

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: P774076

Luminaire Tested: LD6D90BD010-EU6DR7070959040-6LBSQW1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P774076  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D90BD010-EU6DR7070959040-6LBSQW1B  
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

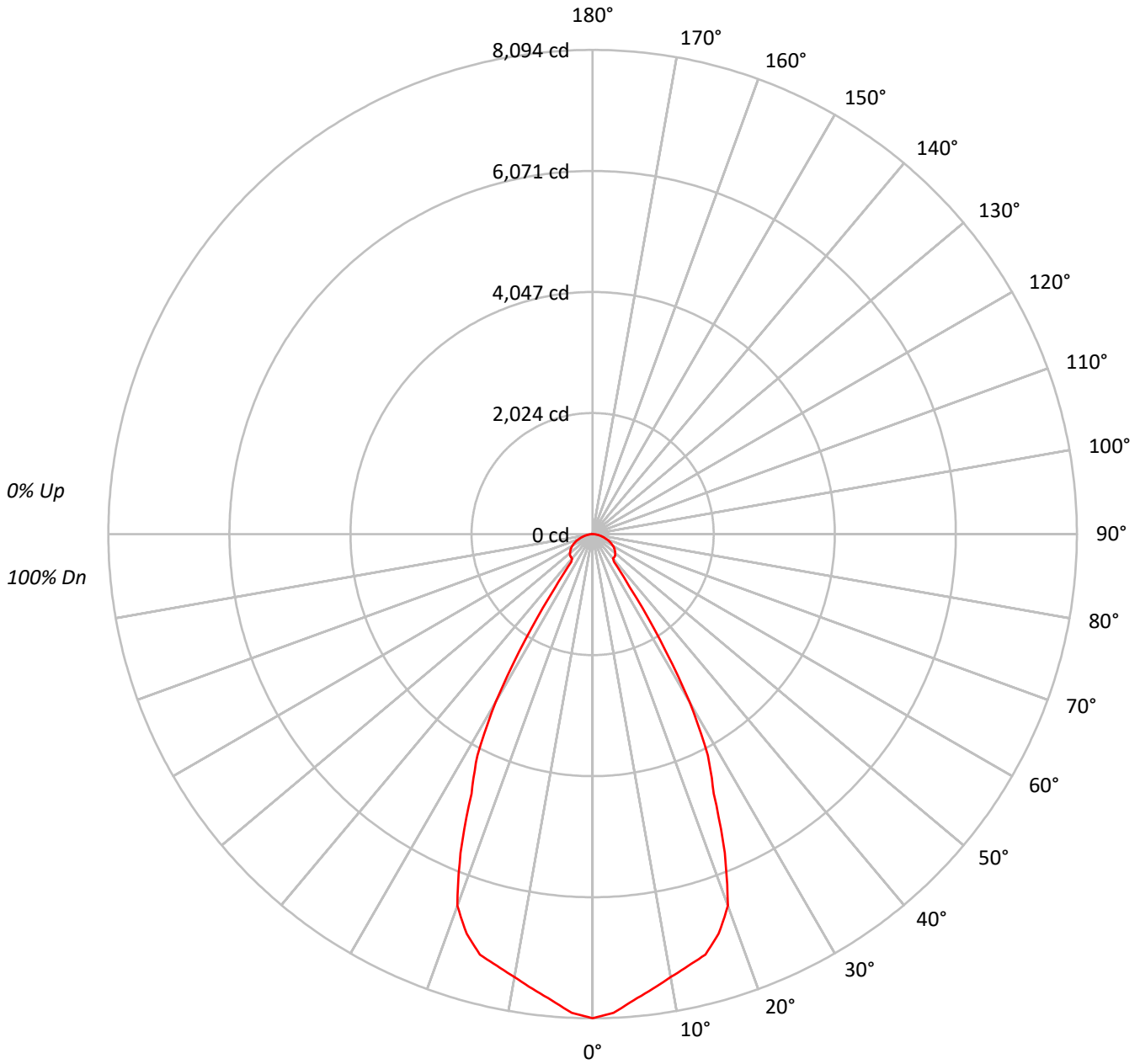
Lumens per Lamp: N/A  
Luminaire Lumens: 7199.3 lumens  
Efficiency: N/A  
Efficacy: 72.8 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 98.9  
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: P774076  
CATALOG NUMBER: LD6D90BD010-EU6DR7070959040-6LBSQW1B

### Luminous Intensity Polar Plot





TEST NUMBER: P774076

CATALOG NUMBER: LD6D90BD010-EU6DR7070959040-6LBSQW1B

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20			
RC	80				70				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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76		
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70		
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65		
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61		
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57		
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53		
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50		
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48		

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

	0°
0°	884367
5°	858089
10°	834172
15°	823229
20°	768726
25°	577499
30°	408240
35°	144614
40°	76036
45°	80983
50°	83868
55°	85435
60°	85966
65°	84152
70°	79417
75°	73581
80°	65312
85°	53028

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 85997 cd/sqm



TEST NUMBER: P774076

CATALOG NUMBER: LD6D90BD010-EU6DR7070959040-6LBSQW1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	737.9	10.3
10°-20°	2024.1	28.1
20°-30°	2229.3	31.0
30°-40°	851.8	11.8
40°-50°	402.2	5.6
50°-60°	399.8	5.6
60°-70°	320.1	4.4
70°-80°	184.0	2.6
80°-90°	50.0	0.7
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°	4991.4	69.3
0°-40°	5843.2	81.2
0°-60°	6645.2	92.3
0°-90°	7199.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7199.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8094	
5°	7824	738
15°	7278	2024
25°	4790	2229
35°	1084	852
45°	524	402
55°	448	400
65°	326	320
75°	174	184
85°	42	50
90°	0	



TEST NUMBER: P774076

CATALOG NUMBER: LD6D90BD010-EU6DR7070959040-6LBSQW1B

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8094.1
2.5°	8009.5
5°	7823.7
7.5°	7668.6
10°	7518.7
12.5°	7391.8
15°	7277.8
17.5°	7002.2
20°	6611.4
22.5°	5768.1
25°	4790.3
27.5°	4170.1
30°	3235.8
32.5°	2090.2
35°	1084.2
37.5°	585.7
40°	533.1
42.5°	529.3
45°	524.1
47.5°	512.6
50°	493.4
52.5°	471.6
55°	448.5
57.5°	422.9
60°	393.4
62.5°	360.1
65°	325.5
67.5°	287.1
70°	248.6
72.5°	210.2
75°	174.3
77.5°	137.1
80°	103.8
82.5°	73.0
85°	42.3
87.5°	16.7
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)