

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: FAIL-SAFE

Report Number: P490254

Luminaire Tested: **CLP-12-4-INS-A12125-LD4-3STD-40-120-EDD-90**

Issue Date: 3/12/2021

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P490254
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-115-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: CLP-12-4-INS-A12125-LD4-3STD-40-120-EDD-90
Description: 1X4 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

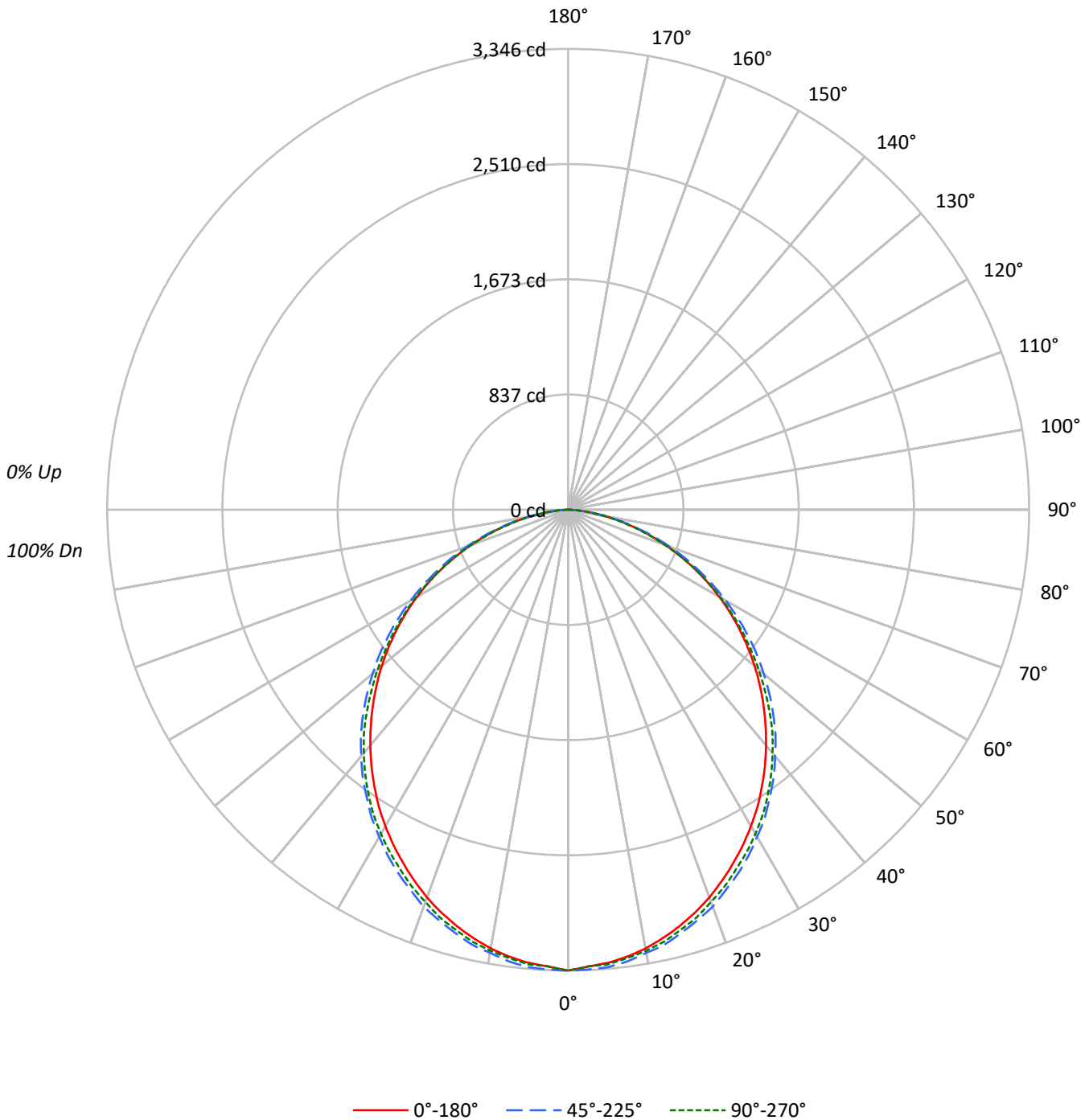
Lumens per Lamp: N/A
Luminaire Lumens: 8797.0 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 99.9
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: 25 FT

TEST NUMBER: P490254

CATALOG NUMBER: CLP-12-4-INS-A12125-LD4-3STD-40-120-EDD-90

Luminous Intensity Polar Plot





TEST NUMBER: P490254

CATALOG NUMBER: CLP-12-4-INS-A12125-LD4-3STD-40-120-EDD-90

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	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71
3	91	80	72	66	88	79	71	65	76	70	64	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	51
5	77	64	55	48	75	63	54	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	41	52	46	41	39
7	66	52	44	38	64	51	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	33	46	38	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9004	9004	9004
5°	8921	9005	8949
10°	8839	8929	8886
15°	8717	8858	8795
20°	8580	8783	8678
25°	8412	8657	8557
30°	8243	8522	8444
35°	8057	8376	8298
40°	7848	8209	8105
45°	7627	8012	7861
50°	7398	7756	7553
55°	7129	7463	7234
60°	6826	7109	6889
65°	6433	6679	6437
70°	5919	6158	5854
75°	5212	5448	5132
80°	4235	4420	4187
85°	2949	3143	3069



TEST NUMBER: P490254

CATALOG NUMBER: CLP-12-4-INS-A12125-LD4-3STD-40-120-EDD-90

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.1	3.6
10°-20°	893.0	10.2
20°-30°	1331.9	15.1
30°-40°	1578.3	17.9
40°-50°	1597.0	18.2
50°-60°	1394.7	15.9
60°-70°	1019.2	11.6
70°-80°	542.3	6.2
80°-90°	125.3	1.4
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°	2540.1	28.9
0°-40°	4118.4	46.8
0°-60°	7110.1	80.8
0°-90°	8797.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8797.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3346	3346	3346	3346	3346	
5°	3302	3309	3334	3341	3313	313
15°	3129	3150	3179	3199	3157	882
25°	2833	2868	2916	2926	2882	1305
35°	2452	2491	2550	2568	2526	1534
45°	2004	2040	2105	2107	2066	1546
55°	1520	1550	1591	1568	1542	1358
65°	1010	1031	1049	1028	1011	1000
75°	501	513	524	505	494	533
85°	96	97	102	103	99	121
90°	0	0	0	0	0	



TEST NUMBER: P490254

CATALOG NUMBER: CLP-12-4-INS-A12125-LD4-3STD-40-120-EDD-90

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3346.1	3346.1	3346.1	3346.1	3346.1
2.5°	3319.9	3330.7	3341.9	3346.8	3319.6
5°	3302.5	3308.8	3333.5	3341.2	3312.9
7.5°	3273.9	3283.3	3307.4	3310.9	3283.7
10°	3234.9	3251.6	3267.6	3285.1	3251.9
12.5°	3185.0	3207.7	3234.9	3238.0	3212.9
15°	3128.9	3149.8	3179.4	3198.6	3157.1
17.5°	3066.1	3086.3	3124.7	3128.2	3103.1
20°	2996.1	3021.2	3067.2	3075.2	3030.2
22.5°	2916.6	2950.4	2988.7	2996.4	2963.3
25°	2833.2	2868.1	2915.5	2926.3	2882.1
27.5°	2746.1	2779.6	2832.9	2840.6	2803.3
30°	2652.7	2684.0	2742.6	2755.5	2717.5
32.5°	2557.8	2589.2	2654.1	2664.9	2627.9
35°	2452.5	2490.9	2549.8	2567.6	2526.1
37.5°	2345.2	2382.5	2449.4	2465.4	2420.8
40°	2234.0	2270.9	2336.8	2350.1	2307.2
42.5°	2120.3	2157.3	2227.7	2229.8	2194.2
45°	2004.2	2039.8	2105.3	2107.1	2065.6
47.5°	1886.4	1922.3	1980.9	1974.2	1935.2
50°	1767.2	1801.3	1852.6	1839.3	1804.1
52.5°	1643.7	1676.9	1725.3	1703.7	1670.6
55°	1519.6	1550.3	1590.8	1567.7	1542.0
57.5°	1394.5	1425.5	1456.5	1433.2	1410.9
60°	1268.3	1295.5	1320.9	1297.2	1280.1
62.5°	1140.0	1163.3	1185.3	1162.7	1146.6
65°	1010.3	1030.9	1049.0	1028.1	1011.0
67.5°	881.3	898.7	915.5	893.9	876.1
70°	752.3	767.3	782.7	760.3	744.0
72.5°	625.1	638.3	651.9	630.3	616.0
75°	501.3	512.8	524.0	504.8	493.6
77.5°	383.1	392.9	400.6	388.4	377.6
80°	273.3	280.6	285.2	280.3	270.2
82.5°	175.7	180.9	183.4	183.0	176.4
85°	95.5	97.3	101.8	102.8	99.4
87.5°	37.0	39.4	40.4	43.6	40.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)