

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: P490003

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2STD-40-120-EDD**

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: P490003
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-LD4-2STD-40-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

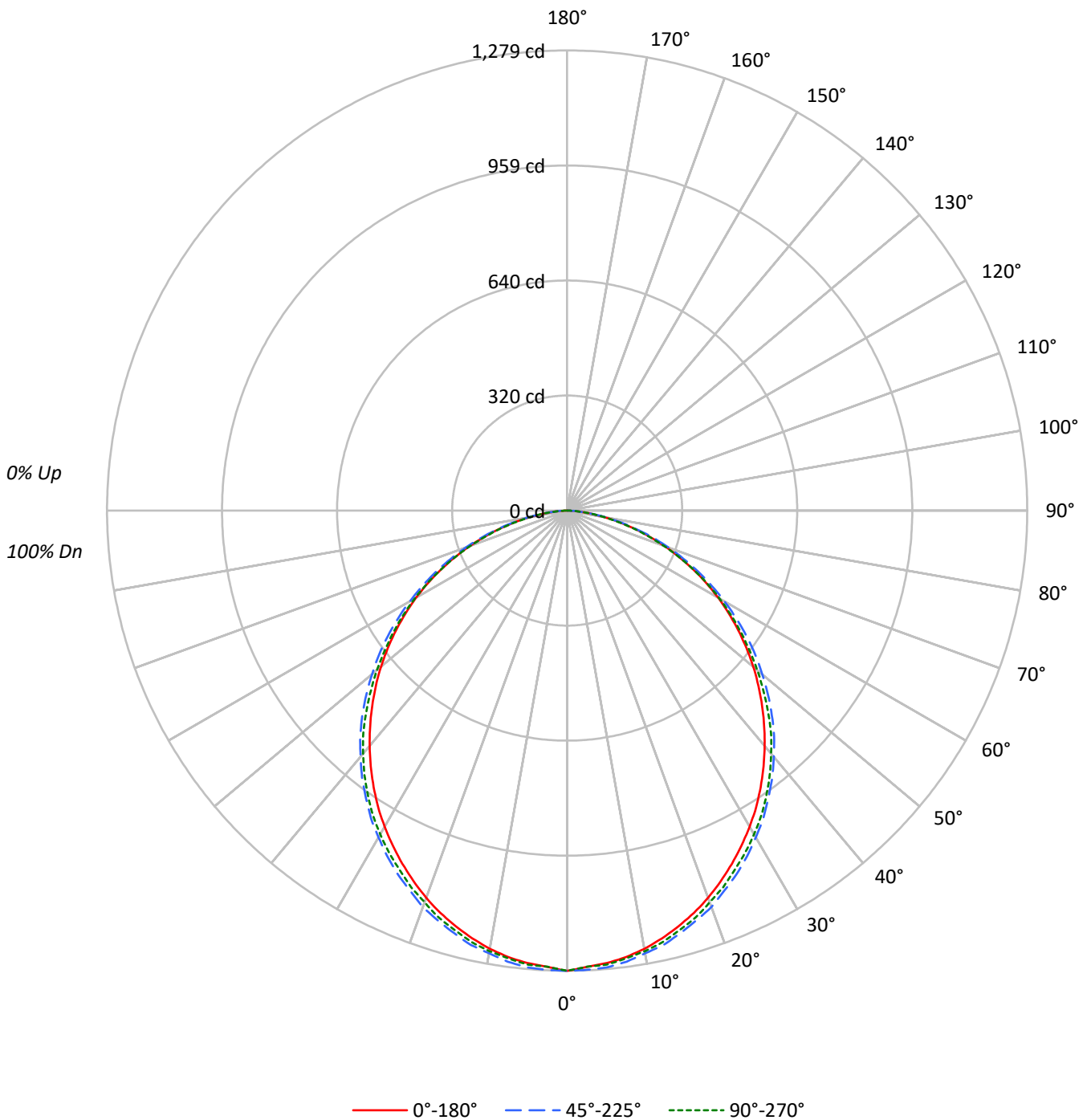
Lumens per Lamp: N/A
Luminaire Lumens: 3363.3 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 33.3
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°	6885	6885	6885
5°	6821	6886	6843
10°	6759	6827	6795
15°	6665	6773	6725
20°	6561	6716	6635
25°	6432	6619	6543
30°	6303	6517	6457
35°	6161	6405	6345
40°	6001	6277	6197
45°	5832	6126	6011
50°	5657	5930	5776
55°	5452	5707	5531
60°	5219	5436	5268
65°	4919	5108	4922
70°	4526	4708	4475
75°	3986	4165	3924
80°	3239	3378	3202
85°	2254	2402	2347



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.5	3.6
10°-20°	341.4	10.2
20°-30°	509.2	15.1
30°-40°	603.4	17.9
40°-50°	610.6	18.2
50°-60°	533.2	15.9
60°-70°	389.7	11.6
70°-80°	207.3	6.2
80°-90°	47.9	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°	971.1	28.9
0°-40°	1574.6	46.8
0°-60°	2718.4	80.8
0°-90°	3363.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3363.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1279	1279	1279	1279	1279	
5°	1263	1265	1274	1277	1267	120
15°	1196	1204	1216	1223	1207	337
25°	1083	1096	1115	1119	1102	499
35°	938	952	975	982	966	586
45°	766	780	805	806	790	591
55°	581	593	608	599	590	519
65°	386	394	401	393	386	382
75°	192	196	200	193	189	204
85°	36	37	39	39	38	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1279.3	1279.3	1279.3	1279.3	1279.3
2.5°	1269.3	1273.4	1277.7	1279.5	1269.1
5°	1262.6	1265.0	1274.5	1277.4	1266.6
7.5°	1251.7	1255.3	1264.5	1265.8	1255.4
10°	1236.8	1243.2	1249.3	1256.0	1243.3
12.5°	1217.7	1226.4	1236.8	1238.0	1228.4
15°	1196.2	1204.2	1215.6	1222.9	1207.0
17.5°	1172.3	1180.0	1194.6	1196.0	1186.4
20°	1145.5	1155.1	1172.7	1175.7	1158.5
22.5°	1115.1	1128.0	1142.7	1145.6	1132.9
25°	1083.2	1096.5	1114.7	1118.8	1101.9
27.5°	1049.9	1062.7	1083.1	1086.0	1071.8
30°	1014.2	1026.2	1048.6	1053.5	1039.0
32.5°	977.9	989.9	1014.7	1018.8	1004.7
35°	937.7	952.3	974.9	981.7	965.8
37.5°	896.6	910.9	936.5	942.6	925.5
40°	854.1	868.2	893.4	898.5	882.1
42.5°	810.6	824.8	851.7	852.5	838.9
45°	766.3	779.9	804.9	805.6	789.7
47.5°	721.2	734.9	757.3	754.8	739.9
50°	675.6	688.7	708.3	703.2	689.8
52.5°	628.4	641.1	659.6	651.4	638.7
55°	581.0	592.7	608.2	599.4	589.5
57.5°	533.1	545.0	556.9	547.9	539.4
60°	484.9	495.3	505.0	496.0	489.4
62.5°	435.8	444.8	453.2	444.5	438.4
65°	386.3	394.1	401.1	393.1	386.5
67.5°	336.9	343.6	350.0	341.7	334.9
70°	287.6	293.4	299.2	290.7	284.4
72.5°	239.0	244.0	249.2	241.0	235.5
75°	191.7	196.1	200.3	193.0	188.7
77.5°	146.5	150.2	153.1	148.5	144.3
80°	104.5	107.3	109.0	107.2	103.3
82.5°	67.2	69.2	70.1	70.0	67.4
85°	36.5	37.2	38.9	39.3	38.0
87.5°	14.1	15.1	15.5	16.7	15.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)