

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: P773156

Luminaire Tested: LD6D85BD010-EU6DR6570959024-6LBCSSQMMS

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773156  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D85BD010-EU6DR6570959024-6LBCSSQMMMS  
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

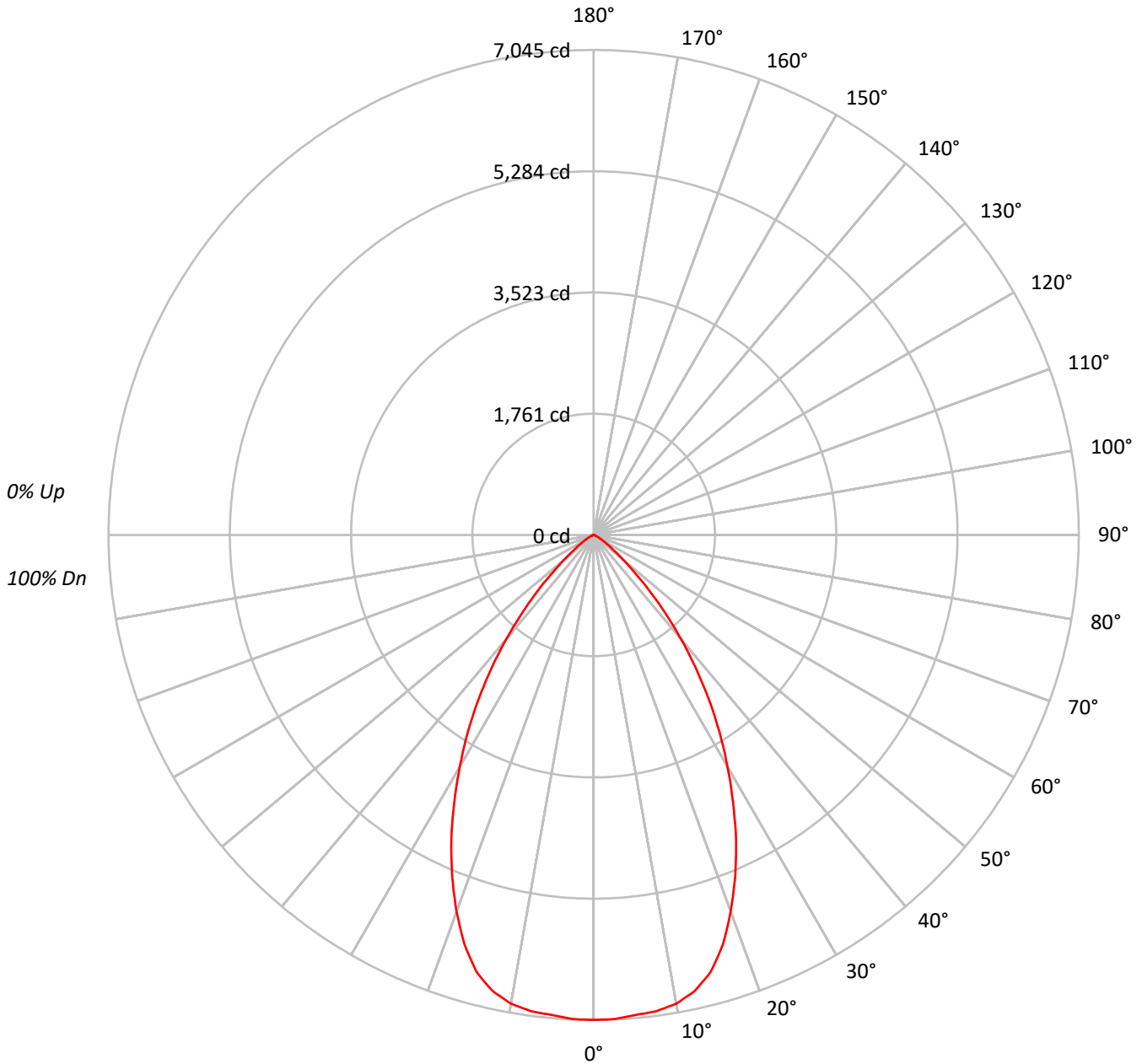
Lumens per Lamp: N/A  
Luminaire Lumens: 7758.6 lumens  
Efficiency: N/A  
Efficacy: 88.5 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 87.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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: P773156

CATALOG NUMBER: LD6D85BD010-EU6DR6570959024-6LBCSSQMMS

### Luminous Intensity Polar Plot





TEST NUMBER: P773156  
 CATALOG NUMBER: LD6D85BD010-EU6DR6570959024-6LBCSSQMMS

**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	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	411432
5°	410389
10°	410040
15°	397401
20°	361787
25°	315274
30°	262216
35°	207769
40°	149958
45°	94737
50°	49383
55°	26250
60°	13783
65°	7587
70°	3176
75°	3498
80°	2422
85°	2077

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 94737 cd/sqm



TEST NUMBER: P773156

CATALOG NUMBER: LD6D85BD010-EU6DR6570959024-6LBCSSQMMS

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	666.2	8.6
10°-20°	1824.3	23.5
20°-30°	2229.9	28.7
30°-40°	1809.3	23.3
40°-50°	901.6	11.6
50°-60°	251.5	3.2
60°-70°	57.2	0.7
70°-80°	14.9	0.2
80°-90°	3.8	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°	4720.4	60.8
0°-40°	6529.7	84.2
0°-60°	7682.7	99.0
0°-90°	7758.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7758.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7045	
5°	7000	666
15°	6572	1824
25°	4892	2230
35°	2914	1809
45°	1147	902
55°	258	251
65°	55	57
75°	16	15
85°	3	4
90°	0	



TEST NUMBER: P773156

CATALOG NUMBER: LD6D85BD010-EU6DR6570959024-6LBCSSQMMS

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7044.6
2.5°	7039.4
5°	7000.0
7.5°	6977.3
10°	6914.1
12.5°	6785.8
15°	6572.5
17.5°	6239.2
20°	5821.0
22.5°	5369.6
25°	4892.4
27.5°	4382.0
30°	3888.2
32.5°	3400.6
35°	2914.1
37.5°	2428.6
40°	1966.9
42.5°	1534.2
45°	1147.0
47.5°	799.2
50°	543.5
52.5°	374.7
55°	257.8
57.5°	173.9
60°	118.0
62.5°	81.8
65°	54.9
67.5°	28.0
70°	18.6
72.5°	17.6
75°	15.5
77.5°	10.4
80°	7.2
82.5°	5.2
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)