

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: P489976

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2HI-35-120-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: P489976
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-35-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

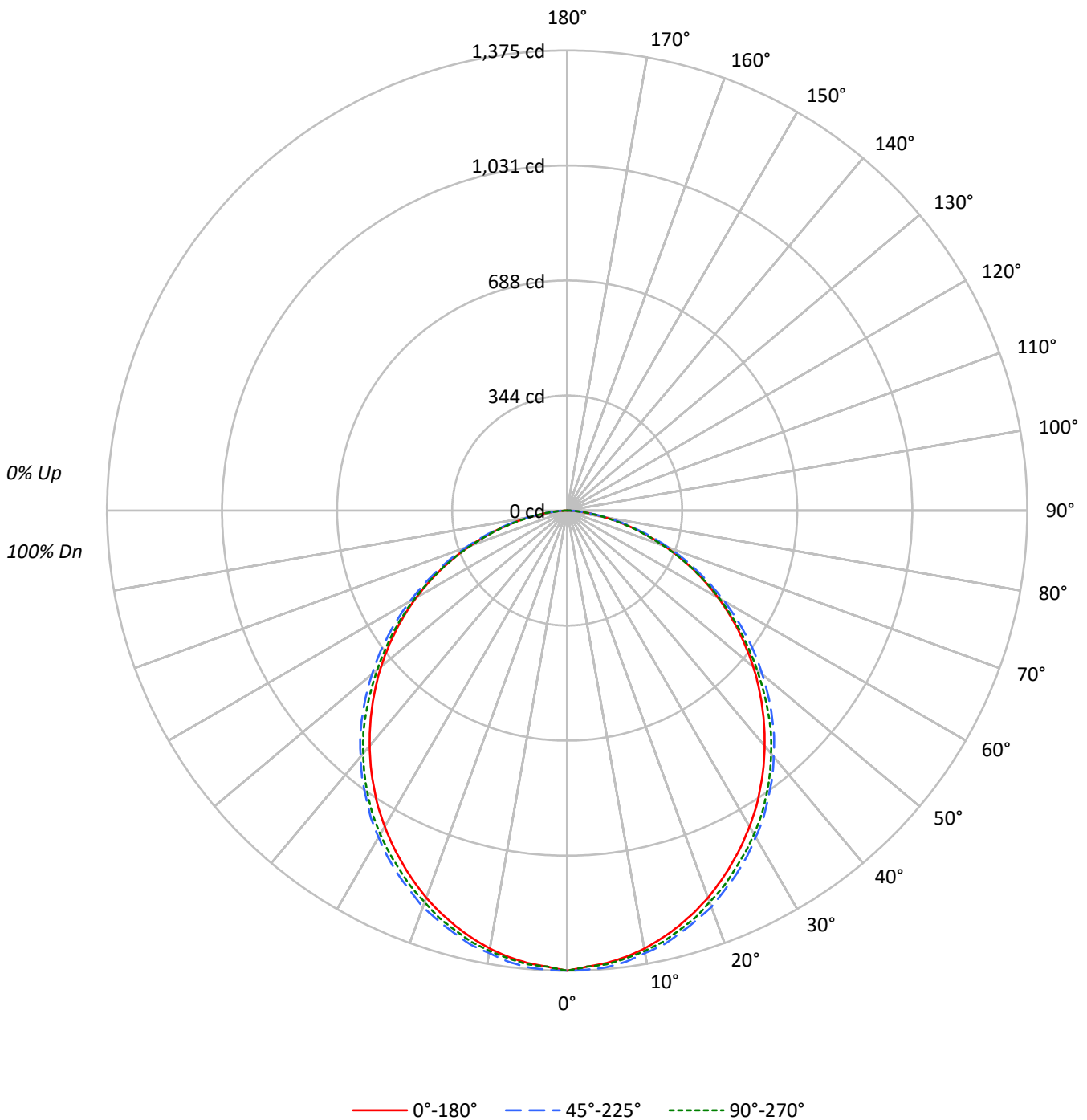
Lumens per Lamp: N/A
Luminaire Lumens: 3614.8 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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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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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85				85
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71				71
3	91	80	72	66	88	79	71	65	76	70	64	73	68	63	71	66	62	60				60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	51				51
5	77	64	55	48	75	63	54	48	61	53	48	59	52	47	57	51	47	45				45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	41	52	46	41	39				39
7	66	52	44	38	64	51	43	37	50	43	37	49	42	37	47	41	37	35				35
8	61	48	39	34	60	47	39	33	46	38	33	45	38	33	43	37	33	31				31
9	57	44	36	30	56	43	35	30	42	35	30	41	35	30	40	34	30	28				28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25				25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7400	7400	7400
5°	7331	7400	7354
10°	7264	7338	7303
15°	7164	7280	7228
20°	7051	7218	7132
25°	6913	7114	7033
30°	6774	7004	6940
35°	6621	6884	6820
40°	6450	6746	6660
45°	6269	6584	6460
50°	6080	6373	6207
55°	5859	6134	5945
60°	5610	5843	5662
65°	5286	5489	5290
70°	4864	5061	4810
75°	4284	4477	4217
80°	3481	3632	3440
85°	2427	2581	2519



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.5	3.6
10°-20°	367.0	10.2
20°-30°	547.3	15.1
30°-40°	648.5	17.9
40°-50°	656.2	18.2
50°-60°	573.1	15.9
60°-70°	418.8	11.6
70°-80°	222.8	6.2
80°-90°	51.5	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°	1043.7	28.9
0°-40°	1692.3	46.8
0°-60°	2921.6	80.8
0°-90°	3614.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3614.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1375	1375	1375	1375	1375	
5°	1357	1360	1370	1373	1361	129
15°	1286	1294	1306	1314	1297	362
25°	1164	1178	1198	1202	1184	536
35°	1008	1024	1048	1055	1038	630
45°	824	838	865	866	849	635
55°	624	637	654	644	634	558
65°	415	424	431	422	415	411
75°	206	211	215	207	203	219
85°	39	40	42	42	41	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1374.9	1374.9	1374.9	1374.9	1374.9
2.5°	1364.2	1368.6	1373.2	1375.2	1364.1
5°	1357.0	1359.6	1369.8	1372.9	1361.3
7.5°	1345.3	1349.2	1359.0	1360.5	1349.3
10°	1329.2	1336.1	1342.7	1349.9	1336.3
12.5°	1308.8	1318.1	1329.2	1330.5	1320.2
15°	1285.7	1294.3	1306.5	1314.3	1297.3
17.5°	1259.9	1268.2	1284.0	1285.4	1275.1
20°	1231.1	1241.4	1260.3	1263.6	1245.2
22.5°	1198.5	1212.3	1228.1	1231.3	1217.6
25°	1164.2	1178.5	1198.0	1202.5	1184.3
27.5°	1128.4	1142.2	1164.1	1167.2	1151.9
30°	1090.0	1102.9	1127.0	1132.3	1116.7
32.5°	1051.0	1063.9	1090.6	1095.0	1079.8
35°	1007.8	1023.5	1047.8	1055.1	1038.0
37.5°	963.7	979.0	1006.5	1013.1	994.7
40°	918.0	933.1	960.2	965.7	948.0
42.5°	871.3	886.4	915.4	916.2	901.6
45°	823.6	838.2	865.1	865.8	848.8
47.5°	775.1	789.9	814.0	811.2	795.2
50°	726.1	740.2	761.2	755.8	741.3
52.5°	675.4	689.0	709.0	700.1	686.5
55°	624.4	637.0	653.7	644.2	633.6
57.5°	573.0	585.8	598.5	588.9	579.7
60°	521.2	532.3	542.8	533.0	526.0
62.5°	468.4	478.0	487.1	477.7	471.2
65°	415.1	423.6	431.0	422.5	415.4
67.5°	362.1	369.3	376.2	367.3	360.0
70°	309.1	315.3	321.6	312.4	305.7
72.5°	256.9	262.3	267.9	259.0	253.1
75°	206.0	210.7	215.3	207.4	202.8
77.5°	157.4	161.4	164.6	159.6	155.1
80°	112.3	115.3	117.2	115.2	111.0
82.5°	72.2	74.3	75.4	75.2	72.5
85°	39.3	40.0	41.8	42.3	40.8
87.5°	15.2	16.2	16.6	17.9	16.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)