

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: P490098

Luminaire Tested: **CLP-12-2-INS-P12125-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: P490098
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P387254)
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-P12125-LD4-1LO-40-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

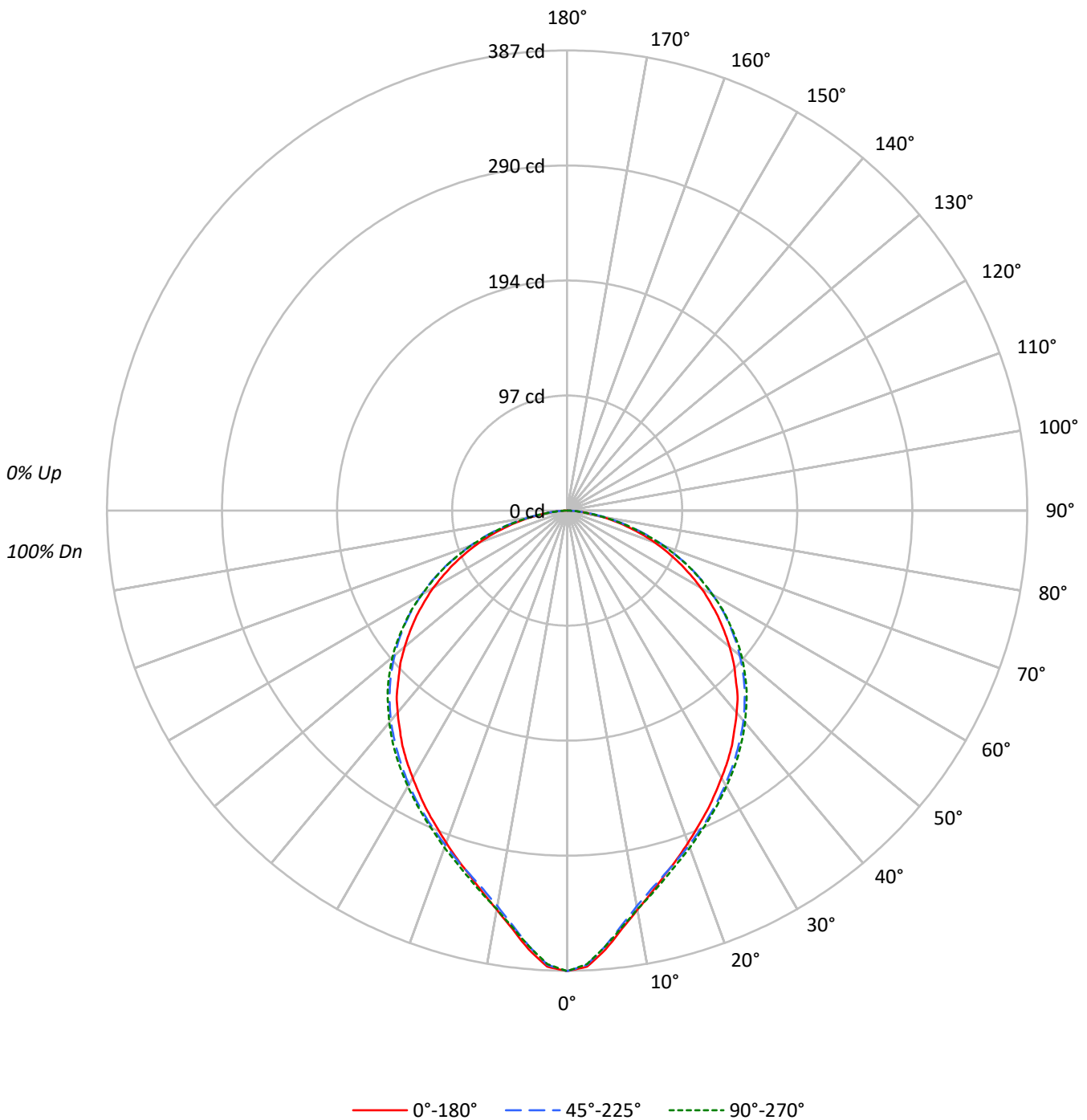
Lumens per Lamp: N/A
Luminaire Lumens: 899.6 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.23
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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	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					100			
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84					84			
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70					70			
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59					59			
4	83	71	62	55	81	70	61	55	67	60	54	65	59	54	63	57	53	51					51			
5	76	63	54	48	74	62	54	48	60	53	47	58	52	46	56	51	46	44					44			
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38					38			
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34					34			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30					30			
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27					27			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2084	2084	2084
5°	2002	1987	1987
10°	1862	1846	1860
15°	1767	1764	1781
20°	1703	1715	1728
25°	1654	1681	1691
30°	1614	1654	1664
35°	1587	1633	1649
40°	1558	1622	1635
45°	1526	1606	1625
50°	1493	1586	1607
55°	1451	1562	1569
60°	1399	1520	1517
65°	1326	1462	1452
70°	1238	1363	1347
75°	1092	1208	1196
80°	886	982	936
85°	618	630	605



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.2	3.8
10°-20°	89.6	10.0
20°-30°	130.4	14.5
30°-40°	155.1	17.2
40°-50°	161.1	17.9
50°-60°	145.9	16.2
60°-70°	110.1	12.2
70°-80°	60.0	6.7
80°-90°	13.2	1.5
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°	254.2	28.3
0°-40°	409.3	45.5
0°-60°	716.3	79.6
0°-90°	899.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	899.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	387	387	387	387	387	
5°	370	370	368	368	368	34
15°	317	316	317	319	320	90
25°	278	281	283	285	285	128
35°	242	244	248	252	251	151
45°	200	204	211	213	214	155
55°	155	158	166	168	167	138
65°	104	107	115	115	114	103
75°	52	55	58	58	58	56
85°	10	10	10	10	10	13
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	387.3	387.3	387.3	387.3	387.3
2.5°	383.9	383.5	382.3	381.8	381.7
5°	370.5	369.6	367.8	367.6	367.8
7.5°	354.4	353.4	351.7	352.4	353.2
10°	340.8	338.4	337.7	338.7	340.4
12.5°	328.7	326.8	326.2	328.7	329.9
15°	317.2	316.4	316.6	318.8	319.7
17.5°	307.3	306.8	308.0	309.7	310.2
20°	297.3	298.3	299.4	301.2	301.7
22.5°	287.5	289.4	291.3	293.6	292.8
25°	278.5	280.8	283.1	285.4	284.7
27.5°	268.9	271.6	274.7	277.3	276.3
30°	259.7	263.1	266.1	269.2	267.8
32.5°	250.6	253.8	257.4	261.2	259.5
35°	241.5	244.4	248.5	252.3	251.0
37.5°	231.3	234.9	239.6	242.9	242.0
40°	221.8	225.1	230.8	232.9	232.7
42.5°	212.2	214.9	220.9	223.4	223.0
45°	200.5	204.1	211.0	213.3	213.5
47.5°	190.2	193.2	200.5	202.4	202.7
50°	178.3	182.0	189.4	191.6	191.9
52.5°	166.5	170.6	178.2	179.7	180.0
55°	154.6	158.3	166.5	167.7	167.2
57.5°	142.2	146.6	154.2	154.7	155.2
60°	130.0	133.8	141.2	142.0	140.9
62.5°	116.7	120.7	128.2	128.4	127.5
65°	104.1	107.1	114.8	114.6	114.0
67.5°	91.0	94.6	100.3	100.4	100.0
70°	78.7	81.2	86.6	86.7	85.6
72.5°	65.4	68.1	72.5	71.9	71.6
75°	52.5	54.7	58.1	58.5	57.5
77.5°	40.7	42.3	44.8	44.5	43.5
80°	28.6	29.9	31.7	31.4	30.2
82.5°	18.3	19.1	20.2	19.7	19.3
85°	10.0	10.1	10.2	10.1	9.8
87.5°	3.7	3.8	3.8	3.7	3.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)