

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: P489954

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1LO-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: P489954
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-LD4-1LO-40-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

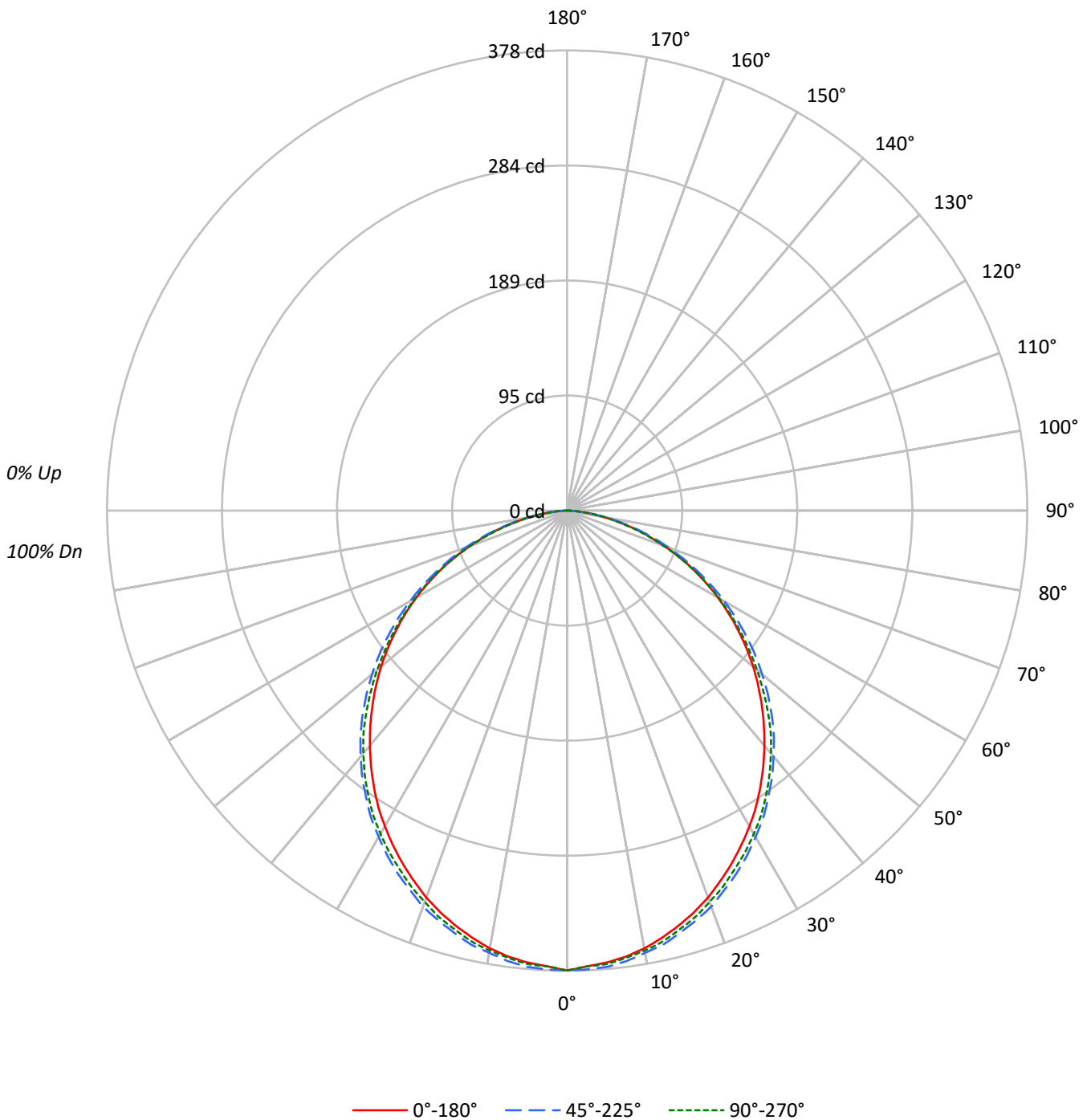
Lumens per Lamp: N/A
Luminaire Lumens: 992.9 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
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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CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-1LO-40-120-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°	2033	2033	2033
5°	2014	2032	2020
10°	1995	2015	2006
15°	1967	2000	1985
20°	1937	1983	1959
25°	1899	1954	1932
30°	1861	1924	1906
35°	1819	1891	1873
40°	1771	1853	1829
45°	1722	1808	1774
50°	1670	1751	1705
55°	1609	1684	1633
60°	1540	1605	1555
65°	1452	1508	1453
70°	1336	1389	1322
75°	1177	1229	1158
80°	955	998	945
85°	667	710	692



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.6	3.6
10°-20°	100.8	10.2
20°-30°	150.3	15.1
30°-40°	178.1	17.9
40°-50°	180.2	18.2
50°-60°	157.4	15.9
60°-70°	115.0	11.6
70°-80°	61.2	6.2
80°-90°	14.1	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°	286.7	28.9
0°-40°	464.8	46.8
0°-60°	802.5	80.8
0°-90°	992.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	992.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	378	378	378	378	378	
5°	373	374	376	377	374	35
15°	353	356	359	361	356	100
25°	320	324	329	330	325	147
35°	277	281	288	290	285	173
45°	226	230	238	238	233	175
55°	172	175	180	177	174	153
65°	114	116	118	116	114	113
75°	57	58	59	57	56	60
85°	11	11	12	12	11	14
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	377.7	377.7	377.7	377.7	377.7
2.5°	374.7	375.9	377.2	377.7	374.7
5°	372.7	373.5	376.2	377.1	373.9
7.5°	369.5	370.6	373.3	373.7	370.6
10°	365.1	367.0	368.8	370.8	367.0
12.5°	359.5	362.0	365.1	365.5	362.6
15°	353.1	355.5	358.9	361.0	356.3
17.5°	346.1	348.3	352.7	353.1	350.2
20°	338.2	341.0	346.2	347.1	342.0
22.5°	329.2	333.0	337.3	338.2	334.5
25°	319.8	323.7	329.1	330.3	325.3
27.5°	309.9	313.7	319.7	320.6	316.4
30°	299.4	302.9	309.6	311.0	306.7
32.5°	288.7	292.2	299.6	300.8	296.6
35°	276.8	281.1	287.8	289.8	285.1
37.5°	264.7	268.9	276.5	278.3	273.2
40°	252.1	256.3	263.8	265.2	260.4
42.5°	239.3	243.5	251.4	251.7	247.7
45°	226.2	230.2	237.6	237.8	233.1
47.5°	212.9	217.0	223.6	222.8	218.4
50°	199.5	203.3	209.1	207.6	203.6
52.5°	185.5	189.3	194.7	192.3	188.6
55°	171.5	175.0	179.5	176.9	174.0
57.5°	157.4	160.9	164.4	161.8	159.2
60°	143.1	146.2	149.1	146.4	144.5
62.5°	128.7	131.3	133.8	131.2	129.4
65°	114.0	116.4	118.4	116.0	114.1
67.5°	99.5	101.4	103.3	100.9	98.9
70°	84.9	86.6	88.3	85.8	84.0
72.5°	70.6	72.0	73.6	71.1	69.5
75°	56.6	57.9	59.1	57.0	55.7
77.5°	43.2	44.3	45.2	43.8	42.6
80°	30.8	31.7	32.2	31.6	30.5
82.5°	19.8	20.4	20.7	20.7	19.9
85°	10.8	11.0	11.5	11.6	11.2
87.5°	4.2	4.4	4.6	4.9	4.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)