

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: P490094

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1LO-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: P490094
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-30-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

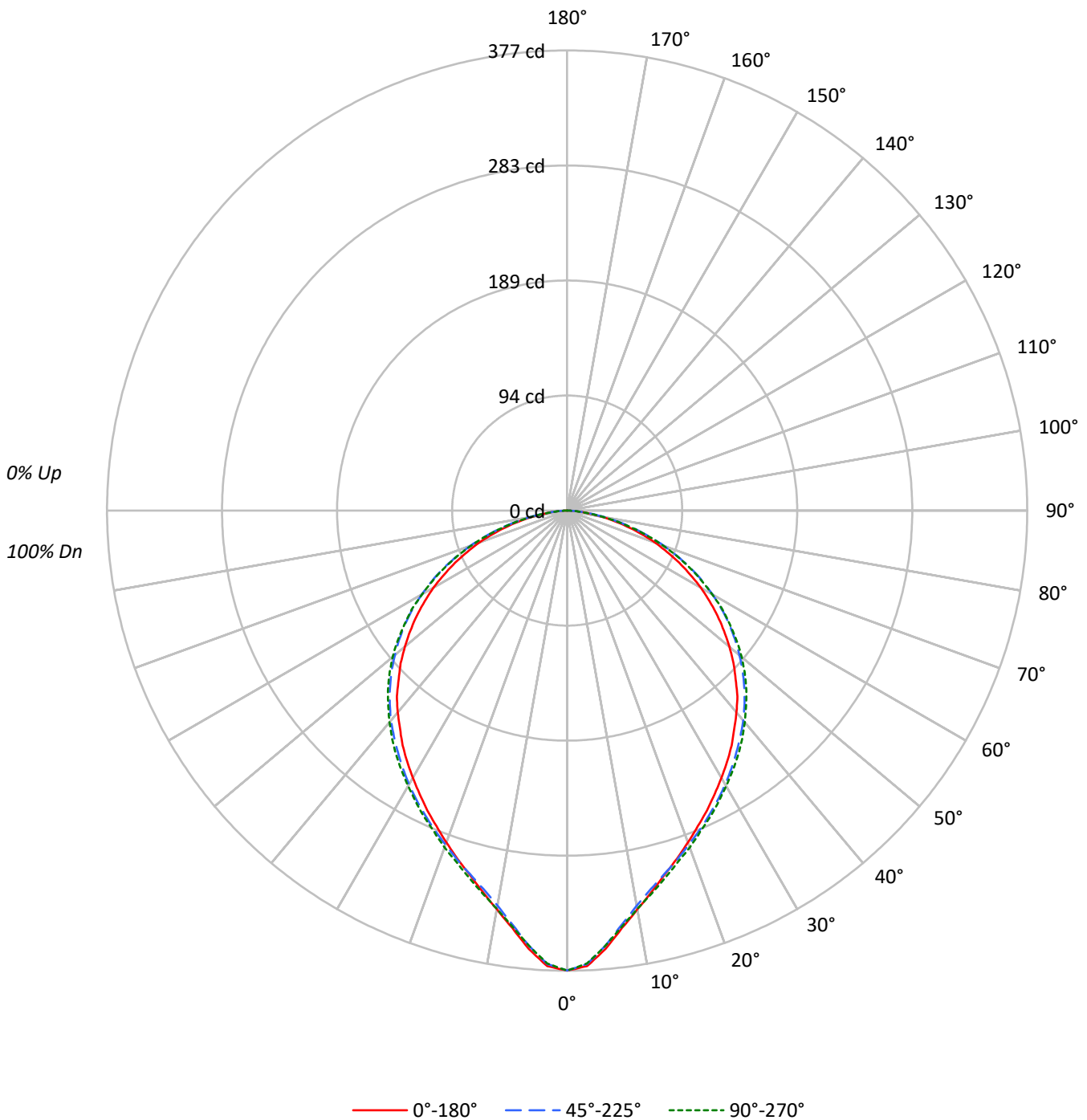
Lumens per Lamp: N/A
Luminaire Lumens: 875.3 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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: P490094

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

Luminous Intensity Polar Plot





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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°	2028	2028	2028
5°	1947	1934	1934
10°	1812	1796	1810
15°	1720	1717	1733
20°	1657	1668	1682
25°	1609	1635	1645
30°	1570	1609	1619
35°	1543	1589	1605
40°	1516	1578	1591
45°	1485	1563	1581
50°	1452	1543	1563
55°	1412	1520	1527
60°	1362	1479	1476
65°	1290	1422	1412
70°	1204	1327	1309
75°	1063	1175	1162
80°	865	958	911
85°	599	611	587



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.3	3.8
10°-20°	87.2	10.0
20°-30°	126.8	14.5
30°-40°	150.9	17.2
40°-50°	156.7	17.9
50°-60°	142.0	16.2
60°-70°	107.1	12.2
70°-80°	58.4	6.7
80°-90°	12.8	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°	247.4	28.3
0°-40°	398.3	45.5
0°-60°	697.0	79.6
0°-90°	875.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	875.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	377	377	377	377	377	
5°	360	360	358	358	358	33
15°	309	308	308	310	311	87
25°	271	273	275	278	277	125
35°	235	238	242	246	244	147
45°	195	199	205	208	208	151
55°	150	154	162	163	163	134
65°	101	104	112	112	111	100
75°	51	53	56	57	56	54
85°	10	10	10	10	10	12
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	376.8	376.8	376.8	376.8	376.8
2.5°	373.5	373.2	371.9	371.5	371.4
5°	360.4	359.6	357.9	357.7	357.9
7.5°	344.8	343.9	342.2	342.8	343.7
10°	331.6	329.3	328.6	329.6	331.2
12.5°	319.9	318.0	317.4	319.9	321.0
15°	308.7	307.9	308.1	310.2	311.1
17.5°	299.0	298.5	299.7	301.3	301.8
20°	289.3	290.2	291.3	293.0	293.6
22.5°	279.8	281.5	283.4	285.7	284.9
25°	271.0	273.3	275.4	277.7	277.0
27.5°	261.7	264.3	267.3	269.8	268.8
30°	252.7	256.0	258.9	262.0	260.5
32.5°	243.9	247.0	250.5	254.1	252.5
35°	234.9	237.8	241.8	245.5	244.3
37.5°	225.0	228.5	233.1	236.3	235.5
40°	215.8	219.0	224.6	226.6	226.5
42.5°	206.5	209.1	215.0	217.3	216.9
45°	195.1	198.6	205.3	207.5	207.7
47.5°	185.0	187.9	195.1	196.9	197.3
50°	173.4	177.1	184.3	186.4	186.7
52.5°	162.0	166.0	173.3	174.9	175.1
55°	150.5	154.0	162.0	163.2	162.7
57.5°	138.3	142.7	150.0	150.6	151.0
60°	126.5	130.2	137.4	138.1	137.1
62.5°	113.6	117.4	124.8	124.9	124.1
65°	101.3	104.2	111.7	111.5	110.9
67.5°	88.5	92.1	97.6	97.7	97.3
70°	76.5	79.0	84.3	84.4	83.2
72.5°	63.7	66.3	70.5	70.0	69.7
75°	51.1	53.2	56.5	56.9	55.9
77.5°	39.6	41.1	43.6	43.3	42.3
80°	27.9	29.1	30.9	30.5	29.4
82.5°	17.8	18.6	19.7	19.2	18.7
85°	9.7	9.8	9.9	9.8	9.5
87.5°	3.6	3.7	3.7	3.6	3.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)