

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: P773101

Luminaire Tested: LD6D85BD010-EU6DR6070959027-6LBSQW1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773101  
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: LD6D85BD010-EU6DR6070959027-6LBSQW1B  
Description: 6 INCH SQAURE 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: 7992.4 lumens  
Efficiency: N/A  
Efficacy: 91.1 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

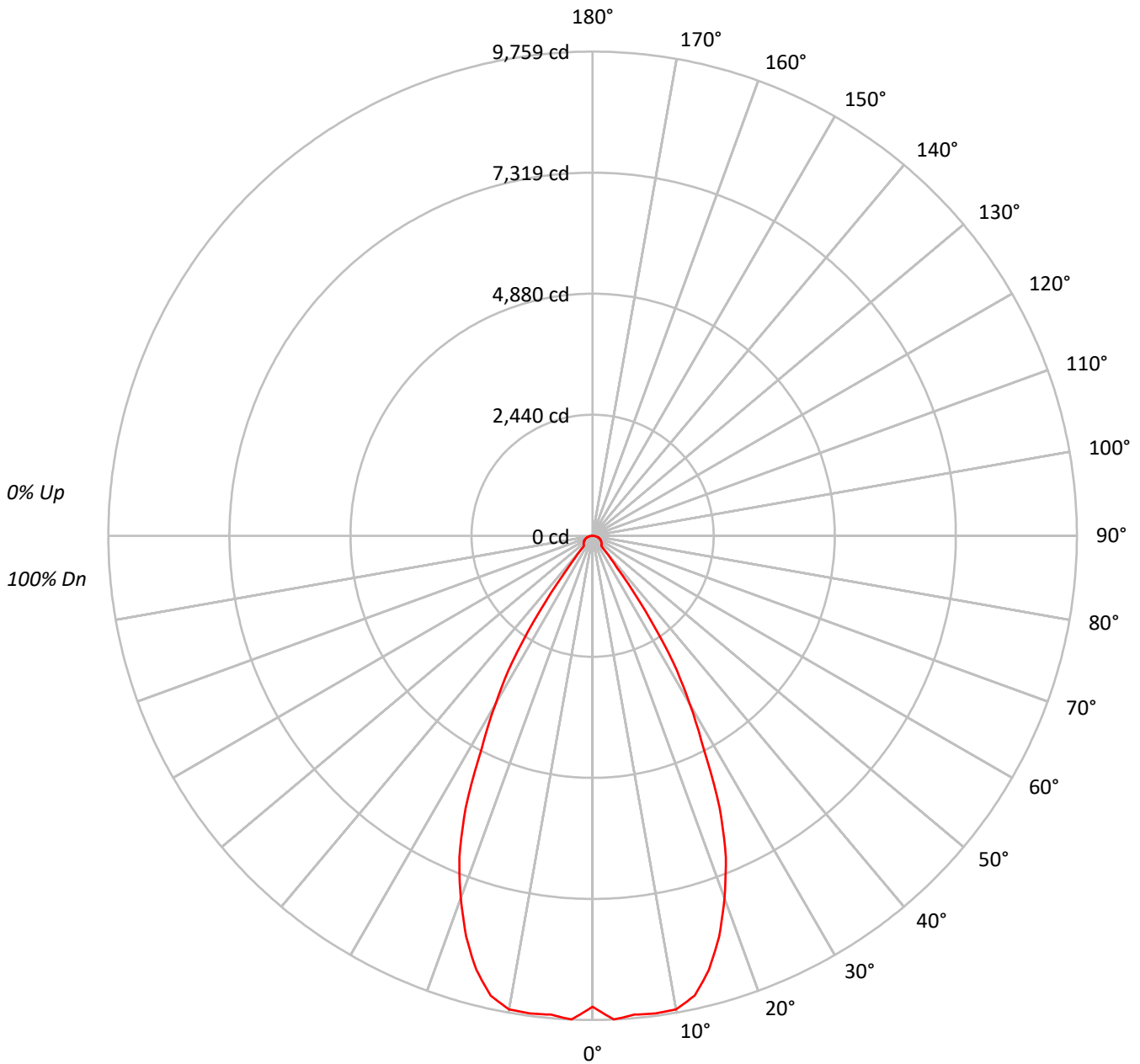
Input Watts (W): 87.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P773101

CATALOG NUMBER: LD6D85BD010-EU6DR6070959027-6LBSQW1B

### Luminous Intensity Polar Plot





TEST NUMBER: P773101  
 CATALOG NUMBER: LD6D85BD010-EU6DR6070959027-6LBSQW1B

**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	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°	1037103
5°	1062616
10°	1075447
15°	1024506
20°	903301
25°	730617
30°	494195
35°	247652
40°	40165
45°	39325
50°	40098
55°	40708
60°	41847
65°	42787
70°	43798
75°	44326
80°	42723
85°	35603

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 44326 cd/sqm



TEST NUMBER: P773101

CATALOG NUMBER: LD6D85BD010-EU6DR6070959027-6LBSQW1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	926.0	11.6
10°-20°	2505.3	31.3
20°-30°	2695.5	33.7
30°-40°	1171.7	14.7
40°-50°	196.8	2.5
50°-60°	191.3	2.4
60°-70°	163.6	2.0
70°-80°	109.5	1.4
80°-90°	32.8	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°	6126.7	76.7
0°-40°	7298.4	91.3
0°-60°	7686.5	96.2
0°-90°	7992.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7992.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9492	
5°	9688	926
15°	9057	2505
25°	6060	2695
35°	1857	1172
45°	254	197
55°	214	191
65°	166	164
75°	105	110
85°	28	33
90°	0	



TEST NUMBER: P773101

CATALOG NUMBER: LD6D85BD010-EU6DR6070959027-6LBSQW1B

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9492.0
2.5°	9758.9
5°	9688.5
7.5°	9710.7
10°	9693.4
12.5°	9493.3
15°	9057.2
17.5°	8471.7
20°	7768.8
22.5°	7016.5
25°	6060.4
27.5°	4847.3
30°	3917.1
32.5°	3019.1
35°	1856.7
37.5°	794.3
40°	281.6
42.5°	259.4
45°	254.5
47.5°	245.8
50°	235.9
52.5°	224.8
55°	213.7
57.5°	202.6
60°	191.5
62.5°	179.1
65°	165.5
67.5°	151.9
70°	137.1
72.5°	121.1
75°	105.0
77.5°	86.5
80°	67.9
82.5°	48.2
85°	28.4
87.5°	9.9
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)