

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: P750370

Luminaire Tested: LD4D55D010-EU4DR6055659030-4LBSQW1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P750370  
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: LD4D55D010-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: 4378.5 lumens  
Efficiency: N/A  
Efficacy: 75.2 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

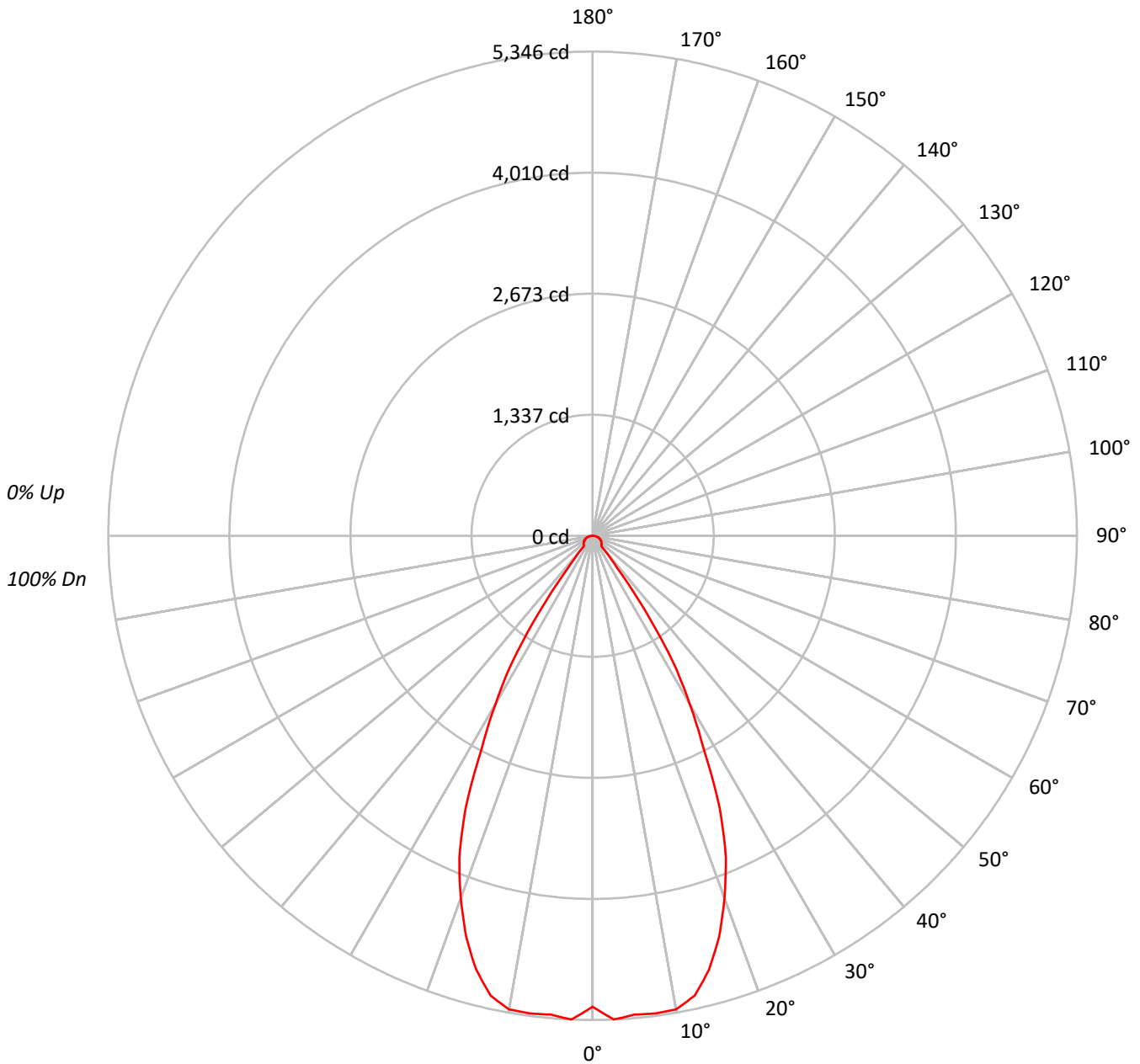
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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	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°	568156
5°	582128
10°	589158
15°	561254
20°	494857
25°	400258
30°	270734
35°	135664
40°	22008
45°	21540
50°	21978
55°	22306
60°	22923
65°	23449
70°	23991
75°	24274
80°	23407
85°	19557

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 24274 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	507.3	11.6
10°-20°	1372.5	31.3
20°-30°	1476.7	33.7
30°-40°	641.9	14.7
40°-50°	107.8	2.5
50°-60°	104.8	2.4
60°-70°	89.6	2.0
70°-80°	60.0	1.4
80°-90°	18.0	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°	3356.4	76.7
0°-40°	3998.2	91.3
0°-60°	4210.9	96.2
0°-90°	4378.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4378.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5200	
5°	5308	507
15°	4962	1372
25°	3320	1477
35°	1017	642
45°	139	108
55°	117	105
65°	91	90
75°	58	60
85°	16	18
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5200.0
2.5°	5346.2
5°	5307.6
7.5°	5319.8
10°	5310.3
12.5°	5200.7
15°	4961.8
17.5°	4641.0
20°	4256.0
22.5°	3843.8
25°	3320.1
27.5°	2655.5
30°	2145.9
32.5°	1653.9
35°	1017.1
37.5°	435.1
40°	154.3
42.5°	142.1
45°	139.4
47.5°	134.7
50°	129.3
52.5°	123.2
55°	117.1
57.5°	111.0
60°	104.9
62.5°	98.1
65°	90.7
67.5°	83.2
70°	75.1
72.5°	66.3
75°	57.5
77.5°	47.4
80°	37.2
82.5°	26.4
85°	15.6
87.5°	5.4
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)