

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: P773231

Luminaire Tested: LD6D85BD010-EU6DR6570959050-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773231
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR6570959050-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

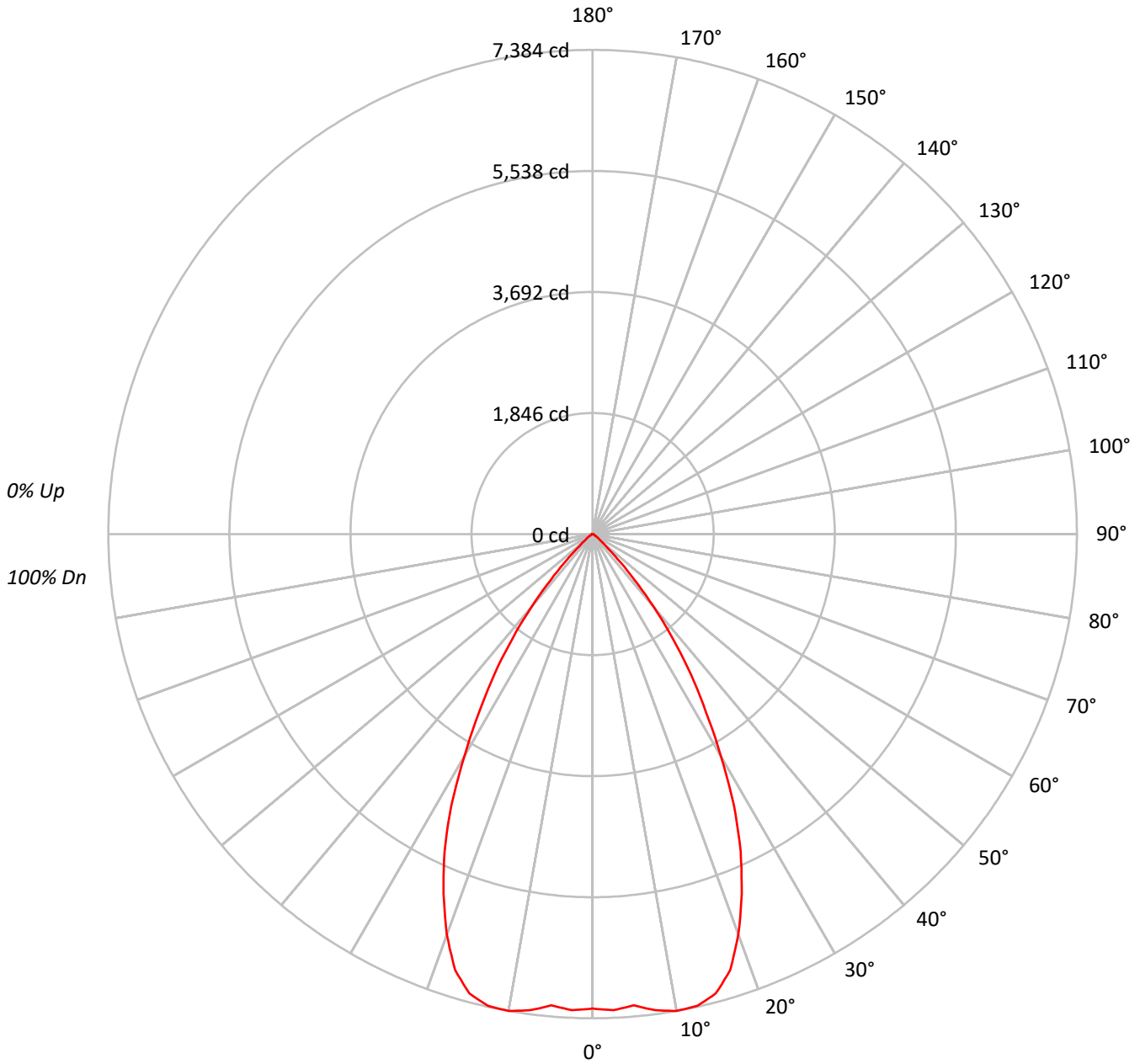
Lumens per Lamp: N/A
Luminaire Lumens: 7350.2 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 87.7
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: P773231
CATALOG NUMBER: LD6D85BD010-EU6DR6570959050-6LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P773231

CATALOG NUMBER: LD6D85BD010-EU6DR6570959050-6LBSQW1B

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																			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	790698
5°	791350
10°	819205
15°	820571
20°	755471
25°	643696
30°	492769
35°	348142
40°	205501
45°	83424
50°	30239
55°	16839
60°	9659
65°	5326
70°	5590
75°	4348
80°	4530
85°	3886

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 83424 cd/sqm



TEST NUMBER: P773231

CATALOG NUMBER: LD6D85BD010-EU6DR6570959050-6LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	696.8	9.5
10°-20°	2010.1	27.3
20°-30°	2411.7	32.8
30°-40°	1620.7	22.1
40°-50°	485.2	6.6
50°-60°	85.6	1.2
60°-70°	24.3	0.3
70°-80°	12.0	0.2
80°-90°	3.8	0.1
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°	5118.6	69.6
0°-40°	6739.4	91.7
0°-60°	7310.2	99.5
0°-90°	7350.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7350.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7237	
5°	7215	697
15°	7254	2010
25°	5339	2412
35°	2610	1621
45°	540	485
55°	88	86
65°	21	24
75°	10	12
85°	3	4
90°	0	



TEST NUMBER: P773231

CATALOG NUMBER: LD6D85BD010-EU6DR6570959050-6LBSQW1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	7236.8
2.5°	7267.6
5°	7215.2
7.5°	7324.2
10°	7383.8
12.5°	7369.4
15°	7254.3
17.5°	6972.5
20°	6497.4
22.5°	5937.9
25°	5339.4
27.5°	4663.8
30°	3905.8
32.5°	3218.9
35°	2610.1
37.5°	2008.4
40°	1440.8
42.5°	941.0
45°	539.9
47.5°	285.9
50°	177.9
52.5°	123.4
55°	88.4
57.5°	63.8
60°	44.2
62.5°	28.8
65°	20.6
67.5°	18.5
70°	17.5
72.5°	13.4
75°	10.3
77.5°	9.3
80°	7.2
82.5°	5.1
85°	3.1
87.5°	2.1
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)