

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: P490090

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1LO-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: P490090
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-20-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

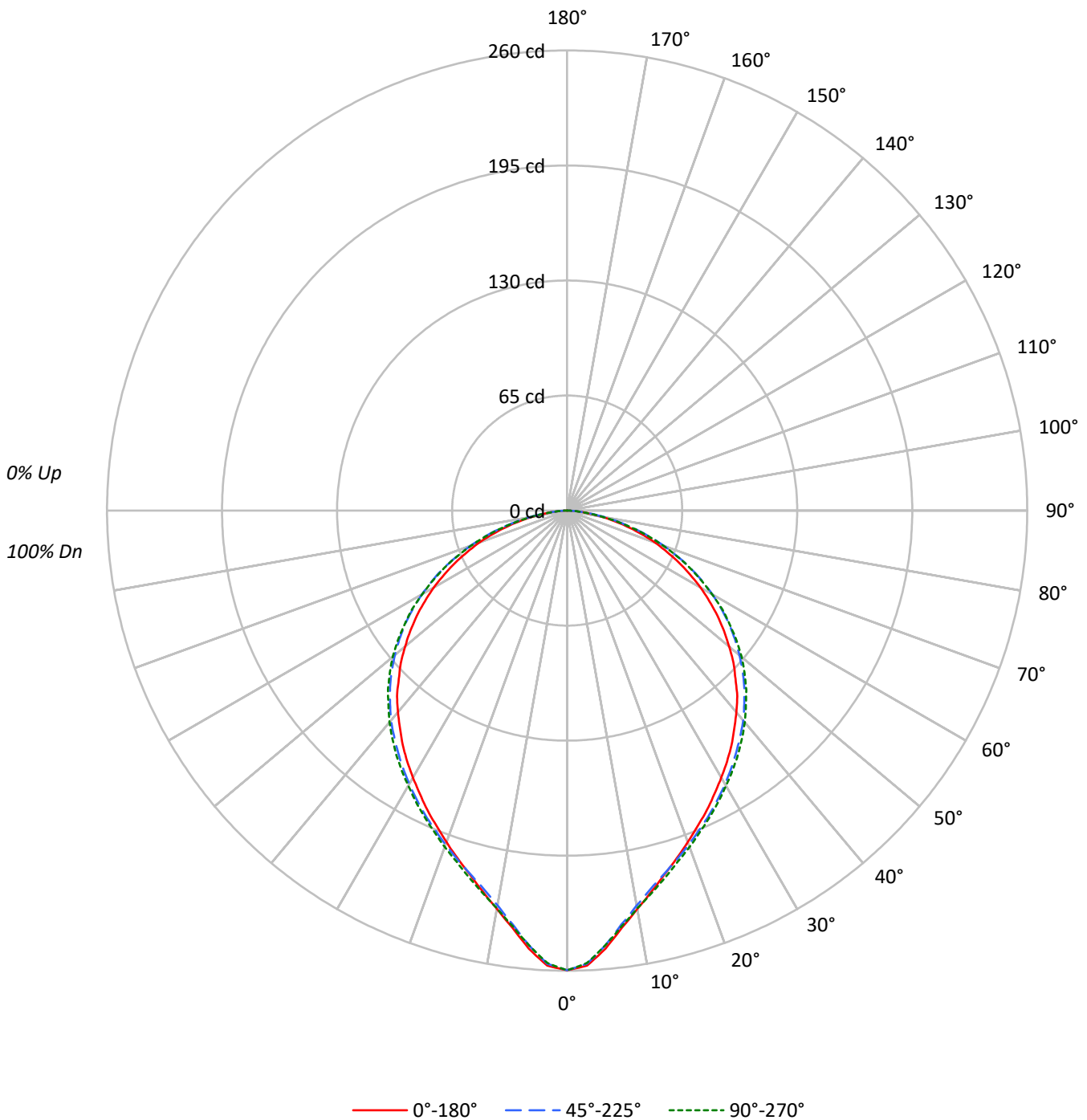
Lumens per Lamp: N/A
Luminaire Lumens: 603.2 lumens
Efficiency: N/A
Efficacy: 51.6 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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°	1398	1398	1398
5°	1342	1332	1332
10°	1249	1238	1247
15°	1185	1183	1195
20°	1141	1150	1159
25°	1109	1127	1134
30°	1083	1109	1116
35°	1064	1095	1106
40°	1045	1088	1097
45°	1024	1077	1089
50°	1001	1063	1078
55°	973	1048	1052
60°	938	1019	1017
65°	889	981	973
70°	831	914	903
75°	732	809	801
80°	595	660	626
85°	414	420	408



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.9	3.8
10°-20°	60.1	10.0
20°-30°	87.4	14.5
30°-40°	104.0	17.2
40°-50°	108.0	17.9
50°-60°	97.9	16.2
60°-70°	73.8	12.2
70°-80°	40.2	6.7
80°-90°	8.8	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°	170.4	28.3
0°-40°	274.5	45.5
0°-60°	480.3	79.6
0°-90°	603.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	603.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	260	260	260	260	260	
5°	248	248	247	246	247	23
15°	213	212	212	214	214	60
25°	187	188	190	191	191	86
35°	162	164	167	169	168	101
45°	134	137	142	143	143	104
55°	104	106	112	112	112	93
65°	70	72	77	77	76	69
75°	35	37	39	39	38	38
85°	7	7	7	7	7	8
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	259.7	259.7	259.7	259.7	259.7
2.5°	257.4	257.2	256.3	256.0	255.9
5°	248.4	247.8	246.6	246.5	246.6
7.5°	237.6	237.0	235.8	236.3	236.8
10°	228.5	226.9	226.5	227.1	228.2
12.5°	220.4	219.1	218.7	220.4	221.2
15°	212.7	212.2	212.3	213.7	214.4
17.5°	206.0	205.7	206.5	207.6	208.0
20°	199.3	200.0	200.8	201.9	202.3
22.5°	192.8	194.0	195.3	196.9	196.4
25°	186.8	188.3	189.8	191.4	190.9
27.5°	180.3	182.1	184.2	185.9	185.3
30°	174.2	176.4	178.4	180.5	179.5
32.5°	168.1	170.2	172.6	175.1	174.0
35°	161.9	163.8	166.6	169.2	168.3
37.5°	155.1	157.5	160.7	162.9	162.3
40°	148.7	150.9	154.8	156.2	156.1
42.5°	142.3	144.1	148.1	149.8	149.5
45°	134.5	136.9	141.5	143.0	143.1
47.5°	127.5	129.5	134.5	135.7	135.9
50°	119.5	122.1	127.0	128.5	128.7
52.5°	111.7	114.4	119.5	120.5	120.7
55°	103.7	106.2	111.7	112.5	112.1
57.5°	95.3	98.3	103.4	103.8	104.1
60°	87.1	89.7	94.7	95.2	94.5
62.5°	78.3	80.9	86.0	86.1	85.5
65°	69.8	71.8	77.0	76.8	76.4
67.5°	61.0	63.5	67.2	67.4	67.0
70°	52.8	54.4	58.1	58.1	57.4
72.5°	43.9	45.7	48.6	48.2	48.0
75°	35.2	36.7	38.9	39.2	38.5
77.5°	27.3	28.4	30.0	29.9	29.1
80°	19.2	20.0	21.3	21.0	20.2
82.5°	12.3	12.8	13.6	13.2	12.9
85°	6.7	6.7	6.8	6.7	6.6
87.5°	2.5	2.5	2.5	2.5	2.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)