

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: P490118

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2HI-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: P490118
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-30-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

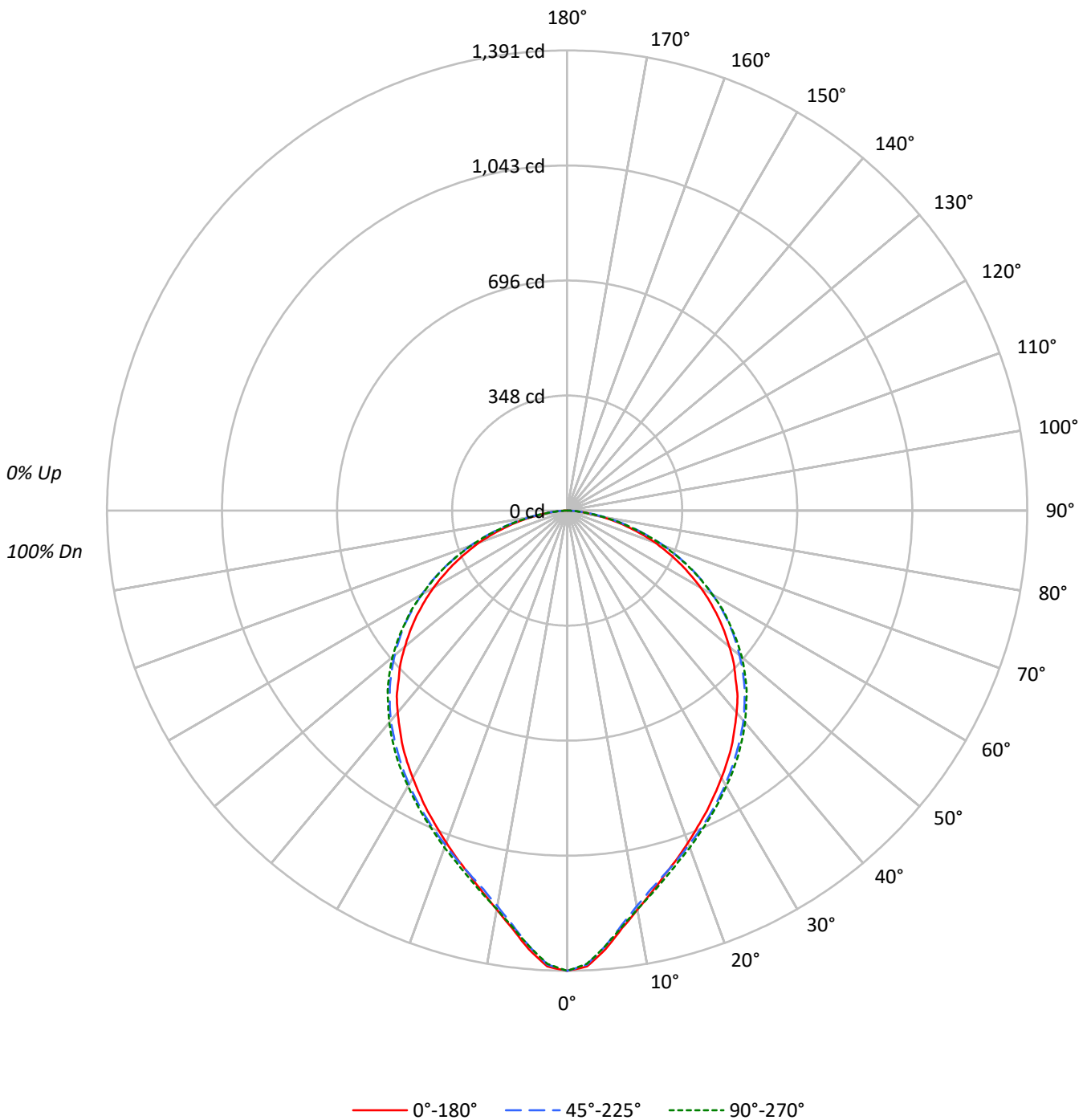
Lumens per Lamp: N/A
Luminaire Lumens: 3232.0 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	7488	7488	7488
5°	7190	7139	7139
10°	6692	6631	6683
15°	6350	6338	6400
20°	6117	6161	6209
25°	5942	6039	6074
30°	5799	5942	5978
35°	5700	5866	5926
40°	5599	5826	5875
45°	5483	5769	5838
50°	5362	5697	5773
55°	5213	5614	5637
60°	5026	5461	5449
65°	4764	5251	5216
70°	4449	4897	4837
75°	3926	4338	4294
80°	3189	3533	3363
85°	2211	2254	2167



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.9	3.8
10°-20°	322.1	10.0
20°-30°	468.3	14.5
30°-40°	557.3	17.2
40°-50°	578.7	17.9
50°-60°	524.2	16.2
60°-70°	395.6	12.2
70°-80°	215.5	6.7
80°-90°	47.4	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°	913.3	28.3
0°-40°	1470.6	45.5
0°-60°	2573.5	79.6
0°-90°	3232.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3232.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1391	1391	1391	1391	1391	
5°	1331	1328	1322	1321	1322	124
15°	1140	1137	1138	1145	1149	322
25°	1001	1009	1017	1025	1023	461
35°	868	878	893	906	902	542
45°	720	733	758	766	767	557
55°	556	569	598	602	601	496
65°	374	385	412	412	410	370
75°	189	196	209	210	206	201
85°	36	36	36	36	35	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1391.4	1391.4	1391.4	1391.4	1391.4
2.5°	1379.3	1377.9	1373.3	1371.6	1371.2
5°	1330.9	1327.8	1321.5	1320.9	1321.5
7.5°	1273.2	1269.7	1263.5	1265.9	1269.0
10°	1224.5	1215.8	1213.4	1216.9	1222.8
12.5°	1181.1	1174.1	1172.0	1181.1	1185.3
15°	1139.7	1136.9	1137.6	1145.3	1148.7
17.5°	1103.9	1102.2	1106.7	1112.6	1114.3
20°	1068.1	1071.6	1075.7	1082.0	1084.1
22.5°	1033.0	1039.6	1046.5	1054.9	1052.1
25°	1000.6	1009.0	1017.0	1025.3	1022.9
27.5°	966.2	975.9	987.1	996.1	992.6
30°	933.2	945.3	956.1	967.2	962.0
32.5°	900.5	912.0	924.8	938.4	932.5
35°	867.5	877.9	892.9	906.4	901.9
37.5°	831.0	843.8	860.8	872.7	869.6
40°	796.9	808.7	829.2	836.9	836.2
42.5°	762.5	772.2	793.8	802.4	801.1
45°	720.4	733.3	757.9	766.3	767.0
47.5°	683.2	694.0	720.4	727.0	728.4
50°	640.4	654.0	680.4	688.4	689.5
52.5°	598.3	612.9	640.1	645.6	646.7
55°	555.6	568.8	598.3	602.5	600.8
57.5°	510.8	526.7	553.9	555.9	557.7
60°	466.9	480.8	507.3	510.0	506.2
62.5°	419.3	433.6	460.7	461.4	458.2
65°	374.1	384.9	412.3	411.7	409.6
67.5°	326.8	340.0	360.2	360.9	359.2
70°	282.7	291.7	311.2	311.5	307.4
72.5°	235.0	244.8	260.4	258.3	257.3
75°	188.8	196.4	208.6	210.0	206.5
77.5°	146.4	151.9	161.0	159.9	156.1
80°	102.9	107.4	114.0	112.7	108.5
82.5°	65.7	68.5	72.7	70.9	69.2
85°	35.8	36.1	36.5	36.1	35.1
87.5°	13.2	13.6	13.6	13.2	12.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)