

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: P490104

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1STD-27-120-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: P490104
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-27-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

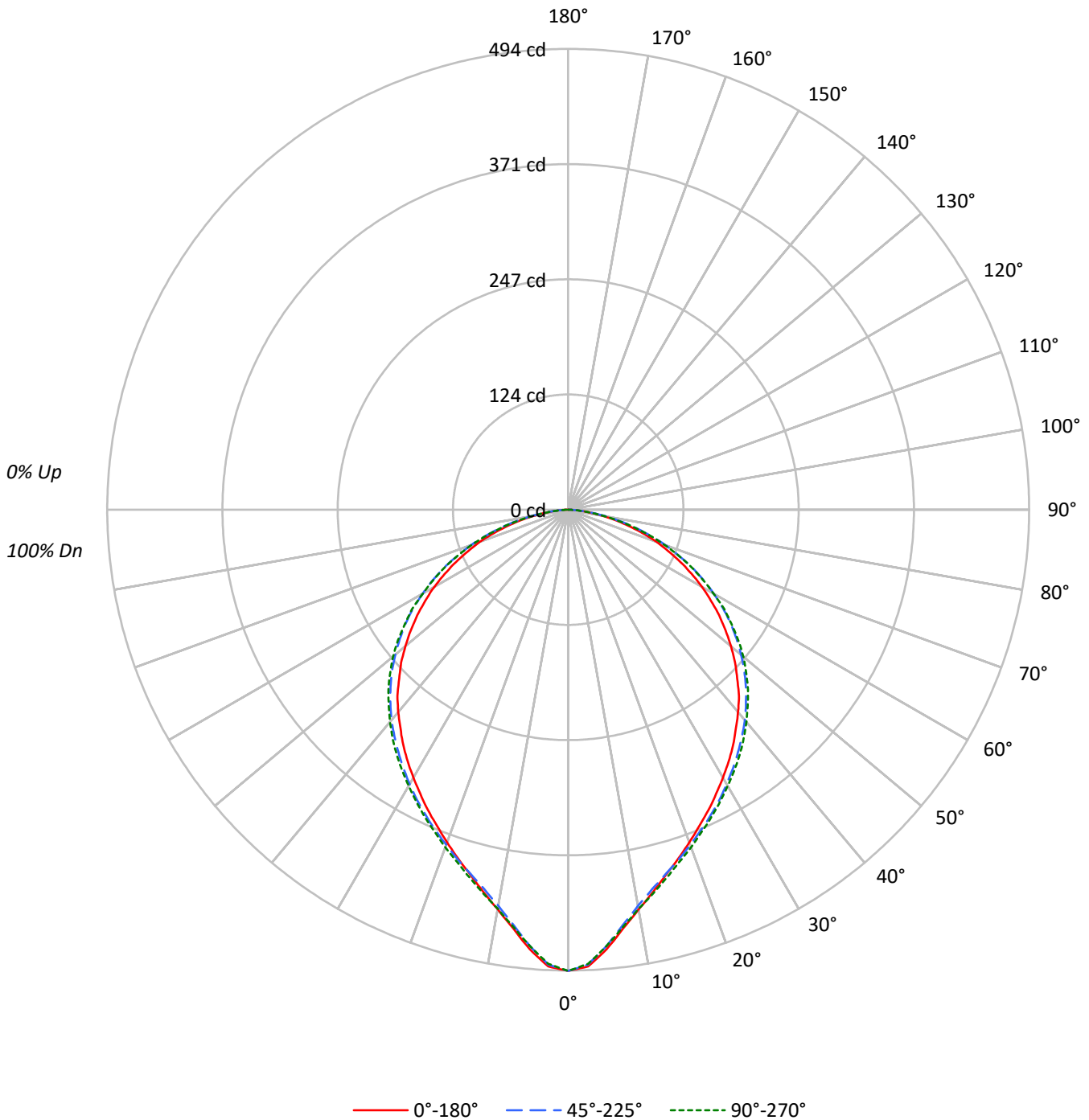
Lumens per Lamp: N/A
Luminaire Lumens: 1148.4 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.23
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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°	2661	2661	2661
5°	2555	2537	2537
10°	2378	2356	2375
15°	2257	2252	2274
20°	2174	2189	2206
25°	2111	2146	2159
30°	2061	2111	2124
35°	2025	2085	2106
40°	1990	2070	2087
45°	1948	2050	2074
50°	1906	2025	2051
55°	1852	1995	2003
60°	1786	1940	1936
65°	1692	1866	1853
70°	1580	1740	1718
75°	1395	1541	1526
80°	1134	1255	1193
85°	784	803	772



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.7	3.8
10°-20°	114.4	10.0
20°-30°	166.4	14.5
30°-40°	198.0	17.2
40°-50°	205.6	17.9
50°-60°	186.3	16.2
60°-70°	140.6	12.2
70°-80°	76.6	6.7
80°-90°	16.8	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°	324.5	28.3
0°-40°	522.5	45.5
0°-60°	914.4	79.6
0°-90°	1148.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1148.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	494	494	494	494	494	
5°	473	472	470	469	470	44
15°	405	404	404	407	408	114
25°	356	358	361	364	364	164
35°	308	312	317	322	320	193
45°	256	260	269	272	272	198
55°	197	202	213	214	214	176
65°	133	137	146	146	146	131
75°	67	70	74	75	73	71
85°	13	13	13	13	12	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	494.4	494.4	494.4	494.4	494.4
2.5°	490.1	489.6	488.0	487.4	487.2
5°	472.9	471.8	469.6	469.3	469.6
7.5°	452.4	451.2	448.9	449.8	450.9
10°	435.1	432.0	431.1	432.4	434.5
12.5°	419.7	417.2	416.4	419.7	421.1
15°	405.0	404.0	404.2	406.9	408.2
17.5°	392.2	391.6	393.2	395.3	395.9
20°	379.5	380.8	382.2	384.5	385.2
22.5°	367.0	369.4	371.9	374.8	373.8
25°	355.5	358.5	361.4	364.3	363.5
27.5°	343.3	346.8	350.7	353.9	352.7
30°	331.6	335.9	339.7	343.7	341.8
32.5°	320.0	324.0	328.6	333.4	331.3
35°	308.2	311.9	317.3	322.1	320.5
37.5°	295.3	299.8	305.9	310.1	309.0
40°	283.2	287.4	294.6	297.4	297.1
42.5°	270.9	274.4	282.0	285.1	284.6
45°	256.0	260.5	269.3	272.3	272.5
47.5°	242.8	246.6	256.0	258.3	258.8
50°	227.6	232.4	241.8	244.6	245.0
52.5°	212.6	217.8	227.4	229.4	229.8
55°	197.4	202.1	212.6	214.1	213.5
57.5°	181.5	187.2	196.8	197.5	198.2
60°	165.9	170.9	180.2	181.2	179.9
62.5°	149.0	154.1	163.7	163.9	162.8
65°	132.9	136.8	146.5	146.3	145.5
67.5°	116.1	120.8	128.0	128.2	127.6
70°	100.4	103.6	110.6	110.7	109.2
72.5°	83.5	87.0	92.5	91.8	91.4
75°	67.1	69.8	74.1	74.6	73.4
77.5°	52.0	54.0	57.2	56.8	55.5
80°	36.6	38.2	40.5	40.0	38.5
82.5°	23.3	24.3	25.8	25.2	24.6
85°	12.7	12.8	13.0	12.8	12.5
87.5°	4.7	4.8	4.8	4.7	4.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)