

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: P490106

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1STD-30-120-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: P490106
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-LD4-1STD-30-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

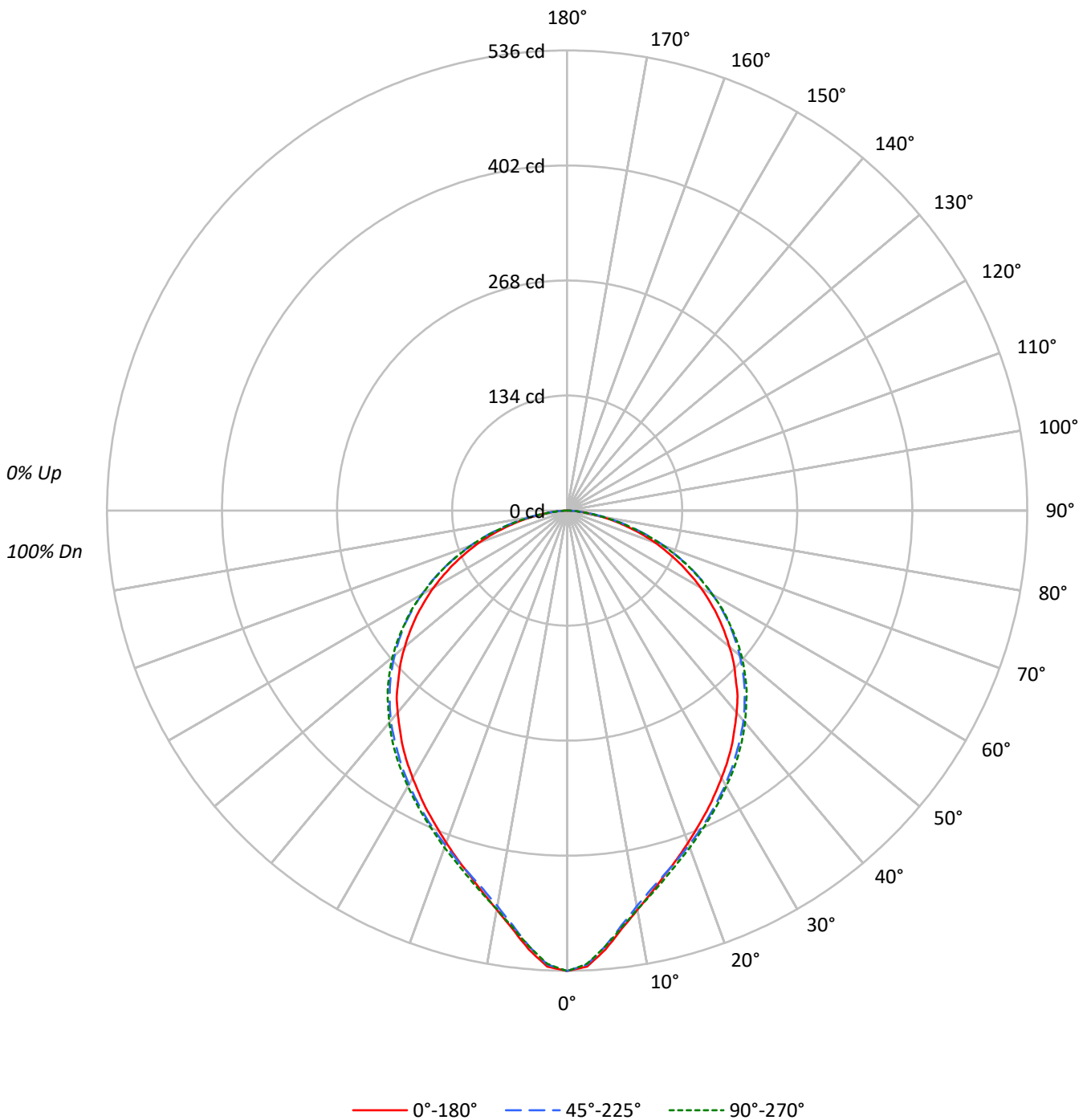
Lumens per Lamp: N/A
Luminaire Lumens: 1245.7 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.6
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: P490106

CATALOG NUMBER: CLP-12-2-INS-P12125-LD4-1STD-30-120-EDD-90

Luminous Intensity Polar Plot





TEST NUMBER: P490106

CATALOG NUMBER: CLP-12-2-INS-P12125-LD4-1STD-30-120-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	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°	2886	2886	2886
5°	2771	2752	2752
10°	2579	2556	2576
15°	2448	2443	2467
20°	2358	2375	2393
25°	2290	2328	2341
30°	2235	2290	2304
35°	2196	2261	2284
40°	2158	2245	2264
45°	2114	2223	2250
50°	2066	2196	2225
55°	2009	2164	2173
60°	1938	2104	2100
65°	1836	2024	2011
70°	1714	1887	1865
75°	1514	1672	1655
80°	1230	1364	1296
85°	852	871	834



TEST NUMBER: P490106

CATALOG NUMBER: CLP-12-2-INS-P12125-LD4-1STD-30-120-EDD-90

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.4	3.8
10°-20°	124.1	10.0
20°-30°	180.5	14.5
30°-40°	214.8	17.2
40°-50°	223.0	17.9
50°-60°	202.0	16.2
60°-70°	152.5	12.2
70°-80°	83.1	6.7
80°-90°	18.2	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°	352.0	28.3
0°-40°	566.8	45.5
0°-60°	991.9	79.6
0°-90°	1245.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1245.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	536	536	536	536	536	
5°	513	512	509	509	509	48
15°	439	438	438	441	443	124
25°	386	389	392	395	394	178
35°	334	338	344	349	348	209
45°	278	283	292	295	296	215
55°	214	219	231	232	232	191
65°	144	148	159	159	158	143
75°	73	76	80	81	80	78
85°	14	14	14	14	14	17
90°	0	0	0	0	0	



TEST NUMBER: P490106

CATALOG NUMBER: CLP-12-2-INS-P12125-LD4-1STD-30-120-EDD-90

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	536.3	536.3	536.3	536.3	536.3
2.5°	531.6	531.1	529.3	528.7	528.5
5°	513.0	511.8	509.4	509.1	509.4
7.5°	490.7	489.4	487.0	487.9	489.1
10°	472.0	468.6	467.7	469.0	471.3
12.5°	455.2	452.5	451.7	455.2	456.8
15°	439.3	438.2	438.5	441.4	442.8
17.5°	425.5	424.8	426.5	428.8	429.5
20°	411.7	413.0	414.6	417.0	417.8
22.5°	398.1	400.7	403.4	406.6	405.5
25°	385.7	388.9	392.0	395.2	394.2
27.5°	372.4	376.1	380.4	383.9	382.6
30°	359.7	364.4	368.5	372.8	370.8
32.5°	347.1	351.5	356.5	361.7	359.4
35°	334.3	338.4	344.1	349.4	347.6
37.5°	320.3	325.2	331.8	336.3	335.2
40°	307.1	311.7	319.6	322.6	322.3
42.5°	293.9	297.6	305.9	309.3	308.7
45°	277.7	282.6	292.1	295.4	295.6
47.5°	263.3	267.5	277.7	280.2	280.7
50°	246.8	252.1	262.3	265.3	265.7
52.5°	230.6	236.2	246.7	248.8	249.3
55°	214.1	219.2	230.6	232.2	231.6
57.5°	196.9	203.0	213.5	214.3	214.9
60°	180.0	185.3	195.5	196.6	195.1
62.5°	161.6	167.1	177.6	177.8	176.6
65°	144.2	148.3	158.9	158.7	157.9
67.5°	126.0	131.1	138.8	139.1	138.4
70°	108.9	112.4	119.9	120.1	118.5
72.5°	90.6	94.3	100.4	99.6	99.2
75°	72.8	75.7	80.4	80.9	79.6
77.5°	56.4	58.6	62.0	61.6	60.2
80°	39.7	41.4	44.0	43.4	41.8
82.5°	25.3	26.4	28.0	27.3	26.7
85°	13.8	13.9	14.1	13.9	13.5
87.5°	5.1	5.2	5.2	5.1	4.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)