

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P751476

Luminaire Tested: LD4D65D010-EU4DR3055659035-4LBSQW1MW

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P751476  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D65D010-EU4DR3055659035-4LBSQW1MW  
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5520.8 lumens  
Efficiency: N/A  
Efficacy: 75.8 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

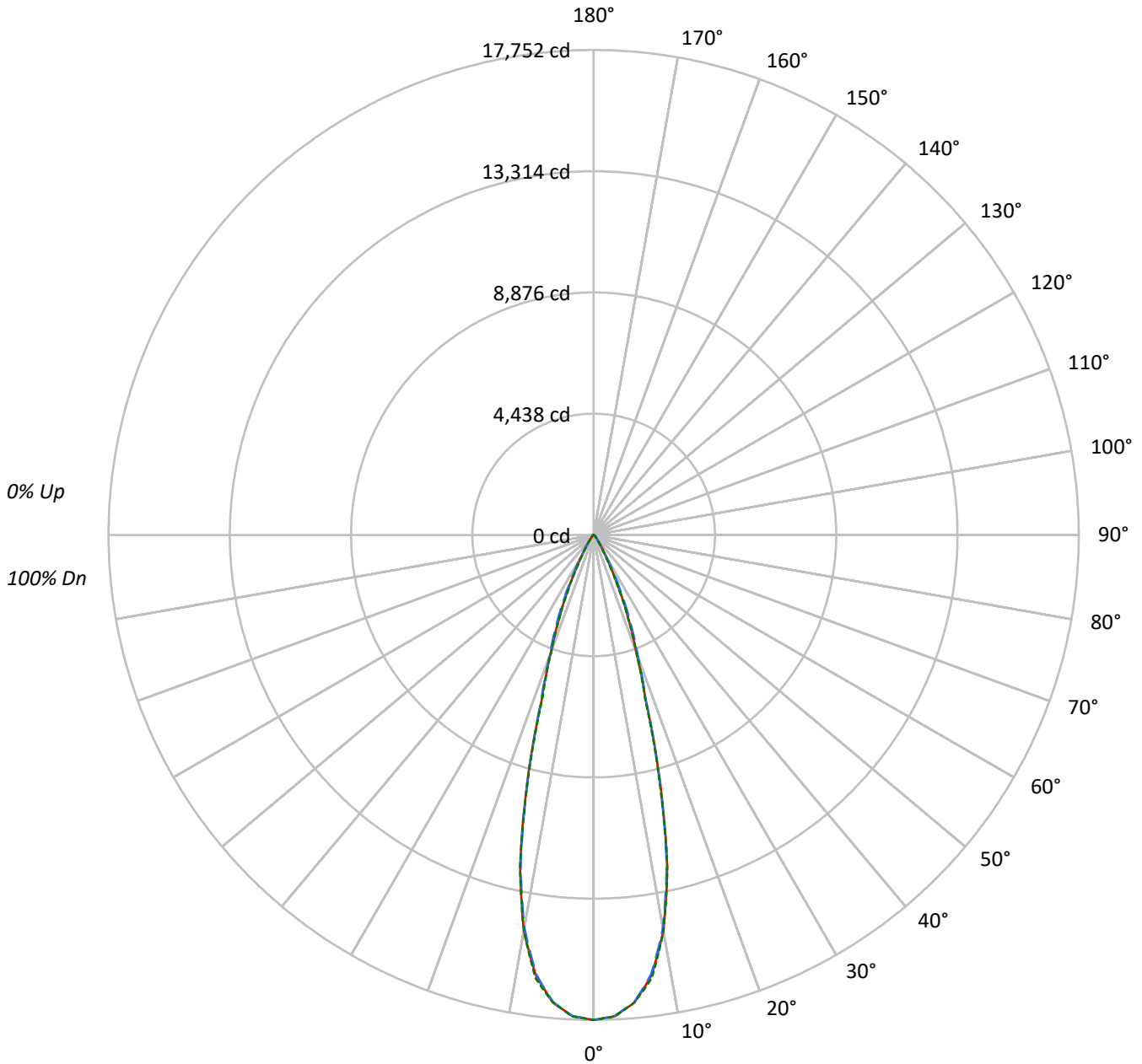
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

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

	0°	45°	90°
0°	1358814	1358814	1358814
5°	1319808	1318264	1319870
10°	1143152	1135092	1142880
15°	745848	741846	738114
20°	370876	384789	370379
25°	186826	210668	182991
30°	74800	81500	65175
35°	34695	33228	27855
40°	14978	16637	14109
45°	10565	13109	10662
50°	3632	9550	3834
55°	2095	3950	2215
60°	1470	1730	1470
65°	942	942	942
70°	582	380	582
75°	0	266	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 13109 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1561.0	28.3
10°-20°	2514.1	45.5
20°-30°	1086.4	19.7
30°-40°	247.6	4.5
40°-50°	85.0	1.5
50°-60°	20.8	0.4
60°-70°	5.4	0.1
70°-80°	0.6	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°	5161.5	93.5
0°-40°	5409.1	98.0
0°-60°	5514.9	99.9
0°-90°	5520.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5520.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	17752	17752	17752	17752	17752	
5°	17177	17160	17157	17193	17178	1562
15°	9412	9299	9362	9331	9314	2520
25°	2212	2296	2494	2237	2167	1059
35°	371	379	356	353	298	252
45°	98	121	121	121	98	69
55°	16	17	30	17	17	15
65°	5	5	5	5	5	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	17752.2	17752.2	17752.2	17752.2	17752.2
2.5°	17634.6	17622.3	17629.3	17638.0	17641.5
5°	17177.0	17160.4	17156.9	17192.7	17177.8
7.5°	16254.0	16230.4	16194.7	16275.8	16351.6
10°	14707.8	14681.7	14604.1	14642.4	14704.3
12.5°	12425.2	12340.6	12338.9	12460.9	12444.3
15°	9412.1	9298.8	9361.6	9331.1	9314.5
17.5°	6329.4	6285.8	6369.5	6344.2	6235.2
20°	4553.1	4564.4	4723.9	4643.7	4547.0
22.5°	3322.4	3363.4	3552.5	3346.0	3270.1
25°	2212.1	2295.7	2494.4	2237.3	2166.7
27.5°	1360.5	1398.9	1600.2	1343.1	1304.7
30°	846.3	827.1	922.1	791.4	737.4
32.5°	555.2	530.8	561.3	503.8	460.2
35°	371.3	379.1	355.6	353.0	298.1
37.5°	231.8	266.7	235.3	251.0	191.7
40°	149.9	193.5	166.5	183.9	141.2
42.5°	122.9	149.0	136.8	145.6	125.5
45°	97.6	121.1	121.1	121.1	98.5
47.5°	54.0	81.1	103.7	82.8	57.5
50°	30.5	41.0	80.2	42.7	32.2
52.5°	20.9	23.5	54.9	24.4	21.8
55°	15.7	16.6	29.6	17.4	16.6
57.5°	12.2	13.1	15.7	13.1	12.2
60°	9.6	9.6	11.3	10.5	9.6
62.5°	7.0	7.0	7.8	7.0	7.0
65°	5.2	5.2	5.2	5.2	5.2
67.5°	2.6	3.5	3.5	3.5	3.5
70°	2.6	1.7	1.7	1.7	2.6
72.5°	1.7	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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