

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: P489956

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1LO-50-120-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: P489956
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-50-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

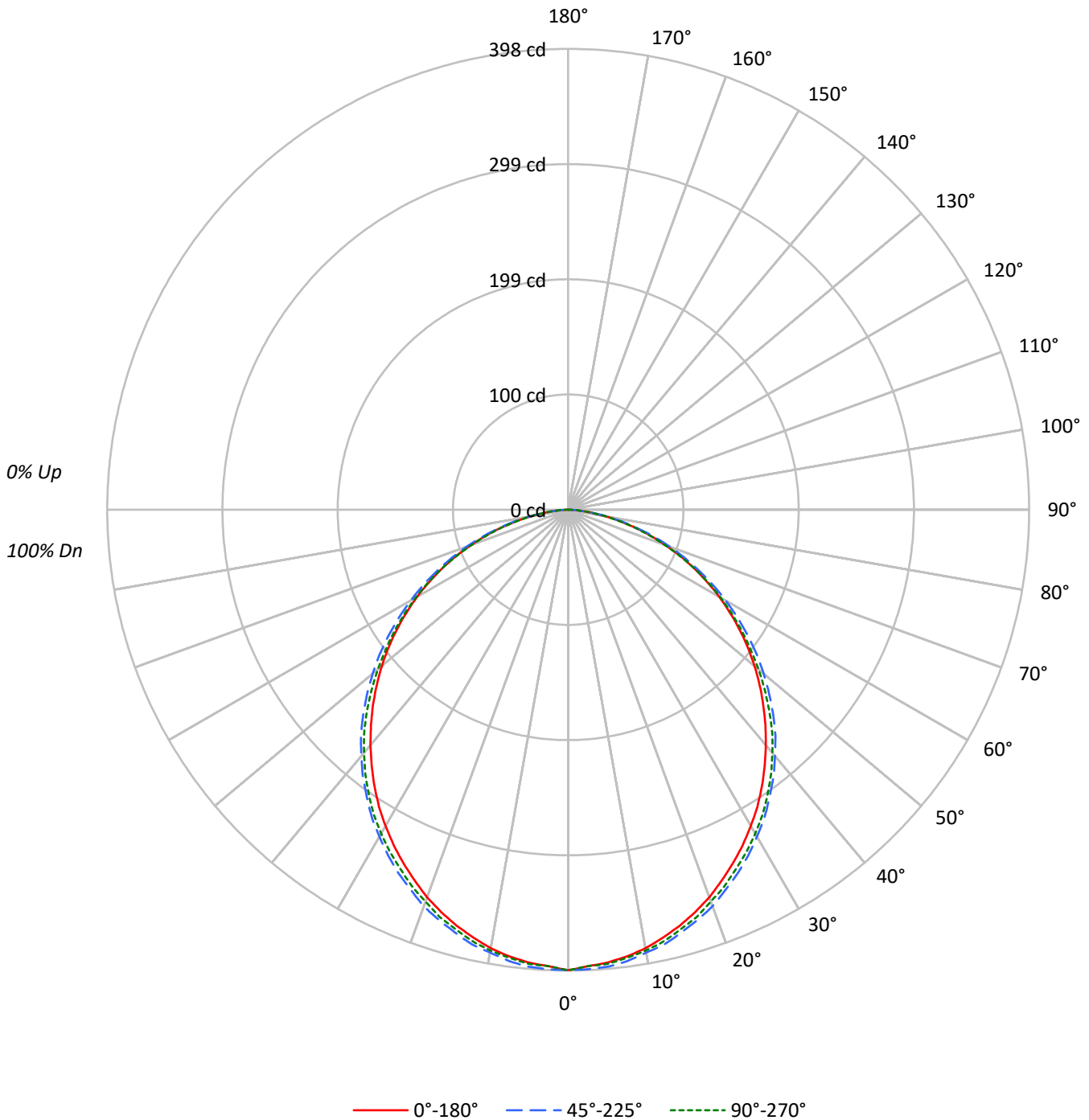
Lumens per Lamp: N/A
Luminaire Lumens: 1045.5 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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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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°	2140	2140	2140
5°	2120	2140	2127
10°	2101	2122	2112
15°	2072	2106	2091
20°	2040	2088	2062
25°	1999	2058	2034
30°	1959	2026	2007
35°	1915	1991	1972
40°	1865	1951	1926
45°	1813	1904	1869
50°	1758	1844	1795
55°	1695	1774	1720
60°	1622	1690	1637
65°	1529	1588	1531
70°	1407	1463	1391
75°	1239	1295	1221
80°	1007	1051	995
85°	704	747	729



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.5	3.6
10°-20°	106.1	10.2
20°-30°	158.3	15.1
30°-40°	187.6	17.9
40°-50°	189.8	18.2
50°-60°	165.8	15.9
60°-70°	121.1	11.6
70°-80°	64.5	6.2
80°-90°	14.9	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°	301.9	28.9
0°-40°	489.5	46.8
0°-60°	845.0	80.8
0°-90°	1045.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1045.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	398	398	398	398	398	
5°	392	393	396	397	394	37
15°	372	374	378	380	375	105
25°	337	341	346	348	342	155
35°	292	296	303	305	300	182
45°	238	242	250	250	246	184
55°	181	184	189	186	183	161
65°	120	122	125	122	120	119
75°	60	61	62	60	59	63
85°	11	12	12	12	12	14
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	397.7	397.7	397.7	397.7	397.7
2.5°	394.6	395.8	397.2	397.8	394.5
5°	392.5	393.2	396.2	397.1	393.7
7.5°	389.1	390.2	393.1	393.5	390.3
10°	384.5	386.4	388.3	390.4	386.5
12.5°	378.5	381.2	384.5	384.8	381.8
15°	371.9	374.3	377.9	380.1	375.2
17.5°	364.4	366.8	371.4	371.8	368.8
20°	356.1	359.1	364.5	365.5	360.1
22.5°	346.6	350.6	355.2	356.1	352.2
25°	336.7	340.9	346.5	347.8	342.5
27.5°	326.4	330.3	336.7	337.6	333.2
30°	315.3	319.0	326.0	327.5	323.0
32.5°	304.0	307.7	315.4	316.7	312.3
35°	291.5	296.0	303.0	305.2	300.2
37.5°	278.7	283.2	291.1	293.0	287.7
40°	265.5	269.9	277.7	279.3	274.2
42.5°	252.0	256.4	264.8	265.0	260.8
45°	238.2	242.4	250.2	250.4	245.5
47.5°	224.2	228.5	235.4	234.6	230.0
50°	210.0	214.1	220.2	218.6	214.4
52.5°	195.4	199.3	205.1	202.5	198.5
55°	180.6	184.3	189.1	186.3	183.3
57.5°	165.7	169.4	173.1	170.3	167.7
60°	150.7	154.0	157.0	154.2	152.1
62.5°	135.5	138.3	140.9	138.2	136.3
65°	120.1	122.5	124.7	122.2	120.2
67.5°	104.7	106.8	108.8	106.2	104.1
70°	89.4	91.2	93.0	90.4	88.4
72.5°	74.3	75.9	77.5	74.9	73.2
75°	59.6	60.9	62.3	60.0	58.7
77.5°	45.5	46.7	47.6	46.2	44.9
80°	32.5	33.4	33.9	33.3	32.1
82.5°	20.9	21.5	21.8	21.8	21.0
85°	11.4	11.6	12.1	12.2	11.8
87.5°	4.4	4.7	4.8	5.2	4.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)