

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: P750892

Luminaire Tested: LD4D60D010-EU4DR4555659027-4LBCSSQMB

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P750892  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D60D010-EU4DR4555659027-4LBCSSQMB  
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 45° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

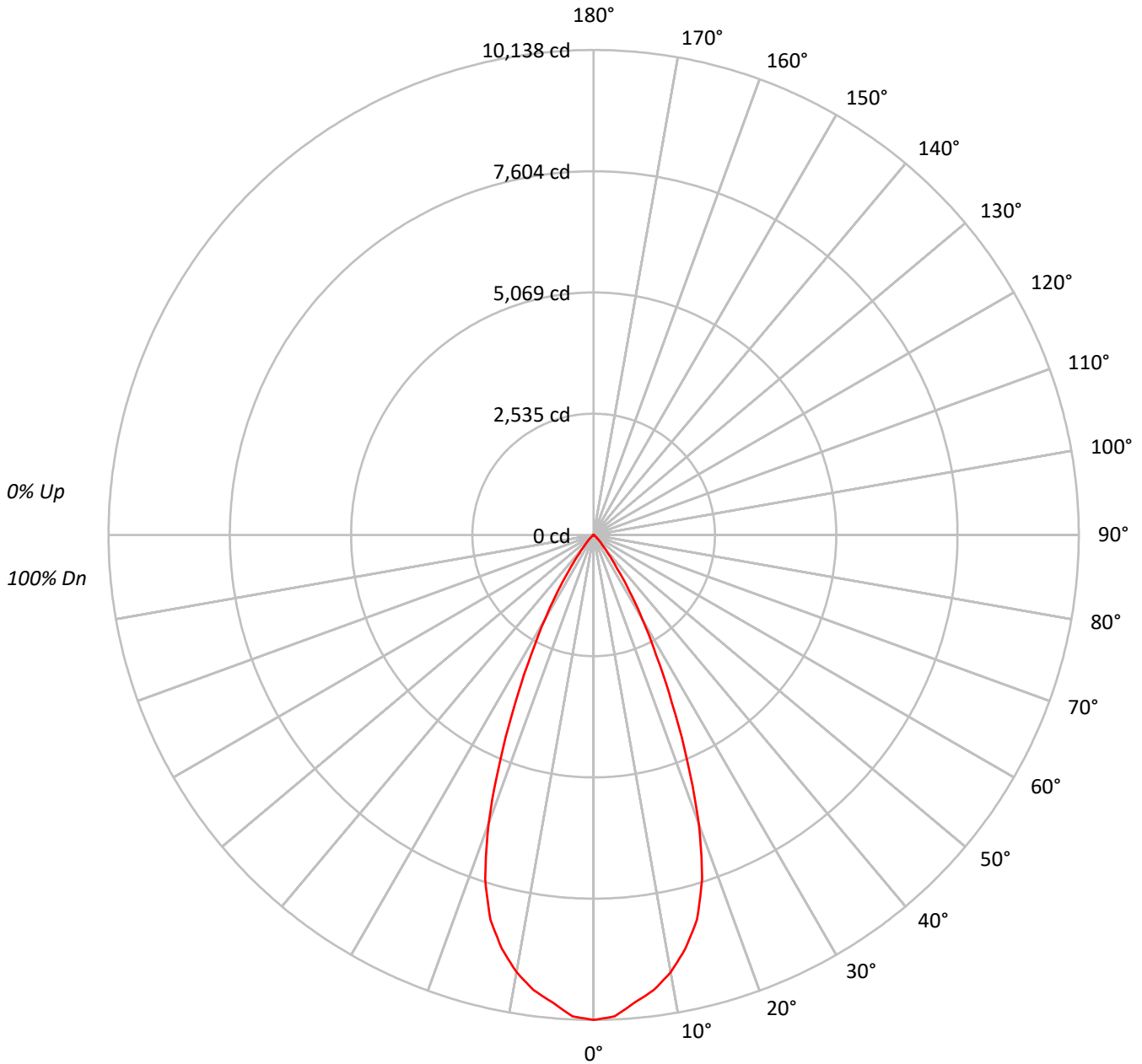
Lumens per Lamp: N/A  
Luminaire Lumens: 5736.0 lumens  
Efficiency: N/A  
Efficacy: 89.1 lumens/watt  
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 64.4  
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			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°	1107740
5°	1076195
10°	1029626
15°	942328
20°	747588
25°	466732
30°	257247
35°	115509
40°	45499
45°	21447
50°	10165
55°	5315
60°	2622
65°	620
70°	256
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 21447 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	922.0	16.1
10°-20°	2269.1	39.6
20°-30°	1796.9	31.3
30°-40°	598.4	10.4
40°-50°	118.8	2.1
50°-60°	27.0	0.5
60°-70°	3.9	0.1
70°-80°	0.1	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°	4987.9	87.0
0°-40°	5586.2	97.4
0°-60°	5732.0	99.9
0°-90°	5736.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5736.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10138	
5°	9812	922
15°	8331	2269
25°	3872	1797
35°	866	598
45°	139	119
55°	28	27
65°	2	4
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	10138.5
2.5°	10072.3
5°	9812.3
7.5°	9597.8
10°	9280.4
12.5°	8857.8
15°	8330.7
17.5°	7538.1
20°	6429.6
22.5°	5109.1
25°	3871.5
27.5°	2834.8
30°	2039.0
32.5°	1386.7
35°	866.0
37.5°	513.5
40°	319.0
42.5°	209.7
45°	138.8
47.5°	89.3
50°	59.8
52.5°	39.9
55°	27.9
57.5°	18.3
60°	12.0
62.5°	6.4
65°	2.4
67.5°	0.8
70°	0.8
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)