

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: P489980

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2HI-50-120-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: P489980
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-115-8)
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-A12125-LD4-2HI-50-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

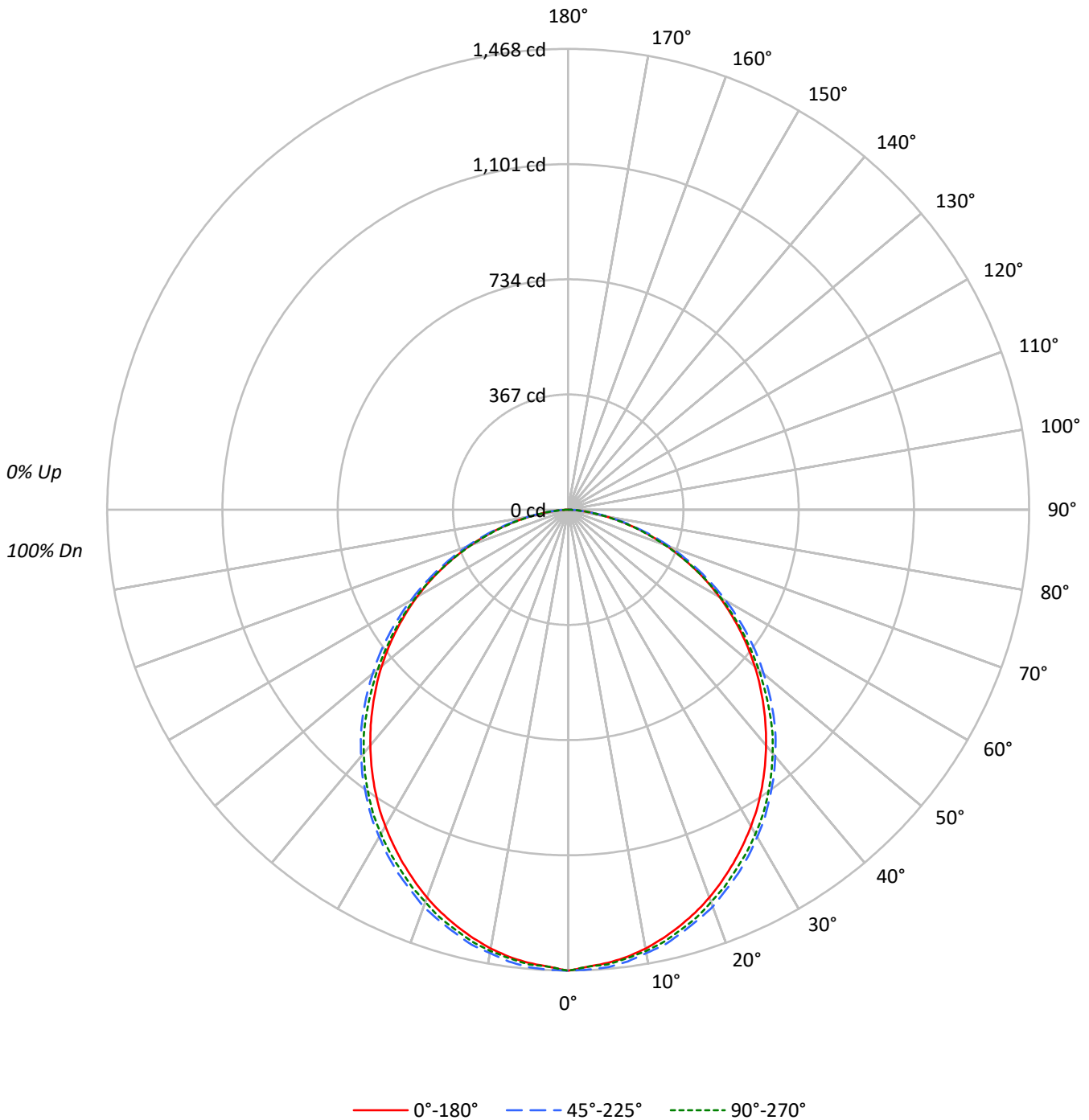
Lumens per Lamp: N/A
Luminaire Lumens: 3860.4 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71
3	91	80	72	66	88	79	71	65	76	70	64	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	51
5	77	64	55	48	75	63	54	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	41	52	46	41	39
7	66	52	44	38	64	51	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	33	46	38	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7903	7903	7903
5°	7829	7903	7854
10°	7758	7836	7799
15°	7650	7774	7719
20°	7530	7709	7616
25°	7383	7598	7510
30°	7234	7479	7411
35°	7071	7351	7283
40°	6887	7205	7113
45°	6694	7032	6899
50°	6493	6807	6629
55°	6258	6550	6350
60°	5991	6240	6047
65°	5647	5862	5650
70°	5194	5405	5138
75°	4575	4781	4504
80°	3716	3877	3676
85°	2587	2760	2692



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.3	3.6
10°-20°	391.9	10.2
20°-30°	584.5	15.1
30°-40°	692.6	17.9
40°-50°	700.8	18.2
50°-60°	612.1	15.9
60°-70°	447.3	11.6
70°-80°	238.0	6.2
80°-90°	55.0	1.4
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°	1114.7	28.9
0°-40°	1807.3	46.8
0°-60°	3120.2	80.8
0°-90°	3860.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3860.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1468	1468	1468	1468	1468	
5°	1449	1452	1463	1466	1454	137
15°	1373	1382	1395	1404	1385	387
25°	1243	1259	1279	1284	1265	573
35°	1076	1093	1119	1127	1108	673
45°	880	895	924	925	906	679
55°	667	680	698	688	677	596
65°	443	452	460	451	444	439
75°	220	225	230	222	217	234
85°	42	43	45	45	44	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1468.4	1468.4	1468.4	1468.4	1468.4
2.5°	1456.9	1461.6	1466.5	1468.7	1456.7
5°	1449.2	1452.0	1462.9	1466.2	1453.8
7.5°	1436.7	1440.8	1451.4	1452.9	1441.0
10°	1419.6	1426.9	1433.9	1441.6	1427.1
12.5°	1397.7	1407.6	1419.6	1420.9	1409.9
15°	1373.0	1382.2	1395.2	1403.6	1385.4
17.5°	1345.5	1354.4	1371.2	1372.7	1361.7
20°	1314.8	1325.8	1346.0	1349.5	1329.8
22.5°	1279.9	1294.7	1311.5	1314.9	1300.4
25°	1243.3	1258.6	1279.4	1284.2	1264.7
27.5°	1205.1	1219.8	1243.2	1246.5	1230.2
30°	1164.1	1177.8	1203.5	1209.2	1192.5
32.5°	1122.5	1136.2	1164.7	1169.4	1153.2
35°	1076.3	1093.1	1118.9	1126.7	1108.5
37.5°	1029.1	1045.5	1074.9	1081.9	1062.3
40°	980.3	996.6	1025.5	1031.3	1012.5
42.5°	930.5	946.7	977.6	978.5	962.9
45°	879.5	895.1	923.9	924.6	906.4
47.5°	827.8	843.6	869.3	866.4	849.2
50°	775.5	790.5	813.0	807.2	791.7
52.5°	721.3	735.9	757.1	747.6	733.1
55°	666.9	680.3	698.1	688.0	676.7
57.5°	611.9	625.6	639.2	628.9	619.1
60°	556.6	568.5	579.7	569.3	561.8
62.5°	500.3	510.5	520.2	510.2	503.2
65°	443.4	452.4	460.3	451.2	443.7
67.5°	386.7	394.4	401.7	392.3	384.5
70°	330.1	336.7	343.5	333.7	326.5
72.5°	274.3	280.1	286.1	276.6	270.3
75°	220.0	225.0	229.9	221.5	216.6
77.5°	168.1	172.4	175.8	170.4	165.7
80°	119.9	123.2	125.1	123.0	118.6
82.5°	77.1	79.4	80.5	80.3	77.4
85°	41.9	42.7	44.7	45.1	43.6
87.5°	16.2	17.3	17.7	19.1	17.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)