

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: P773695

Luminaire Tested: LD6D90BD010-EU6DR4570959050-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773695  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D90BD010-EU6DR4570959050-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 45° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11741.2 lumens  
Efficiency: N/A  
Efficacy: 118.7 lumens/watt  
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69  
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

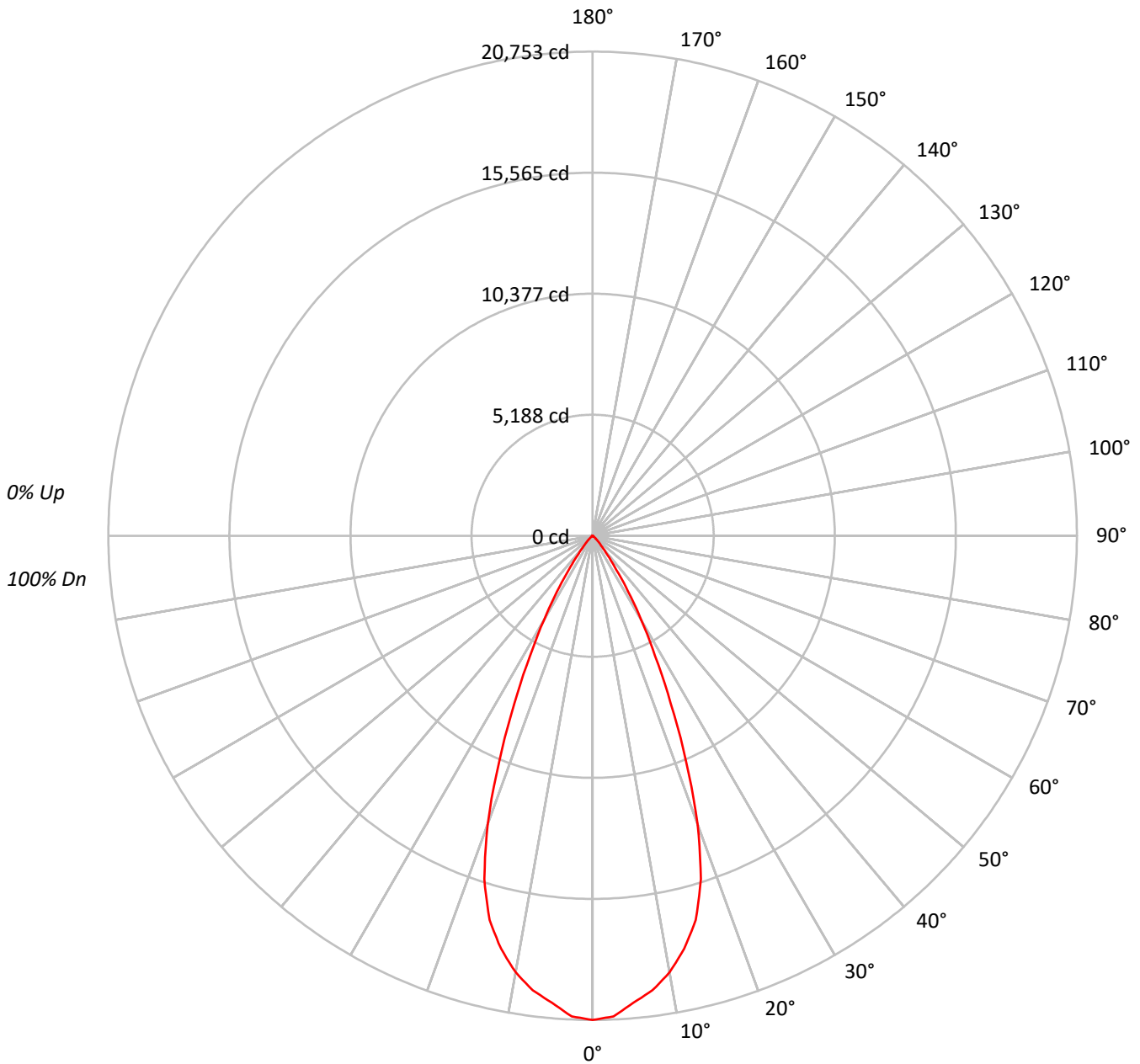


Downlight

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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95			95
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90			90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85			85
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81			81
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77			77
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73			73
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69			69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66			66
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63			63
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60			60

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

	0°
0°	2267478
5°	2202918
10°	2107591
15°	1928895
20°	1530279
25°	955369
30°	526581
35°	236448
40°	93123
45°	43883
50°	20805
55°	10877
60°	5354
65°	1267
70°	511
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 43883 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1887.2	16.1
10°-20°	4644.6	39.6
20°-30°	3678.1	31.3
30°-40°	1224.8	10.4
40°-50°	243.1	2.1
50°-60°	55.2	0.5
60°-70°	8.0	0.1
70°-80°	0.2	0.0
80°-90°	0.0	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°	10209.9	87.0
0°-40°	11434.8	97.4
0°-60°	11733.0	99.9
0°-90°	11741.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11741.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	20753	
5°	20085	###
15°	17052	4645
25°	7925	3678
35°	1773	1225
45°	284	243
55°	57	55
65°	5	8
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	20752.9
2.5°	20617.4
5°	20085.3
7.5°	19646.2
10°	18996.5
12.5°	18131.4
15°	17052.5
17.5°	15430.0
20°	13161.1
22.5°	10458.0
25°	7924.7
27.5°	5802.8
30°	4173.8
32.5°	2838.5
35°	1772.7
37.5°	1051.2
40°	652.9
42.5°	429.3
45°	284.0
47.5°	182.8
50°	122.4
52.5°	81.6
55°	57.1
57.5°	37.5
60°	24.5
62.5°	13.1
65°	4.9
67.5°	1.6
70°	1.6
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)