

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: P751930

Luminaire Tested: LD4D65D010-EU4DR6055659030-4LBSQW1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P751930  
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-EU4DR6055659030-4LBSQW1B  
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5325.1 lumens  
Efficiency: N/A  
Efficacy: 73.1 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

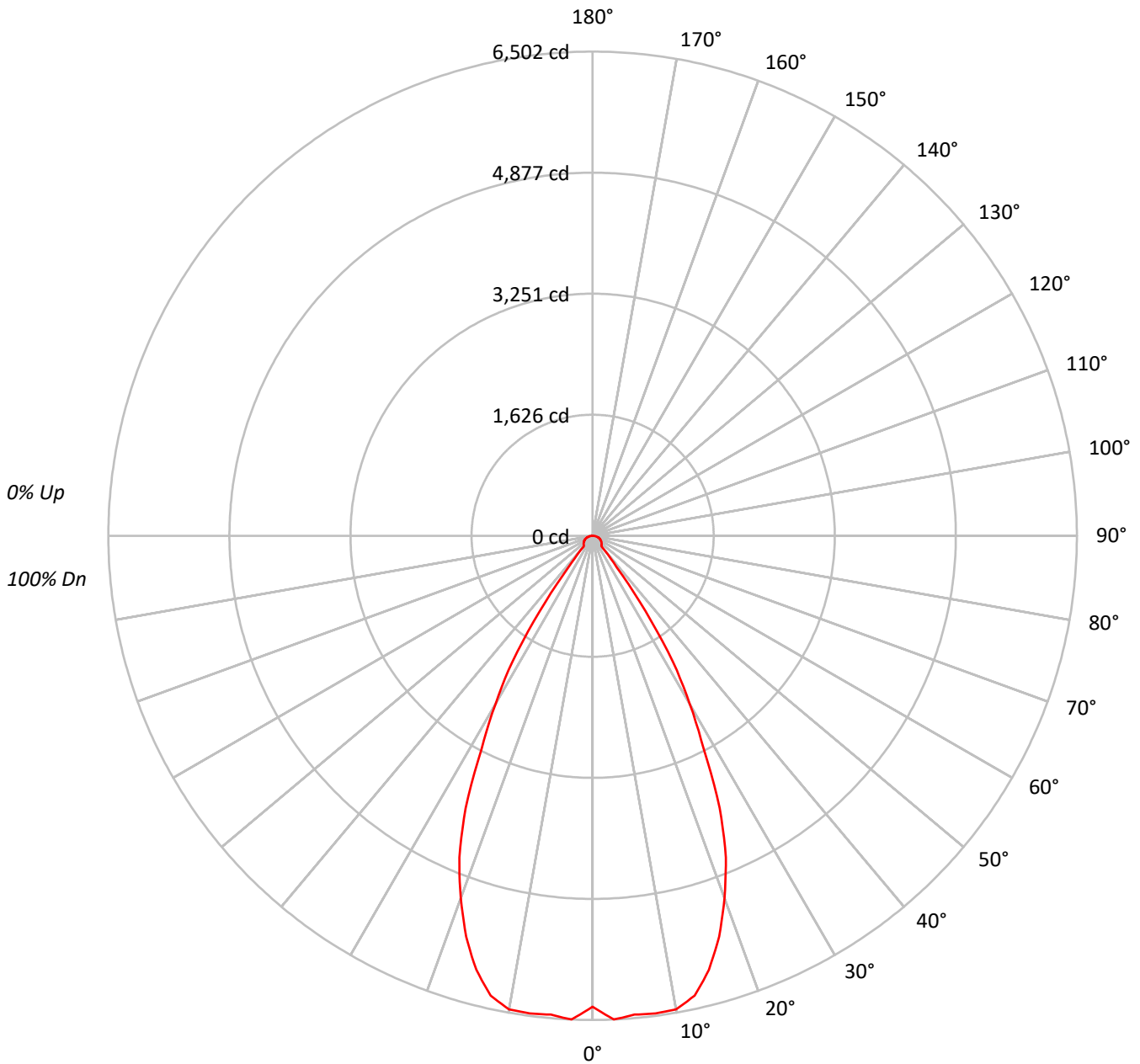
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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	0																
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°	690987
5°	707972
10°	716524
15°	682593
20°	601840
25°	486781
30°	329261
35°	164994
40°	26772
45°	26191
50°	26721
55°	27126
60°	27883
65°	28516
70°	29198
75°	29551
80°	28503
85°	23694

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 29551 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	616.9	11.6
10°-20°	1669.2	31.3
20°-30°	1795.9	33.7
30°-40°	780.6	14.7
40°-50°	131.1	2.5
50°-60°	127.5	2.4
60°-70°	109.0	2.0
70°-80°	73.0	1.4
80°-90°	21.8	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°	4082.0	76.7
0°-40°	4862.6	91.3
0°-60°	5121.2	96.2
0°-90°	5325.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5325.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6324	
5°	6455	617
15°	6034	1669
25°	4038	1796
35°	1237	781
45°	170	131
55°	142	128
65°	110	109
75°	70	73
85°	19	22
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6324.2
2.5°	6502.0
5°	6455.0
7.5°	6469.9
10°	6458.3
12.5°	6325.0
15°	6034.5
17.5°	5644.4
20°	5176.1
22.5°	4674.8
25°	4037.8
27.5°	3229.6
30°	2609.8
32.5°	2011.5
35°	1237.0
37.5°	529.2
40°	187.7
42.5°	172.8
45°	169.5
47.5°	163.8
50°	157.2
52.5°	149.8
55°	142.4
57.5°	135.0
60°	127.6
62.5°	119.3
65°	110.3
67.5°	101.2
70°	91.4
72.5°	80.7
75°	70.0
77.5°	57.6
80°	45.3
82.5°	32.1
85°	18.9
87.5°	6.6
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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Scaled Data Report



(END OF REPORT)