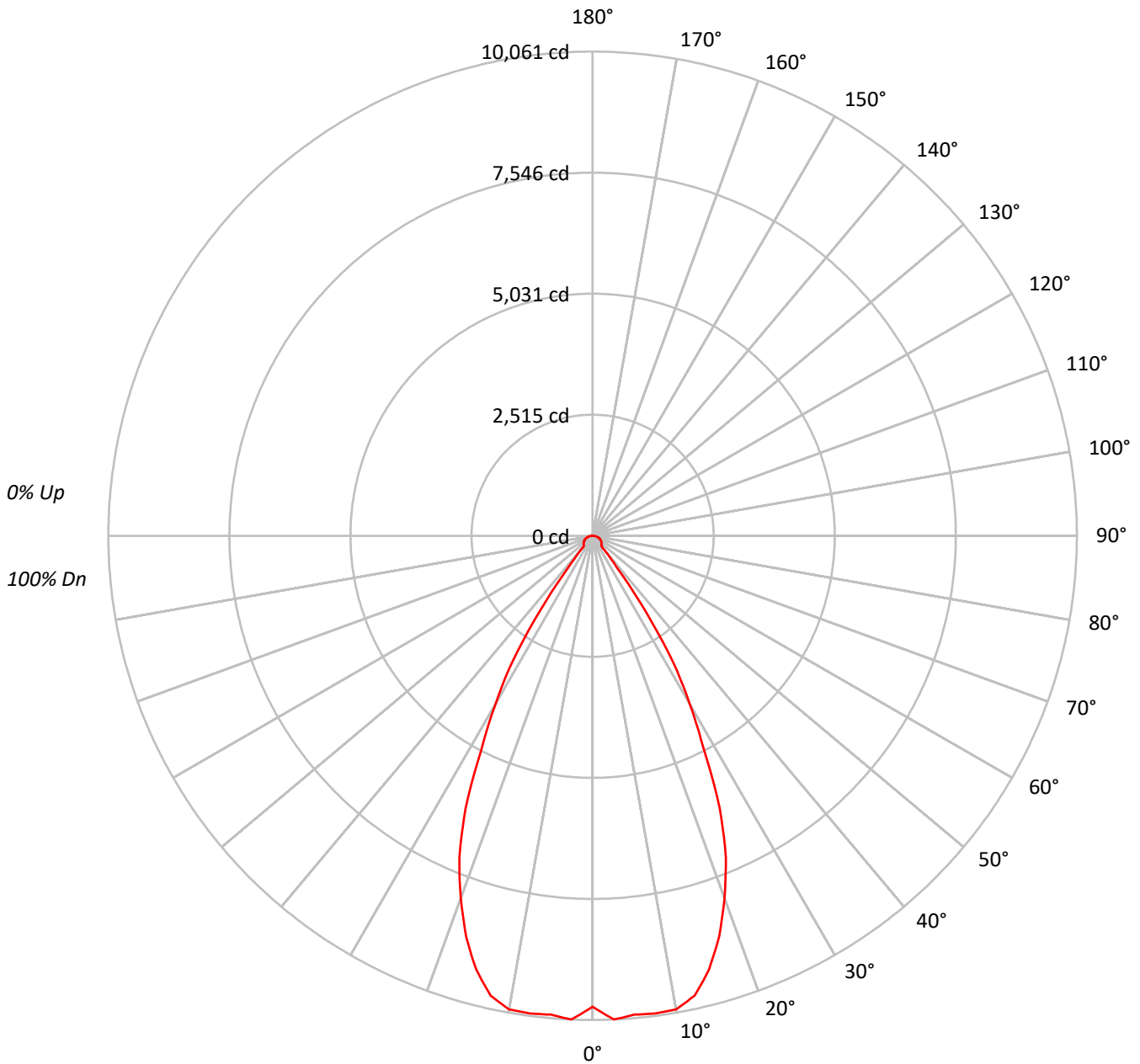
Lumens per Lamp: N/A
Luminaire Lumens: 8239.9 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (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: P772373
CATALOG NUMBER: LD6D80BD010-EU6DR6070959050-6LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P772373

CATALOG NUMBER: LD6D80BD010-EU6DR6070959050-6LBSQW1B

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1069215
5°	1095509
10°	1108742
15°	1056223
20°	931264
25°	753233
30°	509498
35°	255308
40°	41420
45°	40530
50°	41339
55°	41965
60°	43136
65°	44132
70°	45171
75°	45719
80°	44045
85°	36731

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 45719 cd/sqm



TEST NUMBER: P772373

CATALOG NUMBER: LD6D80BD010-EU6DR6070959050-6LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	954.6	11.6
10°-20°	2582.8	31.3
20°-30°	2778.9	33.7
30°-40°	1207.9	14.7
40°-50°	202.9	2.5
50°-60°	197.3	2.4
60°-70°	168.7	2.0
70°-80°	112.9	1.4
80°-90°	33.8	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°	6316.4	76.7
0°-40°	7524.3	91.3
0°-60°	7924.5	96.2
0°-90°	8239.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8239.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9786	
5°	9988	955
15°	9338	2583
25°	6248	2779
35°	1914	1208
45°	262	203
55°	220	197
65°	171	169
75°	108	113
85°	29	34
90°	0	



TEST NUMBER: P772373

CATALOG NUMBER: LD6D80BD010-EU6DR6070959050-6LBSQW1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	9785.9
2.5°	10061.0
5°	9988.4
7.5°	10011.3
10°	9993.5
12.5°	9787.2
15°	9337.6
17.5°	8733.9
20°	8009.3
22.5°	7233.7
25°	6248.0
27.5°	4997.4
30°	4038.4
32.5°	3112.5
35°	1914.1
37.5°	818.9
40°	290.4
42.5°	267.4
45°	262.3
47.5°	253.4
50°	243.2
52.5°	231.8
55°	220.3
57.5°	208.9
60°	197.4
62.5°	184.7
65°	170.7
67.5°	156.6
70°	141.4
72.5°	124.8
75°	108.3
77.5°	89.1
80°	70.0
82.5°	49.7
85°	29.3
87.5°	10.2
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)