

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: P490102

Luminaire Tested: **CLP-12-2-INS-P12125-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: P490102
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-LD4-1STD-20-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

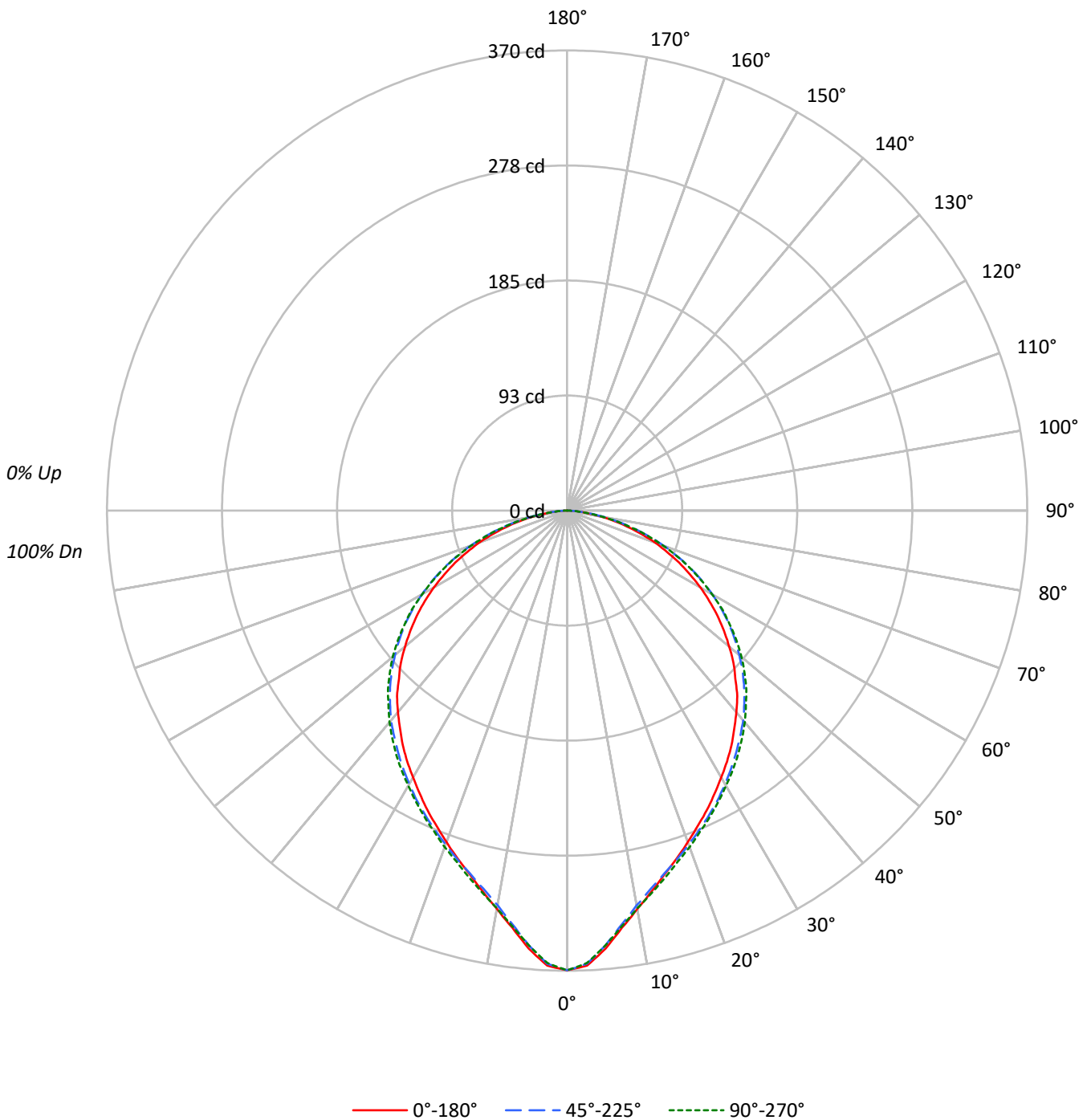
Lumens per Lamp: N/A
Luminaire Lumens: 858.4 lumens
Efficiency: N/A
Efficacy: 51.7 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.23
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1989	1989	1989
5°	1910	1896	1896
10°	1777	1761	1775
15°	1687	1683	1700
20°	1625	1636	1649
25°	1578	1604	1613
30°	1540	1578	1588
35°	1514	1558	1574
40°	1487	1547	1560
45°	1456	1532	1550
50°	1424	1513	1533
55°	1385	1491	1498
60°	1335	1450	1448
65°	1266	1394	1386
70°	1182	1300	1284
75°	1042	1152	1142
80°	846	939	893
85°	587	599	574



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.7	3.8
10°-20°	85.5	10.0
20°-30°	124.4	14.5
30°-40°	148.0	17.2
40°-50°	153.7	17.9
50°-60°	139.2	16.2
60°-70°	105.1	12.2
70°-80°	57.3	6.7
80°-90°	12.6	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°	242.6	28.3
0°-40°	390.6	45.5
0°-60°	683.5	79.6
0°-90°	858.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	858.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	370	370	370	370	370	
5°	354	353	351	351	351	33
15°	303	302	302	304	305	85
25°	266	268	270	272	272	122
35°	230	233	237	241	240	144
45°	191	195	201	204	204	148
55°	148	151	159	160	160	132
65°	99	102	110	109	109	98
75°	50	52	55	56	55	53
85°	10	10	10	10	9	12
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	369.6	369.6	369.6	369.6	369.6
2.5°	366.3	366.0	364.8	364.3	364.2
5°	353.5	352.7	351.0	350.8	351.0
7.5°	338.2	337.2	335.6	336.2	337.1
10°	325.2	322.9	322.3	323.2	324.8
12.5°	313.7	311.8	311.3	313.7	314.8
15°	302.7	302.0	302.1	304.2	305.1
17.5°	293.2	292.7	293.9	295.5	296.0
20°	283.7	284.6	285.7	287.4	287.9
22.5°	274.4	276.1	278.0	280.2	279.4
25°	265.8	268.0	270.1	272.3	271.7
27.5°	256.6	259.2	262.2	264.6	263.6
30°	247.8	251.1	253.9	256.9	255.5
32.5°	239.2	242.2	245.6	249.2	247.7
35°	230.4	233.2	237.1	240.7	239.5
37.5°	220.7	224.1	228.6	231.8	231.0
40°	211.6	214.8	220.2	222.3	222.1
42.5°	202.5	205.1	210.8	213.1	212.8
45°	191.3	194.8	201.3	203.5	203.7
47.5°	181.5	184.3	191.3	193.1	193.5
50°	170.1	173.7	180.7	182.8	183.1
52.5°	158.9	162.8	170.0	171.5	171.8
55°	147.6	151.1	158.9	160.0	159.6
57.5°	135.7	139.9	147.1	147.7	148.1
60°	124.0	127.7	134.7	135.5	134.5
62.5°	111.4	115.1	122.4	122.5	121.7
65°	99.4	102.2	109.5	109.3	108.8
67.5°	86.8	90.3	95.7	95.8	95.4
70°	75.1	77.5	82.6	82.7	81.6
72.5°	62.4	65.0	69.2	68.6	68.3
75°	50.1	52.2	55.4	55.8	54.9
77.5°	38.9	40.4	42.8	42.5	41.5
80°	27.3	28.5	30.3	29.9	28.8
82.5°	17.4	18.2	19.3	18.8	18.4
85°	9.5	9.6	9.7	9.6	9.3
87.5°	3.5	3.6	3.6	3.5	3.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)