

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P773656

Luminaire Tested: LD6D90BD010-EU6DR4570959030-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773656  
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-EU6DR4570959030-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 45° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11021.1 lumens  
Efficiency: N/A  
Efficacy: 111.4 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

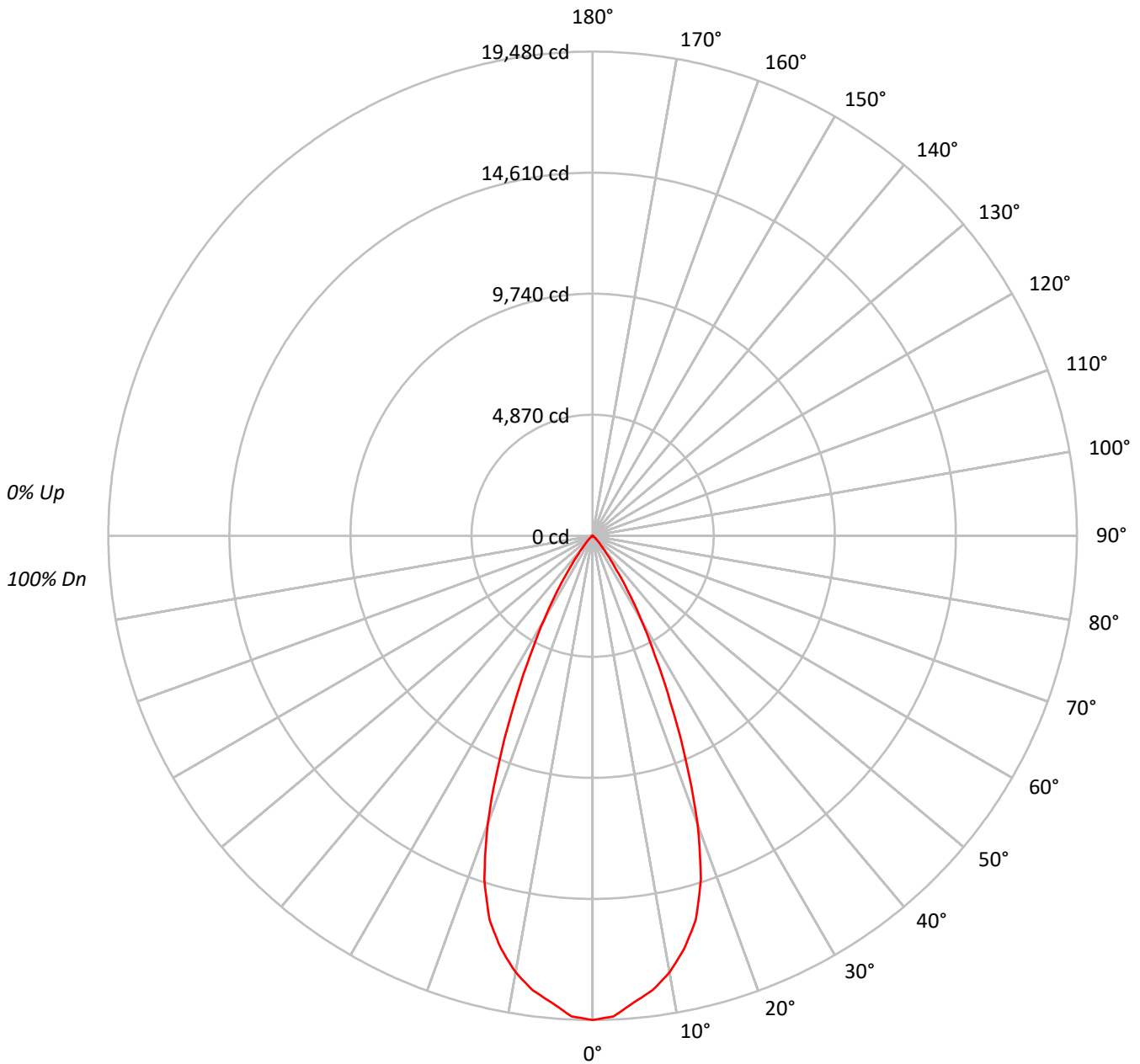


Downlight

TEST NUMBER: P773656

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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	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°	2128421
5°	2067816
10°	1978339
15°	1810599
20°	1436435
25°	896779
30°	494283
35°	221936
40°	87418
45°	41195
50°	19531
55°	10210
60°	5026
65°	1189
70°	479
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 41195 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1771.5	16.1
10°-20°	4359.8	39.6
20°-30°	3452.5	31.3
30°-40°	1149.7	10.4
40°-50°	228.2	2.1
50°-60°	51.8	0.5
60°-70°	7.5	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°	9583.8	87.0
0°-40°	10733.5	97.4
0°-60°	11013.5	99.9
0°-90°	11021.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11021.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	19480	
5°	18854	###
15°	16007	4360
25°	7439	3453
35°	1664	1150
45°	267	228
55°	54	52
65°	5	7
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	19480.2
2.5°	19353.0
5°	18853.5
7.5°	18441.3
10°	17831.5
12.5°	17019.5
15°	16006.7
17.5°	14483.7
20°	12354.0
22.5°	9816.7
25°	7438.7
27.5°	5446.9
30°	3917.8
32.5°	2664.5
35°	1663.9
37.5°	986.7
40°	612.9
42.5°	403.0
45°	266.6
47.5°	171.6
50°	114.9
52.5°	76.6
55°	53.6
57.5°	35.2
60°	23.0
62.5°	12.3
65°	4.6
67.5°	1.5
70°	1.5
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

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)