

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: P489958

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1STD-20-120-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: P489958
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-LD4-1STD-20-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

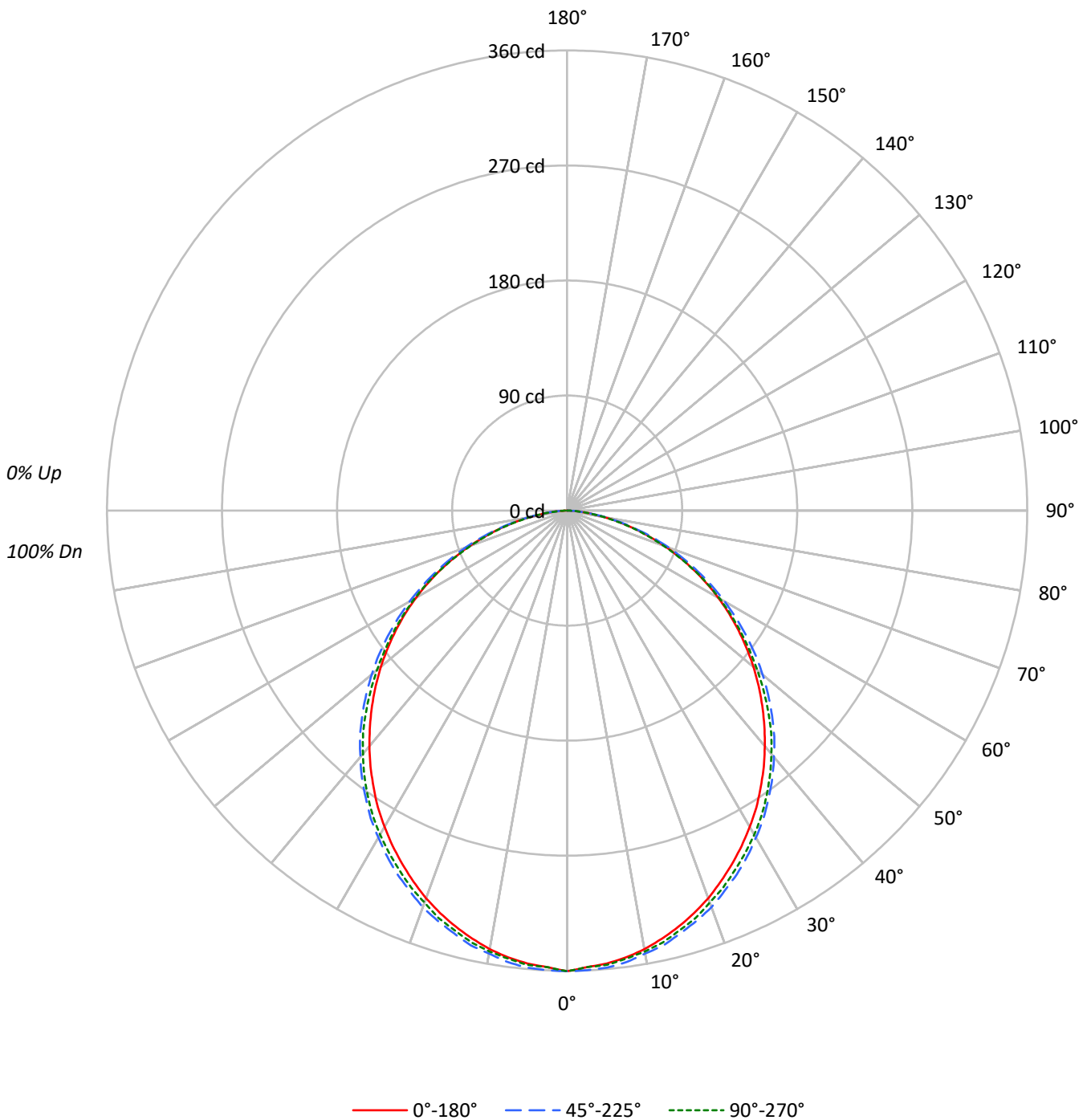
Lumens per Lamp: N/A
Luminaire Lumens: 947.4 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.6
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°	1940	1940	1940
5°	1922	1940	1928
10°	1904	1923	1914
15°	1878	1908	1894
20°	1848	1892	1869
25°	1812	1865	1843
30°	1775	1836	1819
35°	1735	1804	1788
40°	1690	1768	1746
45°	1643	1725	1694
50°	1593	1670	1627
55°	1536	1607	1559
60°	1470	1532	1484
65°	1386	1439	1387
70°	1275	1327	1260
75°	1123	1173	1106
80°	911	951	902
85°	636	679	661



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.9	3.6
10°-20°	96.2	10.2
20°-30°	143.4	15.1
30°-40°	170.0	17.9
40°-50°	172.0	18.2
50°-60°	150.2	15.9
60°-70°	109.8	11.6
70°-80°	58.4	6.2
80°-90°	13.5	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°	273.6	28.9
0°-40°	443.5	46.8
0°-60°	765.7	80.8
0°-90°	947.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	947.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	360	360	360	360	360	
5°	356	356	359	360	357	34
15°	337	339	342	344	340	95
25°	305	309	314	315	310	141
35°	264	268	275	276	272	165
45°	216	220	227	227	222	167
55°	164	167	171	169	166	146
65°	109	111	113	111	109	108
75°	54	55	56	54	53	57
85°	10	10	11	11	11	13
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	360.4	360.4	360.4	360.4	360.4
2.5°	357.5	358.7	359.9	360.4	357.5
5°	355.7	356.3	359.0	359.8	356.8
7.5°	352.6	353.6	356.2	356.6	353.6
10°	348.4	350.2	351.9	353.8	350.2
12.5°	343.0	345.5	348.4	348.7	346.0
15°	337.0	339.2	342.4	344.5	340.0
17.5°	330.2	332.4	336.5	336.9	334.2
20°	322.7	325.4	330.3	331.2	326.3
22.5°	314.1	317.7	321.9	322.7	319.1
25°	305.1	308.9	314.0	315.2	310.4
27.5°	295.7	299.3	305.1	305.9	301.9
30°	285.7	289.1	295.4	296.8	292.7
32.5°	275.5	278.8	285.8	287.0	283.0
35°	264.1	268.3	274.6	276.5	272.1
37.5°	252.6	256.6	263.8	265.5	260.7
40°	240.6	244.6	251.7	253.1	248.5
42.5°	228.3	232.3	239.9	240.1	236.3
45°	215.8	219.7	226.7	226.9	222.5
47.5°	203.2	207.0	213.3	212.6	208.4
50°	190.3	194.0	199.5	198.1	194.3
52.5°	177.0	180.6	185.8	183.5	179.9
55°	163.7	167.0	171.3	168.8	166.1
57.5°	150.2	153.5	156.9	154.3	151.9
60°	136.6	139.5	142.3	139.7	137.9
62.5°	122.8	125.3	127.7	125.2	123.5
65°	108.8	111.0	113.0	110.7	108.9
67.5°	94.9	96.8	98.6	96.3	94.4
70°	81.0	82.6	84.3	81.9	80.1
72.5°	67.3	68.7	70.2	67.9	66.3
75°	54.0	55.2	56.4	54.4	53.2
77.5°	41.3	42.3	43.1	41.8	40.7
80°	29.4	30.2	30.7	30.2	29.1
82.5°	18.9	19.5	19.7	19.7	19.0
85°	10.3	10.5	11.0	11.1	10.7
87.5°	4.0	4.2	4.4	4.7	4.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)