

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: P490101

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1LO-50-120-EDD**

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: P490101
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-50-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

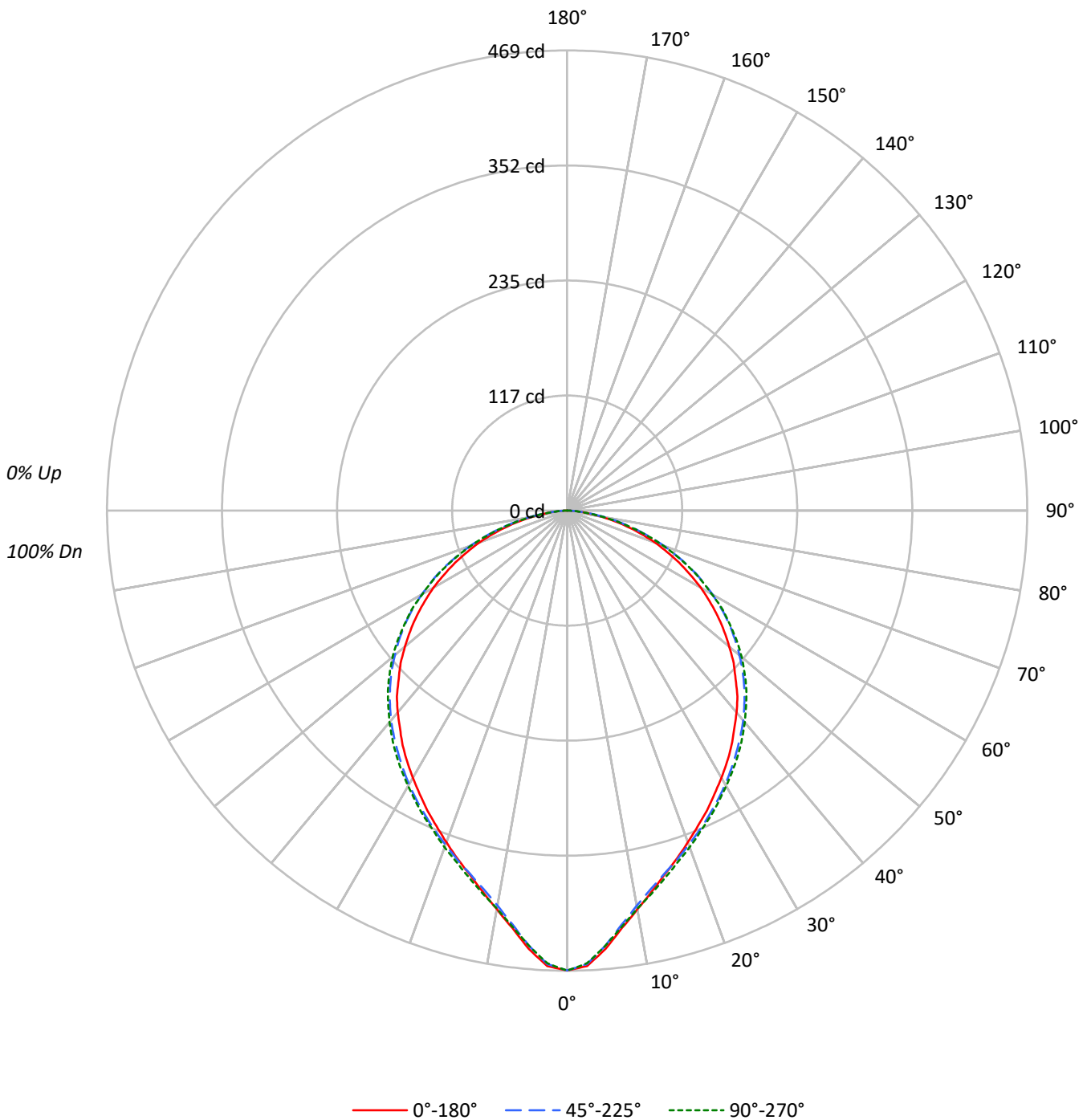
Lumens per Lamp: N/A
Luminaire Lumens: 1088.8 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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	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°	2523	2523	2523
5°	2422	2405	2405
10°	2254	2234	2251
15°	2139	2135	2156
20°	2061	2076	2092
25°	2002	2034	2046
30°	1954	2002	2014
35°	1920	1976	1996
40°	1886	1962	1979
45°	1847	1943	1967
50°	1806	1919	1945
55°	1757	1892	1899
60°	1693	1840	1835
65°	1605	1769	1757
70°	1498	1649	1629
75°	1323	1462	1447
80°	1075	1190	1131
85°	747	760	729



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.4	3.8
10°-20°	108.5	10.0
20°-30°	157.8	14.5
30°-40°	187.7	17.2
40°-50°	194.9	17.9
50°-60°	176.6	16.2
60°-70°	133.3	12.2
70°-80°	72.6	6.7
80°-90°	16.0	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°	307.7	28.3
0°-40°	495.4	45.5
0°-60°	867.0	79.6
0°-90°	1088.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1088.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	469	469	469	469	469	
5°	448	447	445	445	445	42
15°	384	383	383	386	387	108
25°	337	340	343	345	345	155
35°	292	296	301	305	304	183
45°	243	247	255	258	258	188
55°	187	192	202	203	202	167
65°	126	130	139	139	138	125
75°	64	66	70	71	70	68
85°	12	12	12	12	12	15
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	468.7	468.7	468.7	468.7	468.7
2.5°	464.6	464.2	462.7	462.1	461.9
5°	448.4	447.3	445.2	445.0	445.2
7.5°	428.9	427.7	425.6	426.5	427.5
10°	412.5	409.6	408.8	409.9	411.9
12.5°	397.9	395.5	394.8	397.9	399.3
15°	383.9	383.0	383.2	385.8	387.0
17.5°	371.9	371.3	372.8	374.8	375.4
20°	359.8	361.0	362.4	364.5	365.2
22.5°	348.0	350.2	352.6	355.4	354.4
25°	337.1	339.9	342.6	345.4	344.6
27.5°	325.5	328.8	332.5	335.6	334.4
30°	314.4	318.5	322.1	325.8	324.1
32.5°	303.4	307.2	311.6	316.1	314.1
35°	292.2	295.7	300.8	305.4	303.8
37.5°	279.9	284.3	290.0	294.0	292.9
40°	268.5	272.4	279.3	281.9	281.7
42.5°	256.9	260.1	267.4	270.3	269.9
45°	242.7	247.0	255.3	258.2	258.4
47.5°	230.2	233.8	242.7	244.9	245.4
50°	215.7	220.3	229.2	231.9	232.3
52.5°	201.6	206.5	215.6	217.5	217.9
55°	187.2	191.6	201.6	203.0	202.4
57.5°	172.1	177.4	186.6	187.3	187.9
60°	157.3	162.0	170.9	171.8	170.5
62.5°	141.3	146.1	155.2	155.4	154.4
65°	126.0	129.7	138.9	138.7	138.0
67.5°	110.1	114.5	121.3	121.6	121.0
70°	95.2	98.3	104.8	104.9	103.5
72.5°	79.2	82.5	87.7	87.0	86.7
75°	63.6	66.2	70.3	70.7	69.6
77.5°	49.3	51.2	54.2	53.9	52.6
80°	34.7	36.2	38.4	38.0	36.5
82.5°	22.1	23.1	24.5	23.9	23.3
85°	12.1	12.2	12.3	12.2	11.8
87.5°	4.5	4.6	4.6	4.5	4.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)