

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: P490121

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2HI-35-120-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: P490121
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-LD4-2HI-35-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

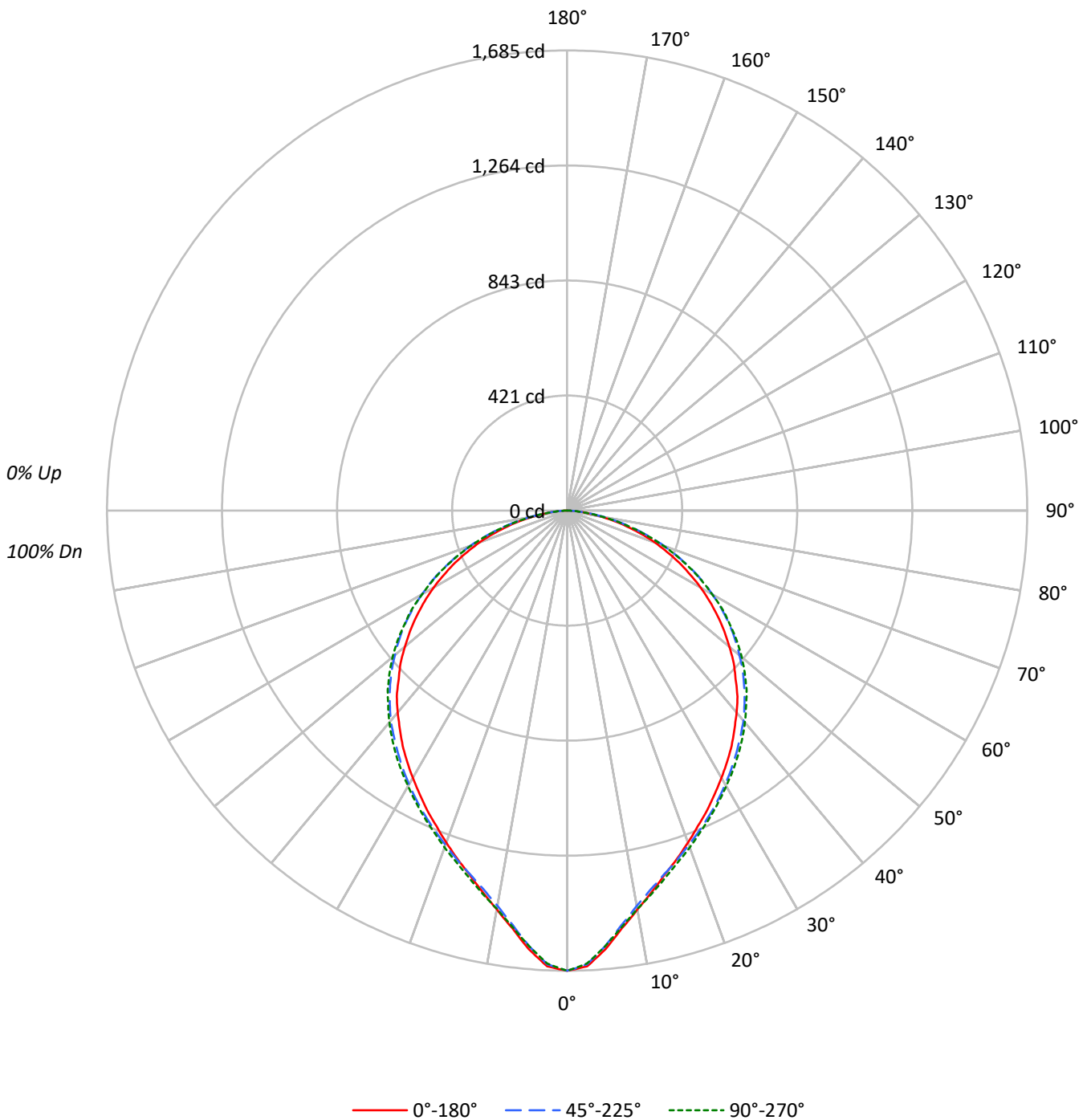
Lumens per Lamp: N/A
Luminaire Lumens: 3914.1 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 43.2
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

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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°	9069	9069	9069
5°	8708	8646	8646
10°	8105	8031	8093
15°	7690	7676	7752
20°	7408	7462	7519
25°	7196	7314	7356
30°	7023	7196	7241
35°	6902	7104	7176
40°	6780	7055	7114
45°	6640	6986	7070
50°	6494	6899	6991
55°	6313	6799	6827
60°	6087	6612	6599
65°	5769	6360	6316
70°	5386	5929	5857
75°	4754	5253	5201
80°	3862	4280	4073
85°	2680	2729	2624



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.9	3.8
10°-20°	390.0	10.0
20°-30°	567.2	14.5
30°-40°	674.9	17.2
40°-50°	700.8	17.9
50°-60°	634.9	16.2
60°-70°	479.1	12.2
70°-80°	261.0	6.7
80°-90°	57.4	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°	1106.1	28.3
0°-40°	1781.0	45.5
0°-60°	3116.6	79.6
0°-90°	3914.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3914.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1685	1685	1685	1685	1685	
5°	1612	1608	1600	1600	1600	150
15°	1380	1377	1378	1387	1391	390
25°	1212	1222	1232	1242	1239	558
35°	1050	1063	1081	1098	1092	657
45°	872	888	918	928	929	674
55°	673	689	725	730	728	601
65°	453	466	499	498	496	448
75°	229	238	253	254	250	244
85°	43	44	44	44	42	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1685.1	1685.1	1685.1	1685.1	1685.1
2.5°	1670.3	1668.7	1663.2	1661.1	1660.6
5°	1611.8	1608.0	1600.4	1599.6	1600.4
7.5°	1541.9	1537.7	1530.1	1533.1	1536.9
10°	1483.0	1472.4	1469.5	1473.7	1480.9
12.5°	1430.3	1421.9	1419.4	1430.3	1435.4
15°	1380.2	1376.8	1377.7	1387.0	1391.2
17.5°	1336.9	1334.8	1340.2	1347.4	1349.5
20°	1293.5	1297.7	1302.8	1310.3	1312.9
22.5°	1251.0	1259.0	1267.4	1277.5	1274.1
25°	1211.8	1221.9	1231.6	1241.7	1238.8
27.5°	1170.1	1181.9	1195.4	1206.3	1202.1
30°	1130.1	1144.9	1157.9	1171.4	1165.1
32.5°	1090.6	1104.4	1120.0	1136.4	1129.3
35°	1050.5	1063.2	1081.3	1097.7	1092.2
37.5°	1006.3	1021.9	1042.5	1056.8	1053.1
40°	965.1	979.4	1004.2	1013.5	1012.6
42.5°	923.4	935.2	961.3	971.8	970.1
45°	872.4	888.0	917.9	928.0	928.9
47.5°	827.4	840.4	872.4	880.4	882.1
50°	775.6	792.0	824.0	833.7	835.0
52.5°	724.6	742.3	775.2	781.9	783.2
55°	672.8	688.8	724.6	729.7	727.6
57.5°	618.5	637.9	670.8	673.3	675.4
60°	565.5	582.3	614.3	617.7	613.1
62.5°	507.8	525.1	557.9	558.7	554.9
65°	453.0	466.1	499.4	498.5	496.0
67.5°	395.8	411.8	436.2	437.0	435.0
70°	342.3	353.3	376.8	377.3	372.2
72.5°	284.6	296.4	315.4	312.9	311.6
75°	228.6	237.9	252.6	254.3	250.1
77.5°	177.3	184.0	195.0	193.7	189.0
80°	124.6	130.1	138.1	136.4	131.4
82.5°	79.6	83.0	88.0	85.9	83.8
85°	43.4	43.8	44.2	43.8	42.5
87.5°	16.0	16.4	16.4	16.0	14.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)