

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: P490093

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1LO-27-120-EDD**

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: P490093  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P387254)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/12/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: CLP-12-2-INS-P12125-LD4-1LO-27-120-EDD  
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

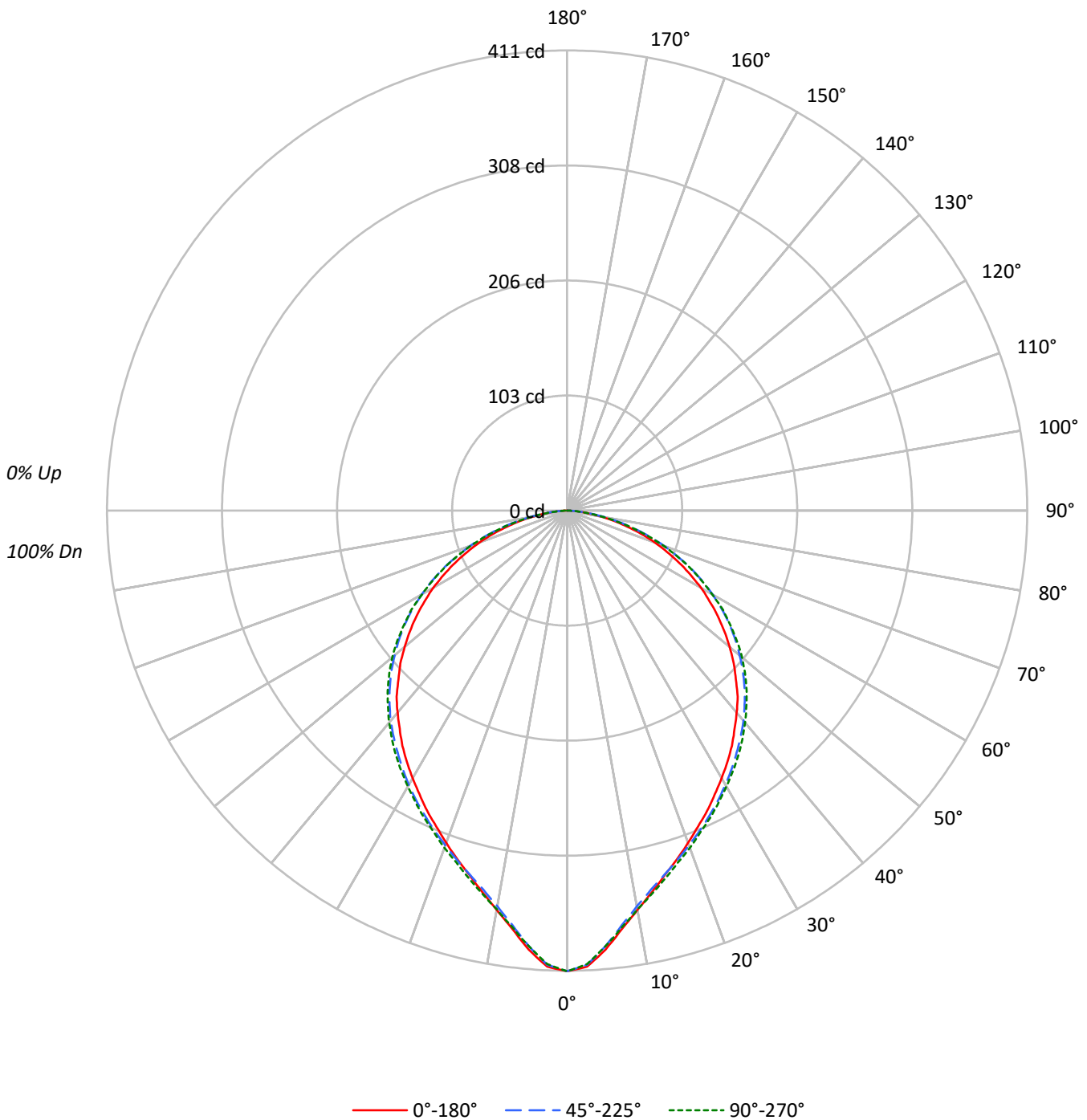
Lumens per Lamp: N/A  
Luminaire Lumens: 955.7 lumens  
Efficiency: N/A  
Efficacy: 81.7 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.7  
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: P490093

CATALOG NUMBER: CLP-12-2-INS-P12125-LD4-1LO-27-120-EDD

### Luminous Intensity Polar Plot





TEST NUMBER: P490093

CATALOG NUMBER: CLP-12-2-INS-P12125-LD4-1LO-27-120-EDD

**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	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59
4	83	71	62	55	81	70	61	55	67	60	54	65	59	54	63	57	53	51
5	76	63	54	48	74	62	54	48	60	53	47	58	52	46	56	51	46	44
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

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

	0°	45°	90°
0°	2214	2214	2214
5°	2126	2111	2111
10°	1979	1961	1976
15°	1878	1874	1893
20°	1809	1822	1836
25°	1757	1786	1796
30°	1715	1757	1768
35°	1685	1735	1752
40°	1655	1723	1737
45°	1621	1706	1726
50°	1586	1685	1707
55°	1542	1660	1667
60°	1486	1615	1611
65°	1408	1552	1542
70°	1316	1448	1430
75°	1160	1283	1271
80°	942	1044	995
85°	655	667	642



TEST NUMBER: P490093

CATALOG NUMBER: CLP-12-2-INS-P12125-LD4-1LO-27-120-EDD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.4	3.8
10°-20°	95.2	10.0
20°-30°	138.5	14.5
30°-40°	164.8	17.2
40°-50°	171.1	17.9
50°-60°	155.0	16.2
60°-70°	117.0	12.2
70°-80°	63.7	6.7
80°-90°	14.0	1.5
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°	270.1	28.3
0°-40°	434.9	45.5
0°-60°	761.0	79.6
0°-90°	955.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	955.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	411	411	411	411	411	
5°	394	393	391	391	391	37
15°	337	336	336	339	340	95
25°	296	298	301	303	302	136
35°	256	260	264	268	267	160
45°	213	217	224	227	227	165
55°	164	168	177	178	178	147
65°	111	114	122	122	121	109
75°	56	58	62	62	61	59
85°	11	11	11	11	10	13
90°	0	0	0	0	0	



TEST NUMBER: P490093

CATALOG NUMBER: CLP-12-2-INS-P12125-LD4-1LO-27-120-EDD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	411.4	411.4	411.4	411.4	411.4
2.5°	407.8	407.4	406.1	405.6	405.5
5°	393.6	392.6	390.8	390.6	390.8
7.5°	376.5	375.5	373.6	374.3	375.3
10°	362.1	359.5	358.8	359.8	361.6
12.5°	349.2	347.2	346.6	349.2	350.5
15°	337.0	336.2	336.4	338.7	339.7
17.5°	326.4	325.9	327.2	329.0	329.5
20°	315.8	316.9	318.1	319.9	320.6
22.5°	305.4	307.4	309.5	311.9	311.1
25°	295.9	298.4	300.7	303.2	302.5
27.5°	285.7	288.6	291.9	294.6	293.5
30°	275.9	279.5	282.7	286.0	284.5
32.5°	266.3	269.7	273.5	277.5	275.7
35°	256.5	259.6	264.0	268.0	266.7
37.5°	245.7	249.5	254.6	258.0	257.1
40°	235.6	239.1	245.2	247.5	247.3
42.5°	225.5	228.3	234.7	237.3	236.9
45°	213.0	216.8	224.1	226.6	226.8
47.5°	202.0	205.2	213.0	215.0	215.4
50°	189.4	193.4	201.2	203.6	203.9
52.5°	176.9	181.2	189.3	190.9	191.2
55°	164.3	168.2	176.9	178.2	177.7
57.5°	151.0	155.8	163.8	164.4	164.9
60°	138.1	142.2	150.0	150.8	149.7
62.5°	124.0	128.2	136.2	136.4	135.5
65°	110.6	113.8	121.9	121.7	121.1
67.5°	96.6	100.5	106.5	106.7	106.2
70°	83.6	86.3	92.0	92.1	90.9
72.5°	69.5	72.4	77.0	76.4	76.1
75°	55.8	58.1	61.7	62.1	61.1
77.5°	43.3	44.9	47.6	47.3	46.2
80°	30.4	31.8	33.7	33.3	32.1
82.5°	19.4	20.3	21.5	21.0	20.5
85°	10.6	10.7	10.8	10.7	10.4
87.5°	3.9	4.0	4.0	3.9	3.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)