

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: P489974

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2HI-30-120-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: P489974
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-30-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

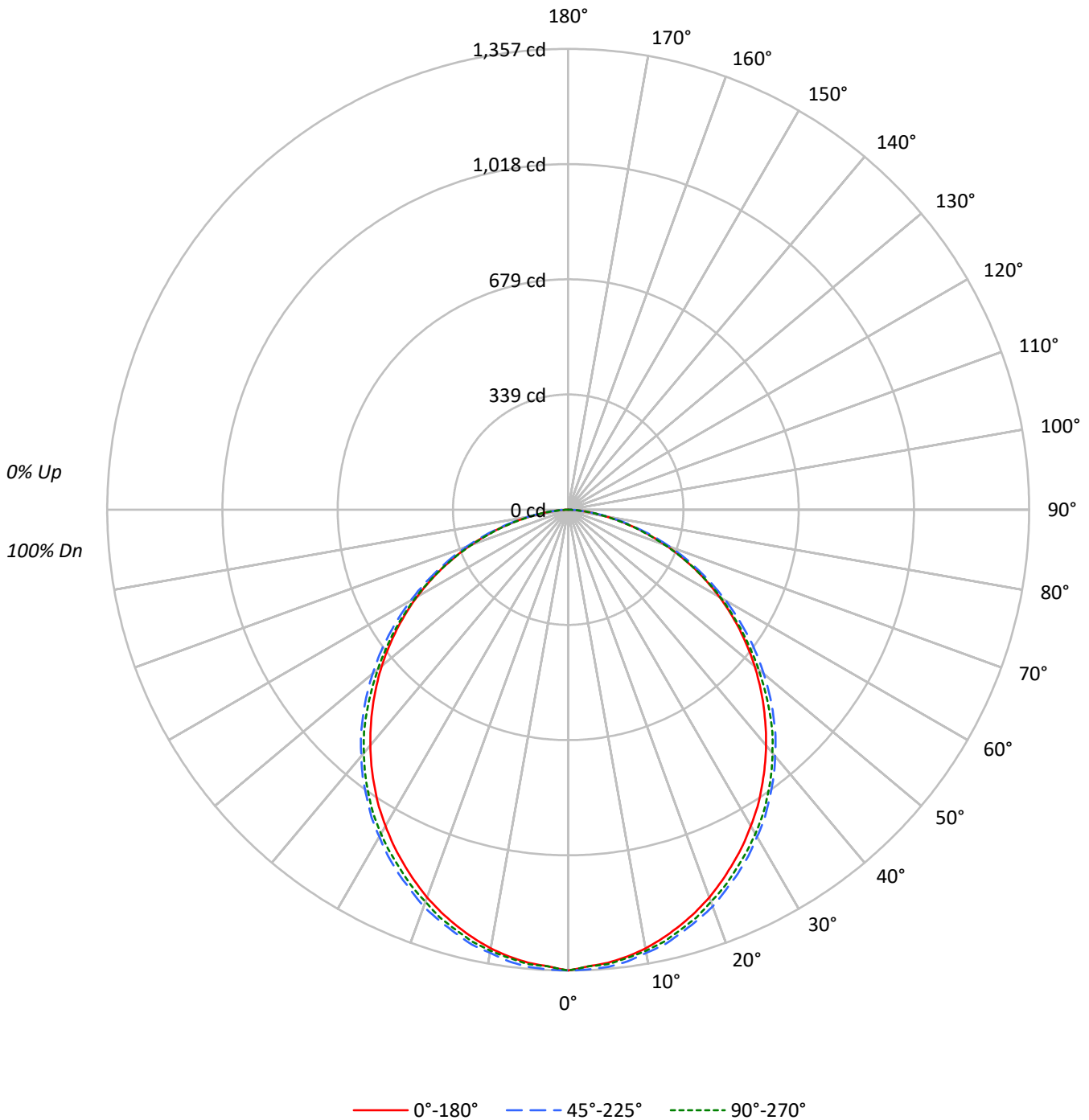
Lumens per Lamp: N/A
Luminaire Lumens: 3567.1 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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°	7302	7302	7302
5°	7235	7303	7258
10°	7168	7241	7206
15°	7069	7183	7133
20°	6958	7123	7037
25°	6823	7020	6940
30°	6684	6911	6848
35°	6534	6793	6730
40°	6365	6658	6572
45°	6186	6498	6375
50°	6000	6290	6126
55°	5782	6052	5866
60°	5536	5765	5588
65°	5217	5417	5221
70°	4801	4995	4747
75°	4227	4419	4163
80°	3434	3583	3397
85°	2390	2550	2489



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.8	3.6
10°-20°	362.1	10.2
20°-30°	540.1	15.1
30°-40°	640.0	17.9
40°-50°	647.6	18.2
50°-60°	565.5	15.9
60°-70°	413.3	11.6
70°-80°	219.9	6.2
80°-90°	50.8	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°	1030.0	28.9
0°-40°	1670.0	46.8
0°-60°	2883.1	80.8
0°-90°	3567.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3567.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1357	1357	1357	1357	1357	
5°	1339	1342	1352	1355	1343	127
15°	1269	1277	1289	1297	1280	358
25°	1149	1163	1182	1187	1169	529
35°	994	1010	1034	1041	1024	622
45°	813	827	854	854	838	627
55°	616	629	645	636	625	551
65°	410	418	425	417	410	405
75°	203	208	212	205	200	216
85°	39	39	41	42	40	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1356.8	1356.8	1356.8	1356.8	1356.8
2.5°	1346.2	1350.6	1355.1	1357.1	1346.1
5°	1339.1	1341.7	1351.7	1354.8	1343.4
7.5°	1327.5	1331.4	1341.1	1342.5	1331.5
10°	1311.7	1318.5	1325.0	1332.1	1318.6
12.5°	1291.5	1300.7	1311.7	1313.0	1302.8
15°	1268.7	1277.2	1289.2	1297.0	1280.2
17.5°	1243.3	1251.5	1267.0	1268.4	1258.3
20°	1214.9	1225.0	1243.7	1247.0	1228.7
22.5°	1182.6	1196.4	1211.9	1215.0	1201.6
25°	1148.9	1163.0	1182.2	1186.6	1168.6
27.5°	1113.5	1127.1	1148.7	1151.8	1136.7
30°	1075.6	1088.4	1112.1	1117.3	1101.9
32.5°	1037.2	1049.9	1076.2	1080.6	1065.6
35°	994.5	1010.0	1033.9	1041.1	1024.3
37.5°	950.9	966.1	993.2	999.7	981.6
40°	905.9	920.8	947.6	952.9	935.5
42.5°	859.8	874.8	903.3	904.2	889.7
45°	812.7	827.1	853.7	854.4	837.6
47.5°	764.9	779.5	803.2	800.5	784.7
50°	716.6	730.4	751.2	745.8	731.6
52.5°	666.5	680.0	699.6	690.8	677.4
55°	616.2	628.6	645.0	635.7	625.2
57.5°	565.5	578.0	590.6	581.1	572.1
60°	514.3	525.3	535.6	526.0	519.1
62.5°	462.3	471.7	480.6	471.4	464.9
65°	409.7	418.0	425.4	416.9	410.0
67.5°	357.4	364.4	371.2	362.5	355.2
70°	305.1	311.1	317.4	308.3	301.7
72.5°	253.5	258.8	264.3	255.6	249.8
75°	203.3	207.9	212.5	204.7	200.2
77.5°	155.4	159.3	162.4	157.5	153.1
80°	110.8	113.8	115.6	113.7	109.6
82.5°	71.2	73.4	74.4	74.2	71.5
85°	38.7	39.4	41.3	41.7	40.3
87.5°	15.0	16.0	16.4	17.7	16.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)