

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: P753049

Luminaire Tested: LD4D75BD010-EU4DR3070959040-4LBSQW1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P753049
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: LD4D75BD010-EU4DR3070959040-4LBSQW1MW
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

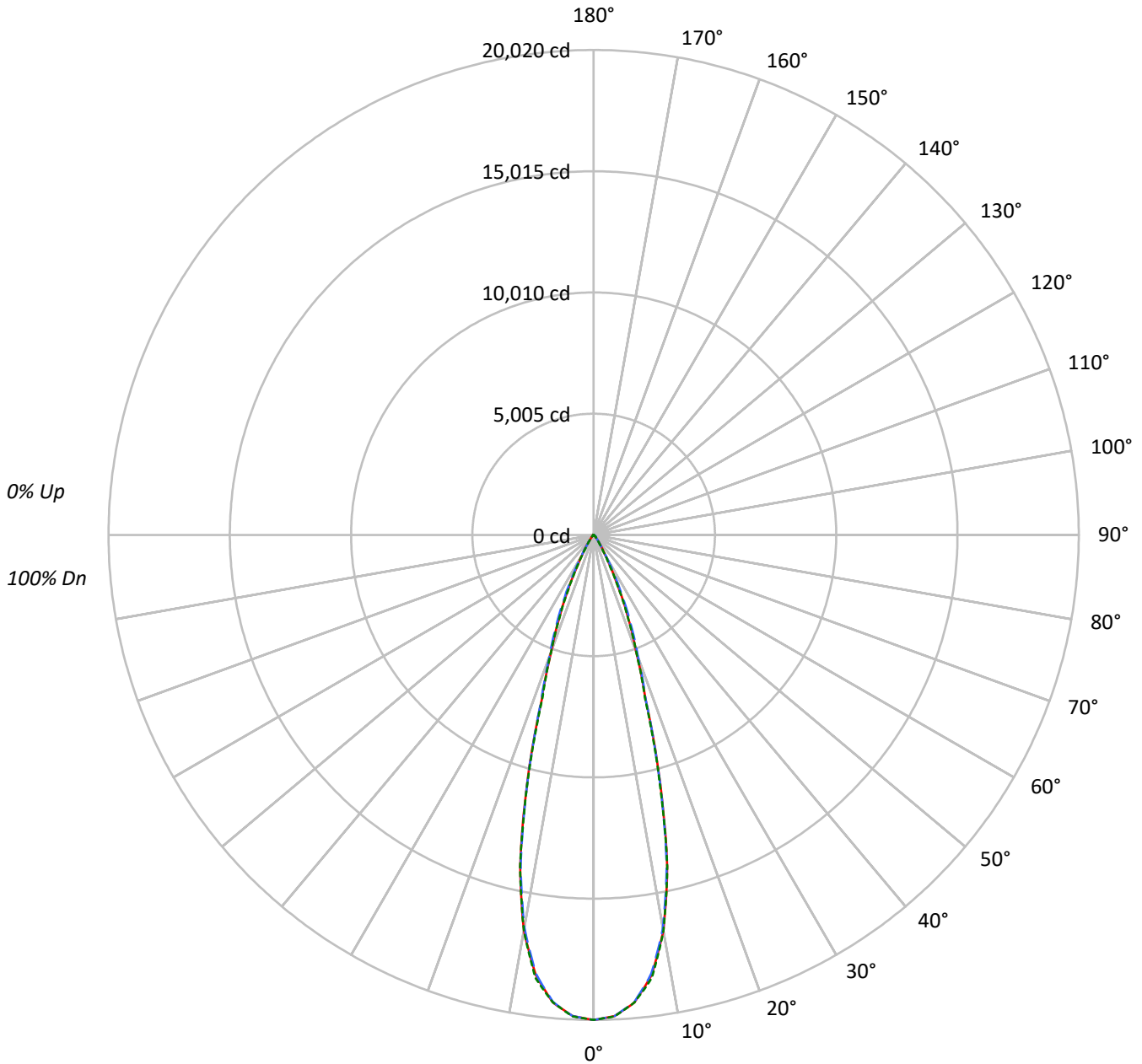
Lumens per Lamp: N/A
Luminaire Lumens: 6226.0 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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	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°	1532368	1532368	1532368
5°	1488378	1486634	1488447
10°	1289157	1280071	1288854
15°	841115	836598	832390
20°	418243	433939	417689
25°	210685	237576	206369
30°	84354	91911	73492
35°	39124	37470	31406
40°	16897	18755	15907
45°	11918	14787	12026
50°	4096	10765	4335
55°	2362	4457	2496
60°	1653	1960	1653
65°	1069	1069	1069
70°	649	448	649
75°	0	296	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 14787 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1760.4	28.3
10°-20°	2835.2	45.5
20°-30°	1225.2	19.7
30°-40°	279.2	4.5
40°-50°	95.9	1.5
50°-60°	23.4	0.4
60°-70°	6.1	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°	5820.7	93.5
0°-40°	6100.0	98.0
0°-60°	6219.3	99.9
0°-90°	6226.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6226.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	20020	20020	20020	20020	20020	
5°	19371	19352	19348	19388	19372	1762
15°	10614	10486	10557	10523	10504	2842
25°	2495	2589	2813	2523	2444	1194
35°	419	428	401	398	336	284
45°	110	137	137	137	111	78
55°	18	19	33	20	19	17
65°	6	6	6	6	6	6
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°	20019.6	20019.6	20019.6	20019.6	20019.6
2.5°	19886.9	19873.1	19881.0	19890.8	19894.7
5°	19370.9	19352.2	19348.2	19388.5	19371.8
7.5°	18330.0	18303.4	18263.1	18354.5	18440.1
10°	16586.3	16556.8	16469.4	16512.6	16582.4
12.5°	14012.1	13916.8	13914.8	14052.4	14033.7
15°	10614.3	10486.5	10557.3	10522.8	10504.2
17.5°	7137.8	7088.6	7183.0	7154.5	7031.6
20°	5134.6	5147.4	5327.3	5236.9	5127.8
22.5°	3746.8	3793.0	4006.3	3773.3	3687.8
25°	2494.6	2588.9	2813.0	2523.1	2443.5
27.5°	1534.3	1577.5	1804.6	1514.6	1471.4
30°	954.4	932.8	1039.9	892.5	831.5
32.5°	626.1	598.6	633.0	568.1	519.0
35°	418.7	427.6	401.0	398.1	336.1
37.5°	261.4	300.8	265.4	283.1	216.2
40°	169.1	218.2	187.7	207.4	159.2
42.5°	138.6	168.1	154.3	164.1	141.5
45°	110.1	136.6	136.6	136.6	111.1
47.5°	60.9	91.4	117.0	93.4	64.9
50°	34.4	46.2	90.4	48.2	36.4
52.5°	23.6	26.5	61.9	27.5	24.6
55°	17.7	18.7	33.4	19.7	18.7
57.5°	13.8	14.7	17.7	14.7	13.8
60°	10.8	10.8	12.8	11.8	10.8
62.5°	7.9	7.9	8.8	7.9	7.9
65°	5.9	5.9	5.9	5.9	5.9
67.5°	2.9	3.9	3.9	3.9	3.9
70°	2.9	2.0	2.0	2.0	2.9
72.5°	2.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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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