

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: P489978

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2HI-40-120-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: P489978  
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-40-120-EDD-90  
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

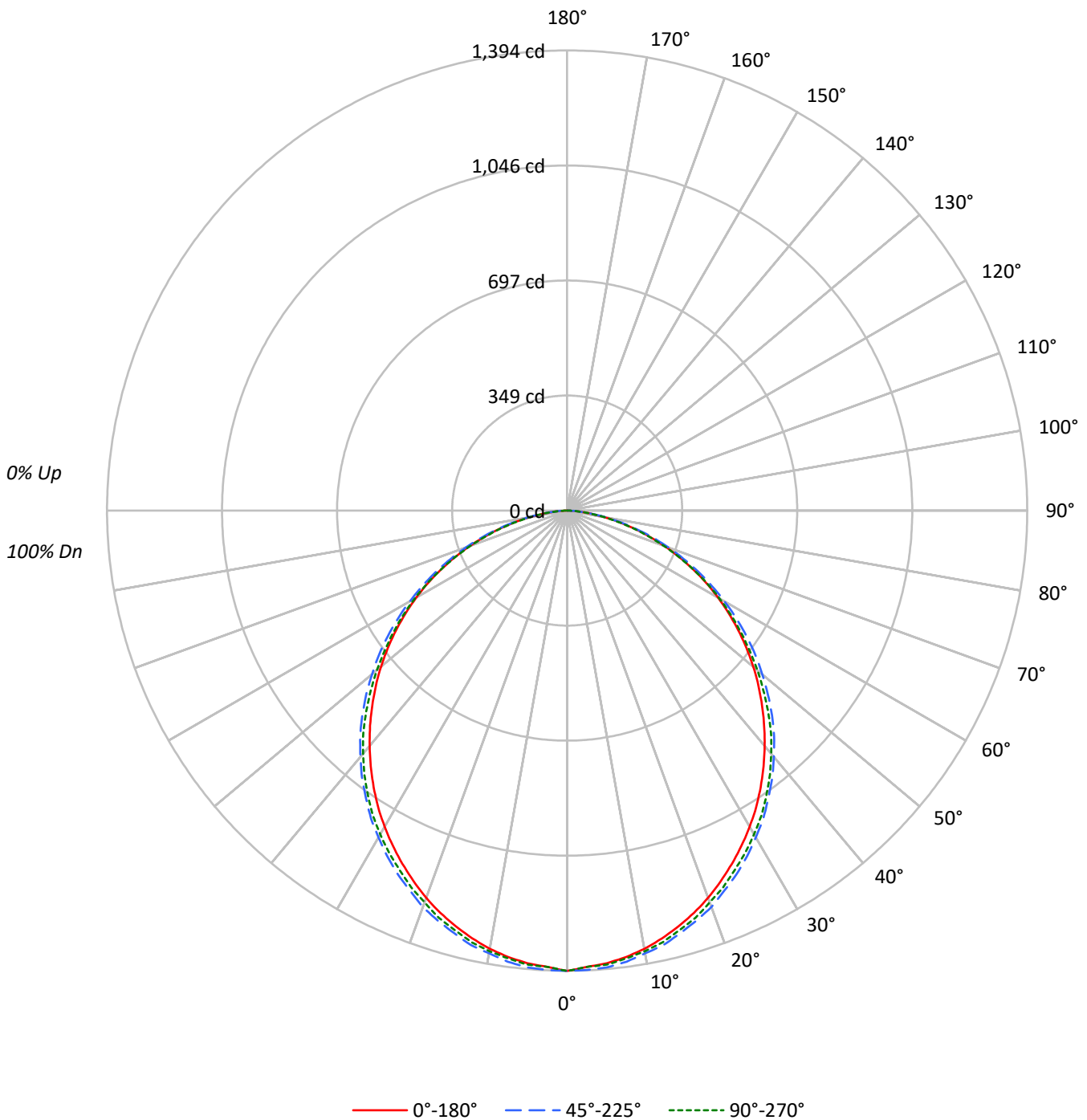
Lumens per Lamp: N/A  
Luminaire Lumens: 3666.1 lumens  
Efficiency: N/A  
Efficacy: 84.9 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P489978

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-2HI-40-120-EDD-90

### Luminous Intensity Polar Plot





TEST NUMBER: P489978

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-2HI-40-120-EDD-90

**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°	7505	7505	7505
5°	7435	7505	7459
10°	7367	7442	7406
15°	7265	7383	7331
20°	7151	7321	7233
25°	7011	7215	7133
30°	6870	7103	7038
35°	6715	6981	6916
40°	6541	6842	6755
45°	6357	6678	6552
50°	6167	6464	6296
55°	5942	6220	6030
60°	5690	5926	5743
65°	5361	5568	5365
70°	4933	5133	4878
75°	4344	4541	4277
80°	3530	3682	3490
85°	2458	2618	2556



TEST NUMBER: P489978

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-2HI-40-120-EDD-90

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.3	3.6
10°-20°	372.2	10.2
20°-30°	555.1	15.1
30°-40°	657.8	17.9
40°-50°	665.5	18.2
50°-60°	581.3	15.9
60°-70°	424.7	11.6
70°-80°	226.0	6.2
80°-90°	52.2	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°	1058.6	28.9
0°-40°	1716.3	46.8
0°-60°	2963.1	80.8
0°-90°	3666.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3666.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1394	1394	1394	1394	1394	
5°	1376	1379	1389	1392	1381	131
15°	1304	1313	1325	1333	1316	368
25°	1181	1195	1215	1220	1201	544
35°	1022	1038	1063	1070	1053	639
45°	835	850	877	878	861	644
55°	633	646	663	653	643	566
65°	421	430	437	428	421	417
75°	209	214	218	210	206	222
85°	40	40	42	43	41	50
90°	0	0	0	0	0	



TEST NUMBER: P489978

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-2HI-40-120-EDD-90

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1394.5	1394.5	1394.5	1394.5	1394.5
2.5°	1383.6	1388.1	1392.7	1394.7	1383.4
5°	1376.3	1378.9	1389.2	1392.4	1380.7
7.5°	1364.4	1368.3	1378.3	1379.8	1368.4
10°	1348.1	1355.1	1361.8	1369.0	1355.2
12.5°	1327.3	1336.8	1348.1	1349.4	1339.0
15°	1303.9	1312.7	1325.0	1333.0	1315.7
17.5°	1277.8	1286.2	1302.2	1303.7	1293.2
20°	1248.6	1259.0	1278.2	1281.6	1262.8
22.5°	1215.5	1229.6	1245.5	1248.7	1234.9
25°	1180.7	1195.3	1215.0	1219.5	1201.1
27.5°	1144.4	1158.4	1180.6	1183.8	1168.2
30°	1105.5	1118.6	1143.0	1148.3	1132.5
32.5°	1066.0	1079.0	1106.1	1110.6	1095.2
35°	1022.1	1038.1	1062.6	1070.0	1052.7
37.5°	977.3	992.9	1020.8	1027.5	1008.9
40°	931.0	946.4	973.9	979.4	961.5
42.5°	883.6	899.0	928.4	929.2	914.4
45°	835.2	850.1	877.4	878.1	860.8
47.5°	786.1	801.1	825.5	822.8	806.5
50°	736.5	750.7	772.0	766.5	751.9
52.5°	685.0	698.8	719.0	710.0	696.2
55°	633.3	646.1	662.9	653.4	642.6
57.5°	581.1	594.1	607.0	597.3	588.0
60°	528.6	539.9	550.5	540.6	533.5
62.5°	475.1	484.8	494.0	484.5	477.8
65°	421.0	429.6	437.2	428.4	421.3
67.5°	367.3	374.5	381.5	372.5	365.1
70°	313.5	319.8	326.2	316.9	310.0
72.5°	260.5	266.0	271.7	262.7	256.7
75°	208.9	213.7	218.4	210.4	205.7
77.5°	159.7	163.7	166.9	161.8	157.3
80°	113.9	117.0	118.8	116.8	112.6
82.5°	73.2	75.4	76.4	76.3	73.5
85°	39.8	40.5	42.4	42.9	41.4
87.5°	15.4	16.4	16.9	18.2	16.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)