

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: P751645

Luminaire Tested: LD4D65D010-EU4DR4055659040-4LBSQW1MW

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P751645  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D65D010-EU4DR4055659040-4LBSQW1MW  
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 40° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6661.2 lumens  
Efficiency: N/A  
Efficacy: 91.5 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

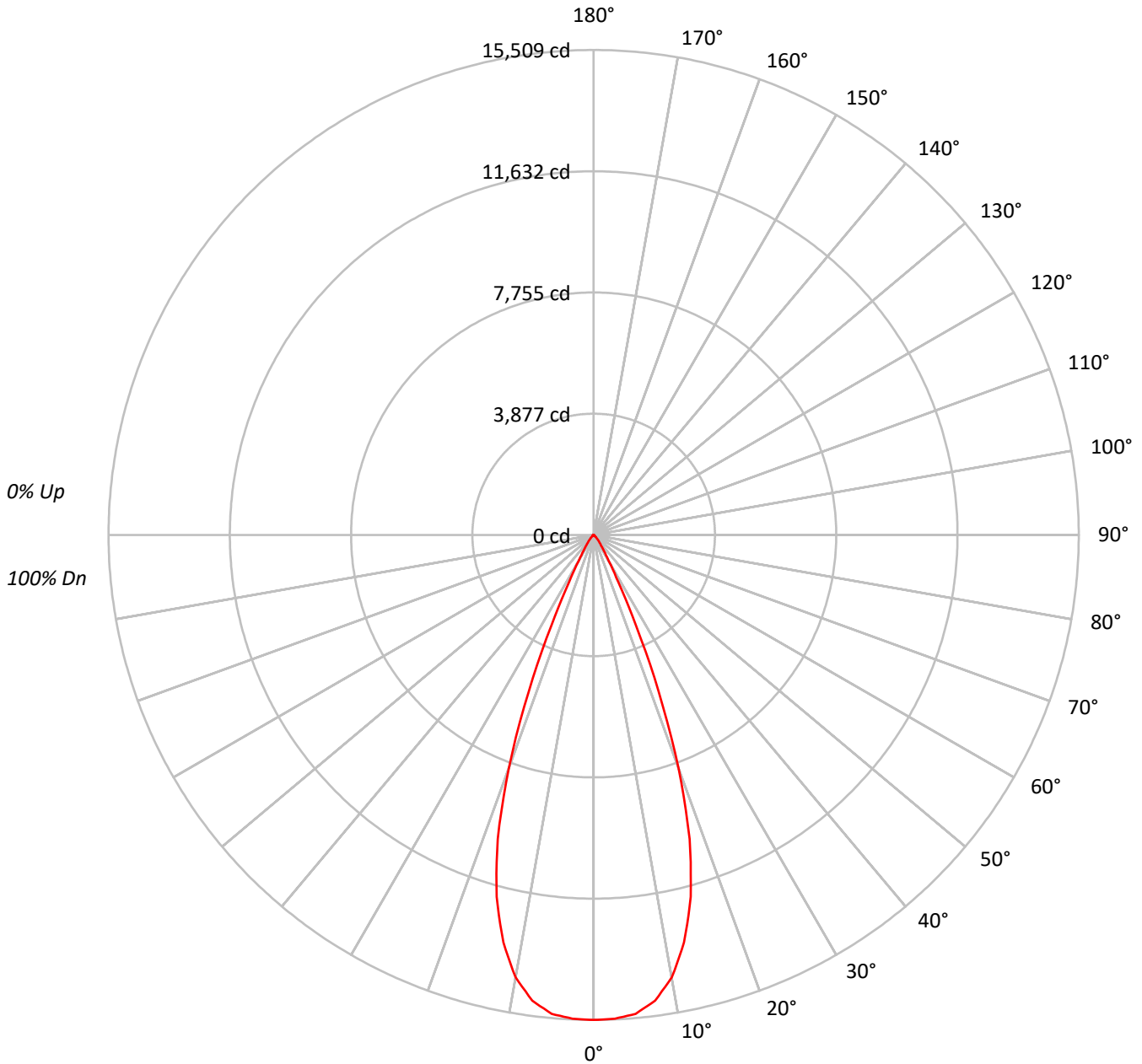
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									20									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	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	100	99	98	97	96	95	93	92	91	89	88															
	1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96	95	93	92	91	89	88	87	85	84	82	81																
	2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92	91	89	88	87	85	84	82	81	79	77	76																
	3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88	87	85	84	82	81	79	77	76	74	72	71																
	4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84	82	81	79	77	76	74	72	71	69	68	67																
	5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81	79	77	76	74	72	71	69	68	67	66	65																
	6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77	76	74	72	71	69	68	67	66	65	64	63																
	7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74	72	71	69	68	67	66	65	64	63	62	61																
	8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72	71	69	68	67	66	65	64	63	62	61	60																
	9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69	68	67	66	65	64	63	62	61	60	59	58																
	10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67	66	65	64	63	62	61	60	59	58	57	56																

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

	0°
0°	1694547
5°	1686312
10°	1593932
15°	1355039
20°	923555
25°	385345
30°	121167
35°	56314
40°	31136
45°	14277
50°	6935
55°	3791
60°	1989
65°	698
70°	288
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 14277 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1435.6	21.6
10°-20°	3216.2	48.3
20°-30°	1609.9	24.2
30°-40°	295.1	4.4
40°-50°	81.4	1.2
50°-60°	19.1	0.3
60°-70°	3.6	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°	6261.8	94.0
0°-40°	6556.9	98.4
0°-60°	6657.5	99.9
0°-90°	6661.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6661.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	15509	
5°	15375	###
15°	11979	3216
25°	3196	1610
35°	422	295
45°	92	81
55°	20	19
65°	3	4
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	15509.2
2.5°	15486.5
5°	15375.1
7.5°	15019.9
10°	14366.7
12.5°	13348.3
15°	11979.3
17.5°	10199.0
20°	7943.0
22.5°	5415.3
25°	3196.4
27.5°	1689.7
30°	960.4
32.5°	620.6
35°	422.2
37.5°	301.7
40°	218.3
42.5°	149.5
45°	92.4
47.5°	58.9
50°	40.8
52.5°	29.0
55°	19.9
57.5°	12.7
60°	9.1
62.5°	5.4
65°	2.7
67.5°	1.8
70°	0.9
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)