

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: P766512

Luminaire Tested: LD6D45BD010-EU6DR3540509050-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P766512  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D45BD010-EU6DR3540509050-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 35° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4801.6 lumens  
Efficiency: N/A  
Efficacy: 124.1 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

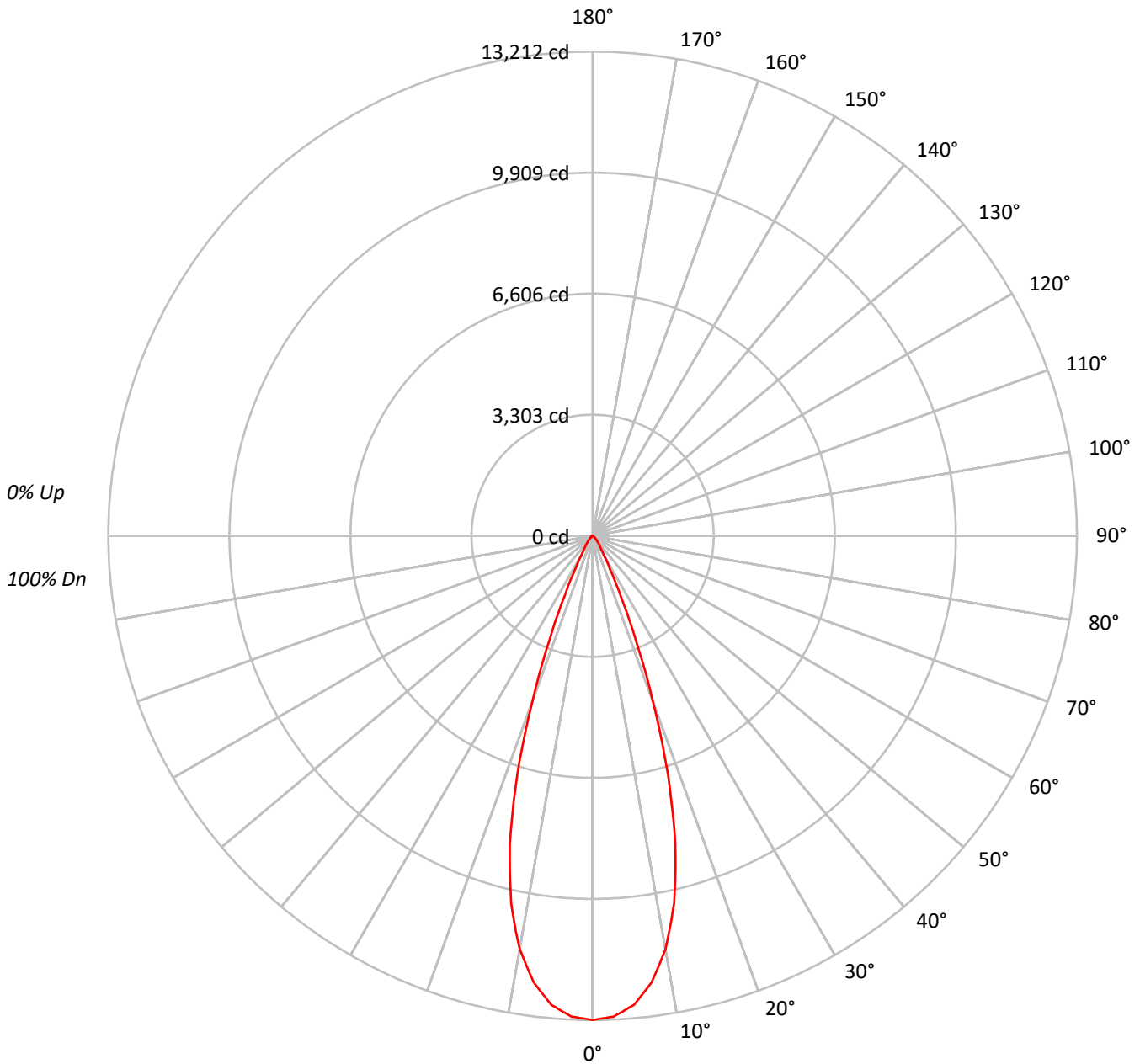
Input Watts (W): 38.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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			
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96			
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92			
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88			
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84			
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81			
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78			
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75			
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72			
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70			
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68			

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

	0°
0°	1443509
5°	1409594
10°	1270413
15°	986047
20°	559272
25°	217579
30°	81174
35°	44496
40°	29082
45°	17708
50°	11270
55°	7962
60°	5835
65°	3154
70°	224
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 17708 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1182.0	24.6
10°-20°	2307.8	48.1
20°-30°	941.2	19.6
30°-40°	225.2	4.7
40°-50°	93.9	2.0
50°-60°	38.9	0.8
60°-70°	12.2	0.3
70°-80°	0.3	0.0
80°-90°	0.2	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°	4431.0	92.3
0°-40°	4656.2	97.0
0°-60°	4789.0	99.7
0°-90°	4801.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4801.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13212	
5°	12852	###
15°	8717	2308
25°	1805	941
35°	334	225
45°	115	94
55°	42	39
65°	12	12
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	13211.6
2.5°	13132.4
5°	12852.1
7.5°	12293.0
10°	11450.7
12.5°	10264.8
15°	8717.2
17.5°	6824.5
20°	4810.0
22.5°	3067.1
25°	1804.8
27.5°	1020.2
30°	643.4
32.5°	451.7
35°	333.6
37.5°	257.9
40°	203.9
42.5°	157.1
45°	114.6
47.5°	85.7
50°	66.3
52.5°	52.6
55°	41.8
57.5°	33.9
60°	26.7
62.5°	19.5
65°	12.2
67.5°	4.3
70°	0.7
72.5°	0.7
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.7
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)