

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: P751956

Luminaire Tested: LD4D65D010-EU4DR6055659040-4LBSQW1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P751956  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D65D010-EU4DR6055659040-4LBSQW1B  
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5632.7 lumens  
Efficiency: N/A  
Efficacy: 77.4 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

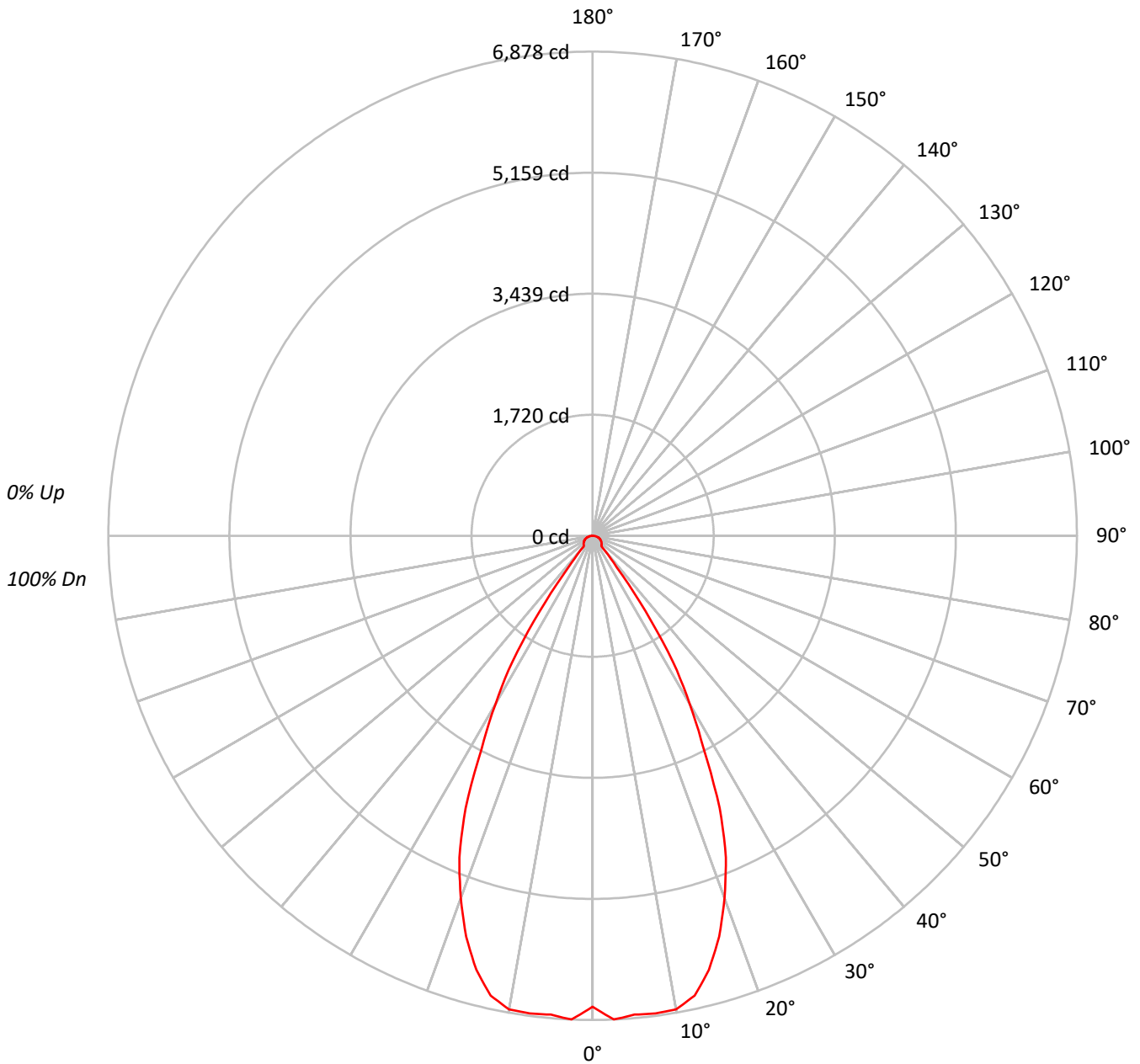
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

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

	0°
0°	730911
5°	748882
10°	757929
15°	722025
20°	636606
25°	514906
30°	348287
35°	174531
40°	28312
45°	27705
50°	28268
55°	28688
60°	29479
65°	30171
70°	30860
75°	31239
80°	30139
85°	25073

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 31239 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	652.6	11.6
10°-20°	1765.6	31.3
20°-30°	1899.7	33.7
30°-40°	825.7	14.7
40°-50°	138.7	2.5
50°-60°	134.8	2.4
60°-70°	115.3	2.0
70°-80°	77.2	1.4
80°-90°	23.1	0.4
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°	4317.8	76.7
0°-40°	5143.6	91.3
0°-60°	5417.1	96.2
0°-90°	5632.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5632.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6690	
5°	6828	653
15°	6383	1766
25°	4271	1900
35°	1308	826
45°	179	139
55°	151	135
65°	117	115
75°	74	77
85°	20	23
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6689.6
2.5°	6877.6
5°	6828.0
7.5°	6843.7
10°	6831.5
12.5°	6690.5
15°	6383.1
17.5°	5970.5
20°	5475.1
22.5°	4944.9
25°	4271.1
27.5°	3416.2
30°	2760.6
32.5°	2127.7
35°	1308.5
37.5°	559.8
40°	198.5
42.5°	182.8
45°	179.3
47.5°	173.2
50°	166.3
52.5°	158.4
55°	150.6
57.5°	142.8
60°	134.9
62.5°	126.2
65°	116.7
67.5°	107.1
70°	96.6
72.5°	85.3
75°	74.0
77.5°	60.9
80°	47.9
82.5°	34.0
85°	20.0
87.5°	7.0
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)