

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: P751489

Luminaire Tested: LD4D65D010-EU4DR3055659040-4LBSQW1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P751489
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-EU4DR3055659040-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

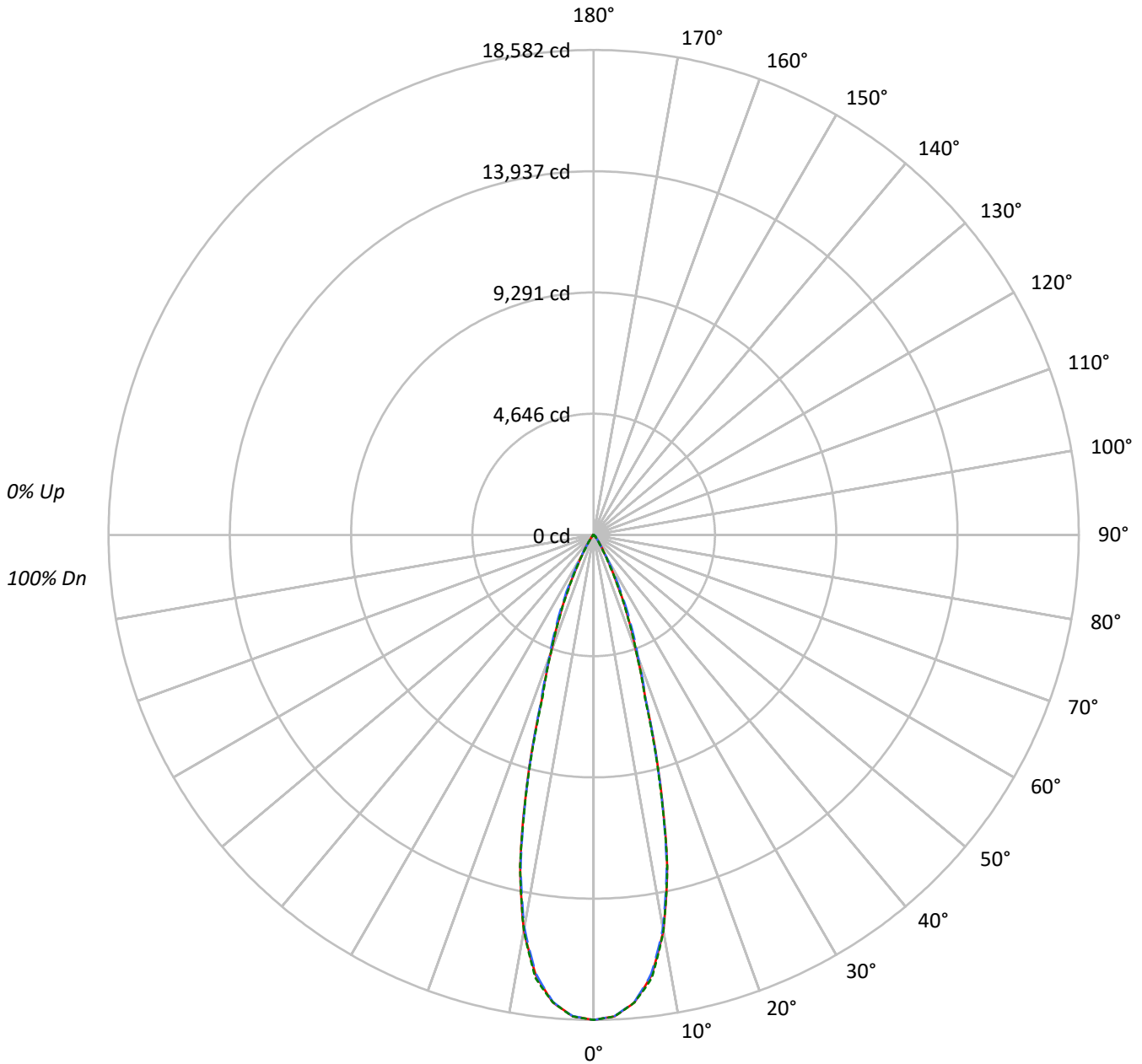
Lumens per Lamp: N/A
Luminaire Lumens: 5778.9 lumens
Efficiency: N/A
Efficacy: 79.4 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

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°	1422345	1422345	1422345
5°	1381507	1379894	1381576
10°	1196595	1188162	1196315
15°	780723	776523	772625
20°	388218	402783	387697
25°	195559	220524	191547
30°	78300	85309	68215
35°	36312	34779	29154
40°	15677	17416	14768
45°	11063	13726	11160
50°	3799	9991	4025
55°	2189	4137	2309
60°	1531	1822	1531
65°	996	996	996
70°	604	403	604
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 13726 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1634.0	28.3
10°-20°	2631.6	45.5
20°-30°	1137.2	19.7
30°-40°	259.2	4.5
40°-50°	89.0	1.5
50°-60°	21.7	0.4
60°-70°	5.6	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°	5402.8	93.5
0°-40°	5662.0	98.0
0°-60°	5772.7	99.9
0°-90°	5778.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5778.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18582	18582	18582	18582	18582	
5°	17980	17963	17959	17996	17981	1635
15°	9852	9734	9799	9767	9750	2638
25°	2316	2403	2611	2342	2268	1108
35°	389	397	372	370	312	264
45°	102	127	127	127	103	73
55°	16	17	31	18	17	16
65°	6	6	6	6	6	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°	18582.2	18582.2	18582.2	18582.2	18582.2
2.5°	18459.0	18446.2	18453.5	18462.7	18466.3
5°	17980.0	17962.7	17959.0	17996.5	17980.9
7.5°	17013.9	16989.3	16951.8	17036.7	17116.1
10°	15395.4	15368.1	15286.9	15327.0	15391.8
12.5°	13006.1	12917.6	12915.7	13043.5	13026.1
15°	9852.2	9733.6	9799.2	9767.3	9750.0
17.5°	6625.3	6579.7	6667.2	6640.8	6526.7
20°	4766.0	4777.8	4944.8	4860.8	4759.6
22.5°	3477.8	3520.6	3718.6	3502.4	3423.0
25°	2315.5	2403.1	2611.1	2341.9	2268.0
27.5°	1424.1	1464.3	1675.0	1405.9	1365.7
30°	885.9	865.8	965.2	828.4	771.8
32.5°	581.1	555.6	587.5	527.3	481.7
35°	388.6	396.9	372.2	369.5	312.0
37.5°	242.7	279.2	246.3	262.7	200.7
40°	156.9	202.5	174.3	192.5	147.8
42.5°	128.6	156.0	143.2	152.4	131.4
45°	102.2	126.8	126.8	126.8	103.1
47.5°	56.6	84.8	108.6	86.7	60.2
50°	31.9	42.9	83.9	44.7	33.8
52.5°	21.9	24.6	57.5	25.5	22.8
55°	16.4	17.3	31.0	18.2	17.3
57.5°	12.8	13.7	16.4	13.7	12.8
60°	10.0	10.0	11.9	10.9	10.0
62.5°	7.3	7.3	8.2	7.3	7.3
65°	5.5	5.5	5.5	5.5	5.5
67.5°	2.7	3.6	3.6	3.6	3.6
70°	2.7	1.8	1.8	1.8	2.7
72.5°	1.8	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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