

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: P751905

Luminaire Tested: LD4D65D010-EU4DR6055659024-4LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P751905  
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-EU4DR6055659024-4LBSQW1MW  
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

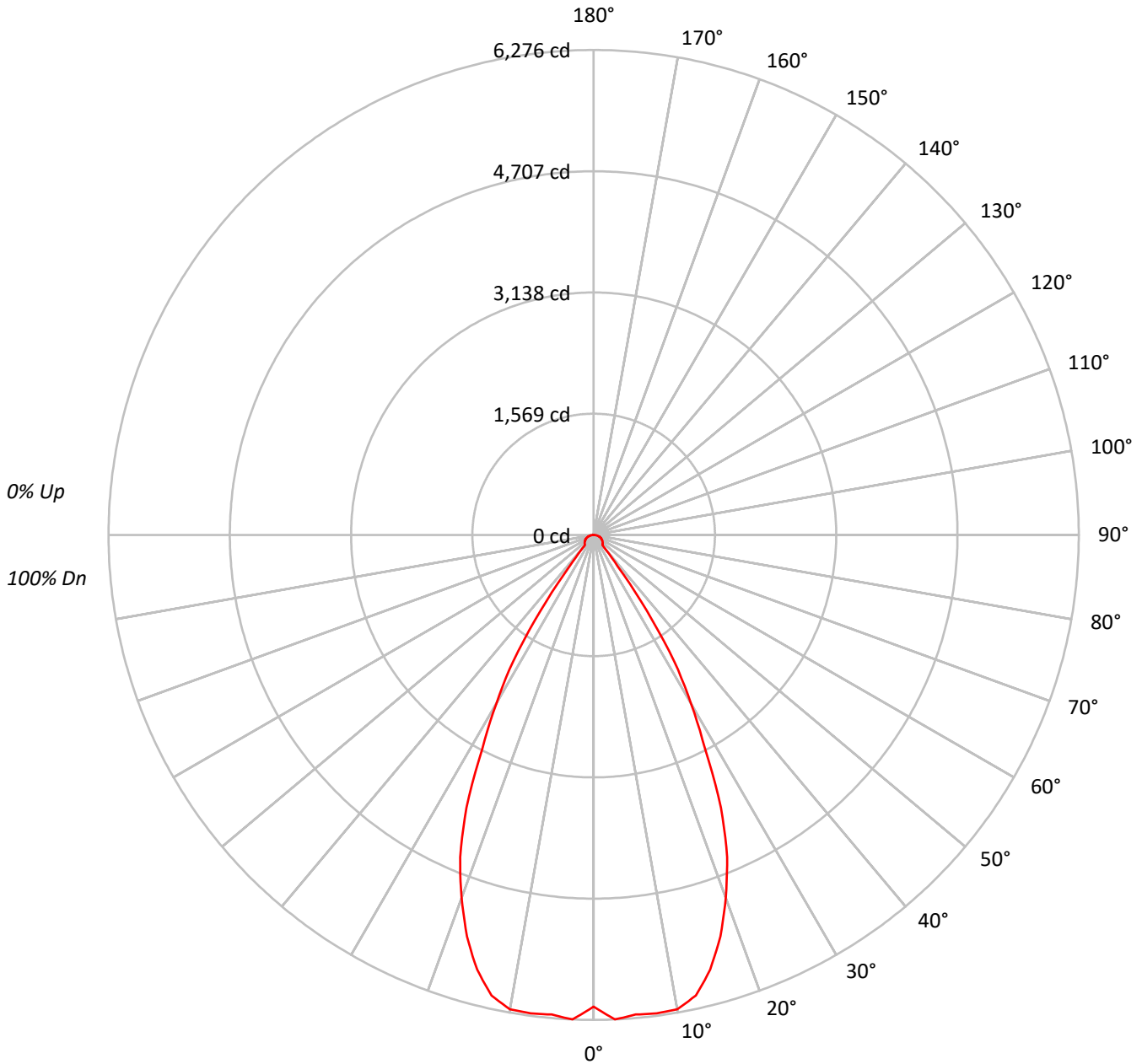
Lumens per Lamp: N/A  
Luminaire Lumens: 5140.1 lumens  
Efficiency: N/A  
Efficacy: 70.6 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

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

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

	0°
0°	666982
5°	683382
10°	691639
15°	658873
20°	580922
25°	469867
30°	317831
35°	159259
40°	25830
45°	25295
50°	25786
55°	26173
60°	26900
65°	27534
70°	28176
75°	28495
80°	27496
85°	22941

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 28495 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	595.5	11.6
10°-20°	1611.2	31.3
20°-30°	1733.5	33.7
30°-40°	753.5	14.7
40°-50°	126.6	2.5
50°-60°	123.0	2.4
60°-70°	105.3	2.0
70°-80°	70.4	1.4
80°-90°	21.1	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°	3940.2	76.7
0°-40°	4693.7	91.3
0°-60°	4943.3	96.2
0°-90°	5140.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5140.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6104	
5°	6231	596
15°	5825	1611
25°	3898	1733
35°	1194	754
45°	164	127
55°	137	123
65°	106	105
75°	68	70
85°	18	21
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6104.5
2.5°	6276.1
5°	6230.8
7.5°	6245.1
10°	6234.0
12.5°	6105.3
15°	5824.8
17.5°	5448.3
20°	4996.2
22.5°	4512.4
25°	3897.5
27.5°	3117.4
30°	2519.2
32.5°	1941.6
35°	1194.0
37.5°	510.8
40°	181.1
42.5°	166.8
45°	163.7
47.5°	158.1
50°	151.7
52.5°	144.6
55°	137.4
57.5°	130.3
60°	123.1
62.5°	115.2
65°	106.5
67.5°	97.7
70°	88.2
72.5°	77.9
75°	67.5
77.5°	55.6
80°	43.7
82.5°	31.0
85°	18.3
87.5°	6.4
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)