

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: P489972

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2HI-27-120-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: P489972
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-27-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

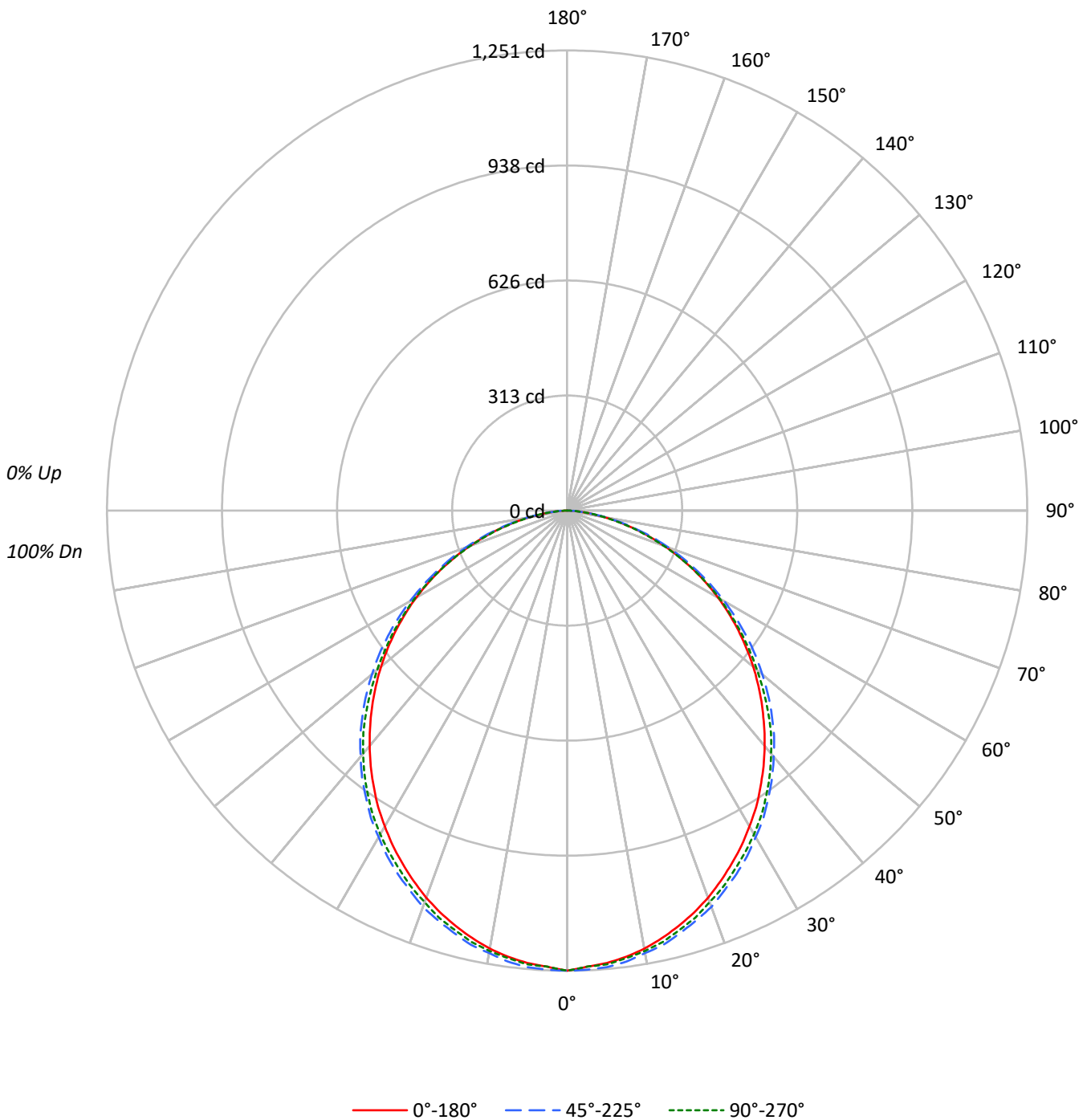
Lumens per Lamp: N/A
Luminaire Lumens: 3288.5 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 43.2
Input Voltage (V): NR
Input Current (A_{in}): 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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CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-2HI-27-120-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	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°	6732	6732	6732
5°	6669	6732	6690
10°	6609	6675	6643
15°	6517	6622	6576
20°	6415	6567	6488
25°	6289	6472	6398
30°	6162	6371	6313
35°	6024	6263	6204
40°	5867	6137	6060
45°	5702	5990	5877
50°	5531	5798	5647
55°	5331	5580	5408
60°	5103	5315	5151
65°	4810	4993	4812
70°	4425	4604	4376
75°	3897	4074	3837
80°	3168	3304	3130
85°	2205	2353	2291



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.8	3.6
10°-20°	333.8	10.2
20°-30°	497.9	15.1
30°-40°	590.0	17.9
40°-50°	597.0	18.2
50°-60°	521.4	15.9
60°-70°	381.0	11.6
70°-80°	202.7	6.2
80°-90°	46.8	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°	949.5	28.9
0°-40°	1539.5	46.8
0°-60°	2657.9	80.8
0°-90°	3288.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3288.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1251	1251	1251	1251	1251	
5°	1234	1237	1246	1249	1238	117
15°	1170	1178	1188	1196	1180	330
25°	1059	1072	1090	1094	1077	488
35°	917	931	953	960	944	573
45°	749	762	787	788	772	578
55°	568	580	595	586	576	508
65°	378	385	392	384	378	374
75°	187	192	196	189	184	199
85°	36	36	38	38	37	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1250.8	1250.8	1250.8	1250.8	1250.8
2.5°	1241.1	1245.1	1249.3	1251.1	1240.9
5°	1234.5	1236.9	1246.1	1249.0	1238.4
7.5°	1223.9	1227.4	1236.4	1237.7	1227.5
10°	1209.3	1215.5	1221.5	1228.0	1215.6
12.5°	1190.6	1199.1	1209.3	1210.4	1201.0
15°	1169.6	1177.5	1188.5	1195.7	1180.2
17.5°	1146.2	1153.7	1168.1	1169.4	1160.0
20°	1120.0	1129.4	1146.6	1149.6	1132.8
22.5°	1090.3	1102.9	1117.2	1120.1	1107.7
25°	1059.1	1072.2	1089.9	1093.9	1077.4
27.5°	1026.5	1039.1	1059.0	1061.9	1047.9
30°	991.6	1003.3	1025.2	1030.1	1015.9
32.5°	956.2	967.9	992.1	996.2	982.4
35°	916.8	931.1	953.2	959.8	944.3
37.5°	876.7	890.6	915.6	921.6	905.0
40°	835.1	848.9	873.5	878.5	862.5
42.5°	792.6	806.4	832.8	833.5	820.2
45°	749.2	762.5	787.0	787.7	772.2
47.5°	705.2	718.6	740.5	738.0	723.4
50°	660.6	673.4	692.5	687.6	674.4
52.5°	614.5	626.8	645.0	636.9	624.5
55°	568.1	579.5	594.7	586.1	576.4
57.5°	521.3	532.9	544.5	535.8	527.4
60°	474.1	484.3	493.8	484.9	478.5
62.5°	426.2	434.9	443.1	434.6	428.6
65°	377.7	385.4	392.1	384.3	377.9
67.5°	329.5	336.0	342.2	334.1	327.5
70°	281.2	286.8	292.6	284.2	278.1
72.5°	233.7	238.6	243.7	235.6	230.3
75°	187.4	191.7	195.9	188.7	184.5
77.5°	143.2	146.9	149.7	145.2	141.1
80°	102.2	104.9	106.6	104.8	101.0
82.5°	65.7	67.6	68.5	68.4	65.9
85°	35.7	36.4	38.1	38.4	37.1
87.5°	13.8	14.7	15.1	16.3	15.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)