

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: P774070

Luminaire Tested: LD6D90BD010-EU6DR7070959040-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P774070  
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-EU6DR7070959040-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

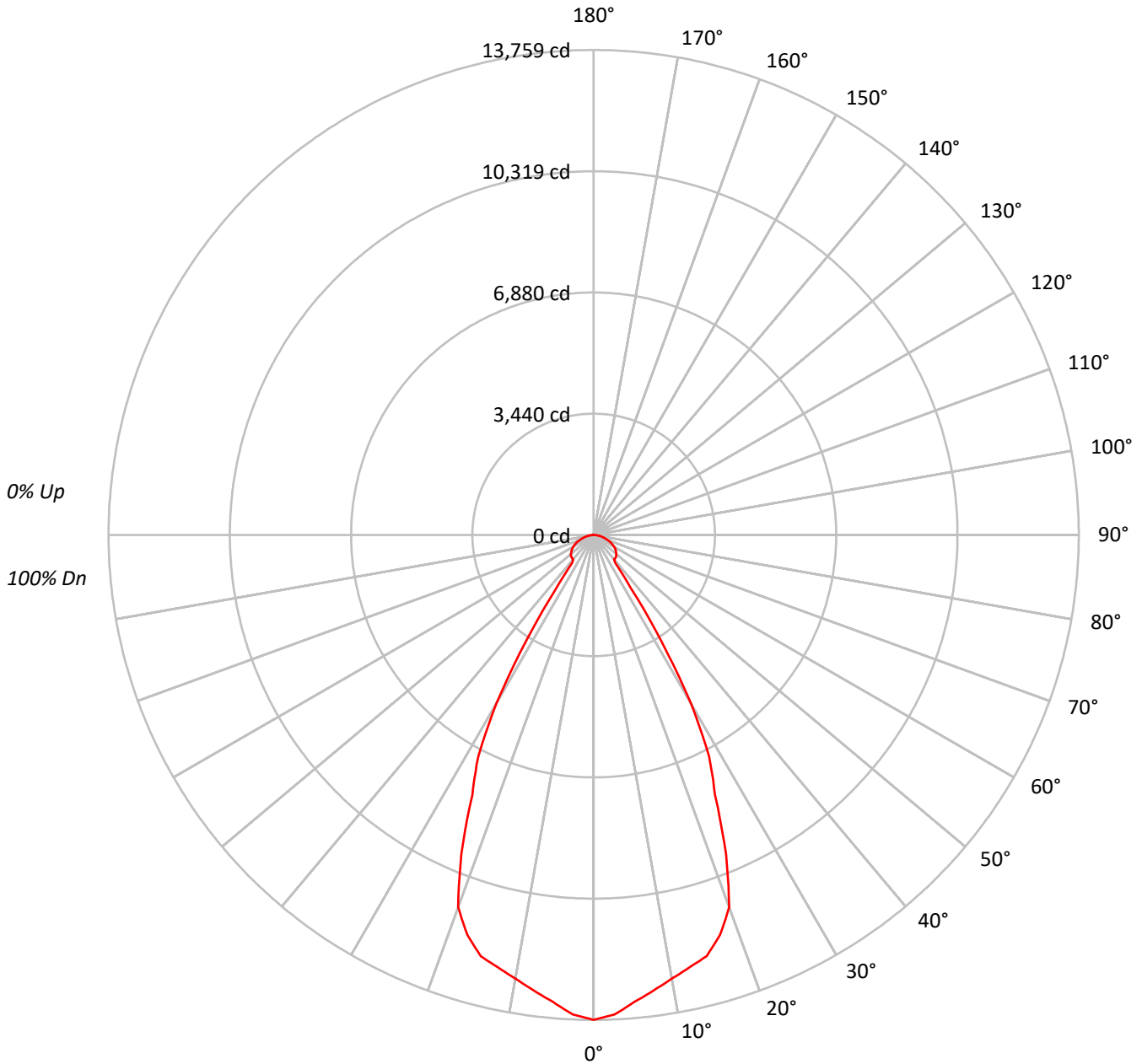
Lumens per Lamp: N/A  
Luminaire Lumens: 12237.9 lumens  
Efficiency: N/A  
Efficacy: 123.7 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 98.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



Downlight

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### Luminous Intensity Polar Plot





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**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	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°	1503297
5°	1458631
10°	1417971
15°	1399369
20°	1306721
25°	981675
30°	693962
35°	245811
40°	129251
45°	137676
50°	142562
55°	145230
60°	146147
65°	143046
70°	135003
75°	125083
80°	111055
85°	90136

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 146189 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1254.4	10.3
10°-20°	3440.8	28.1
20°-30°	3789.5	31.0
30°-40°	1447.9	11.8
40°-50°	683.7	5.6
50°-60°	679.7	5.6
60°-70°	544.2	4.4
70°-80°	312.8	2.6
80°-90°	85.0	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°	8484.7	69.3
0°-40°	9932.5	81.2
0°-60°	11295.9	92.3
0°-90°	12237.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12237.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13759	
5°	13299	###
15°	12371	3441
25°	8143	3790
35°	1843	1448
45°	891	684
55°	762	680
65°	553	544
75°	296	313
85°	72	85
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	13758.8
2.5°	13615.0
5°	13299.2
7.5°	13035.6
10°	12780.7
12.5°	12565.0
15°	12371.2
17.5°	11902.8
20°	11238.4
22.5°	9805.0
25°	8142.9
27.5°	7088.5
30°	5500.5
32.5°	3553.0
35°	1842.9
37.5°	995.5
40°	906.2
42.5°	899.7
45°	891.0
47.5°	871.4
50°	838.7
52.5°	801.7
55°	762.4
57.5°	718.9
60°	668.8
62.5°	612.1
65°	553.3
67.5°	488.0
70°	422.6
72.5°	357.3
75°	296.3
77.5°	233.1
80°	176.5
82.5°	124.2
85°	71.9
87.5°	28.3
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

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— 0°-180°

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(END OF REPORT)