

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: P490110

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1STD-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: P490110
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-40-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

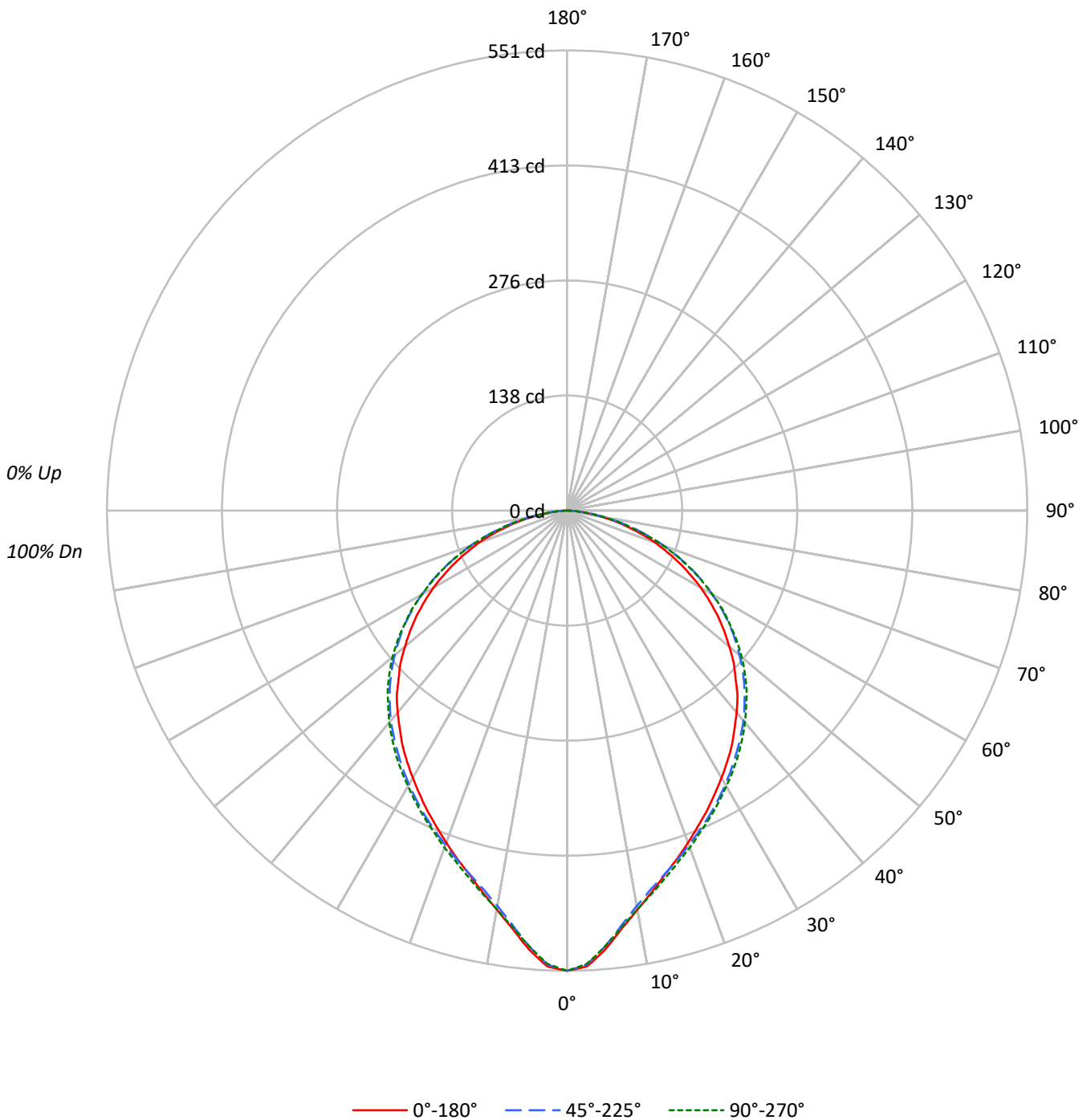
Lumens per Lamp: N/A
Luminaire Lumens: 1280.2 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	2966	2966	2966
5°	2848	2828	2828
10°	2651	2626	2647
15°	2515	2511	2535
20°	2423	2440	2459
25°	2354	2392	2406
30°	2297	2353	2368
35°	2258	2324	2347
40°	2217	2308	2327
45°	2172	2285	2312
50°	2124	2256	2287
55°	2065	2224	2233
60°	1990	2162	2158
65°	1887	2080	2066
70°	1762	1940	1915
75°	1555	1718	1701
80°	1265	1401	1333
85°	877	895	858



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.7	3.8
10°-20°	127.6	10.0
20°-30°	185.5	14.5
30°-40°	220.7	17.2
40°-50°	229.2	17.9
50°-60°	207.6	16.2
60°-70°	156.7	12.2
70°-80°	85.4	6.7
80°-90°	18.8	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°	361.8	28.3
0°-40°	582.5	45.5
0°-60°	1019.4	79.6
0°-90°	1280.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1280.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	551	551	551	551	551	
5°	527	526	524	523	524	49
15°	451	450	451	454	455	127
25°	396	400	403	406	405	183
35°	344	348	354	359	357	215
45°	285	290	300	304	304	221
55°	220	225	237	239	238	196
65°	148	152	163	163	162	146
75°	75	78	83	83	82	80
85°	14	14	14	14	14	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	551.1	551.1	551.1	551.1	551.1
2.5°	546.3	545.8	544.0	543.3	543.2
5°	527.2	525.9	523.5	523.2	523.5
7.5°	504.3	502.9	500.5	501.4	502.7
10°	485.0	481.6	480.6	482.0	484.4
12.5°	467.8	465.1	464.2	467.8	469.5
15°	451.4	450.3	450.6	453.6	455.0
17.5°	437.3	436.6	438.4	440.7	441.4
20°	423.1	424.4	426.1	428.6	429.4
22.5°	409.2	411.8	414.5	417.8	416.7
25°	396.4	399.7	402.8	406.1	405.2
27.5°	382.7	386.6	391.0	394.6	393.2
30°	369.6	374.5	378.7	383.1	381.1
32.5°	356.7	361.2	366.3	371.7	369.4
35°	343.6	347.7	353.7	359.0	357.2
37.5°	329.1	334.2	341.0	345.7	344.4
40°	315.6	320.3	328.5	331.5	331.2
42.5°	302.0	305.9	314.4	317.9	317.3
45°	285.4	290.4	300.2	303.5	303.8
47.5°	270.6	274.9	285.4	288.0	288.5
50°	253.7	259.0	269.5	272.7	273.1
52.5°	237.0	242.8	253.5	255.7	256.2
55°	220.1	225.3	237.0	238.7	238.0
57.5°	202.3	208.6	219.4	220.2	220.9
60°	184.9	190.5	200.9	202.0	200.5
62.5°	166.1	171.7	182.5	182.7	181.5
65°	148.2	152.5	163.3	163.1	162.2
67.5°	129.4	134.7	142.7	142.9	142.3
70°	112.0	115.5	123.3	123.4	121.7
72.5°	93.1	97.0	103.1	102.3	101.9
75°	74.8	77.8	82.6	83.2	81.8
77.5°	58.0	60.2	63.8	63.4	61.8
80°	40.8	42.6	45.2	44.6	43.0
82.5°	26.0	27.1	28.8	28.1	27.4
85°	14.2	14.3	14.5	14.3	13.9
87.5°	5.2	5.4	5.4	5.2	4.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)