

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: P490138

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2STD-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: P490138
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-LD4-2STD-20-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

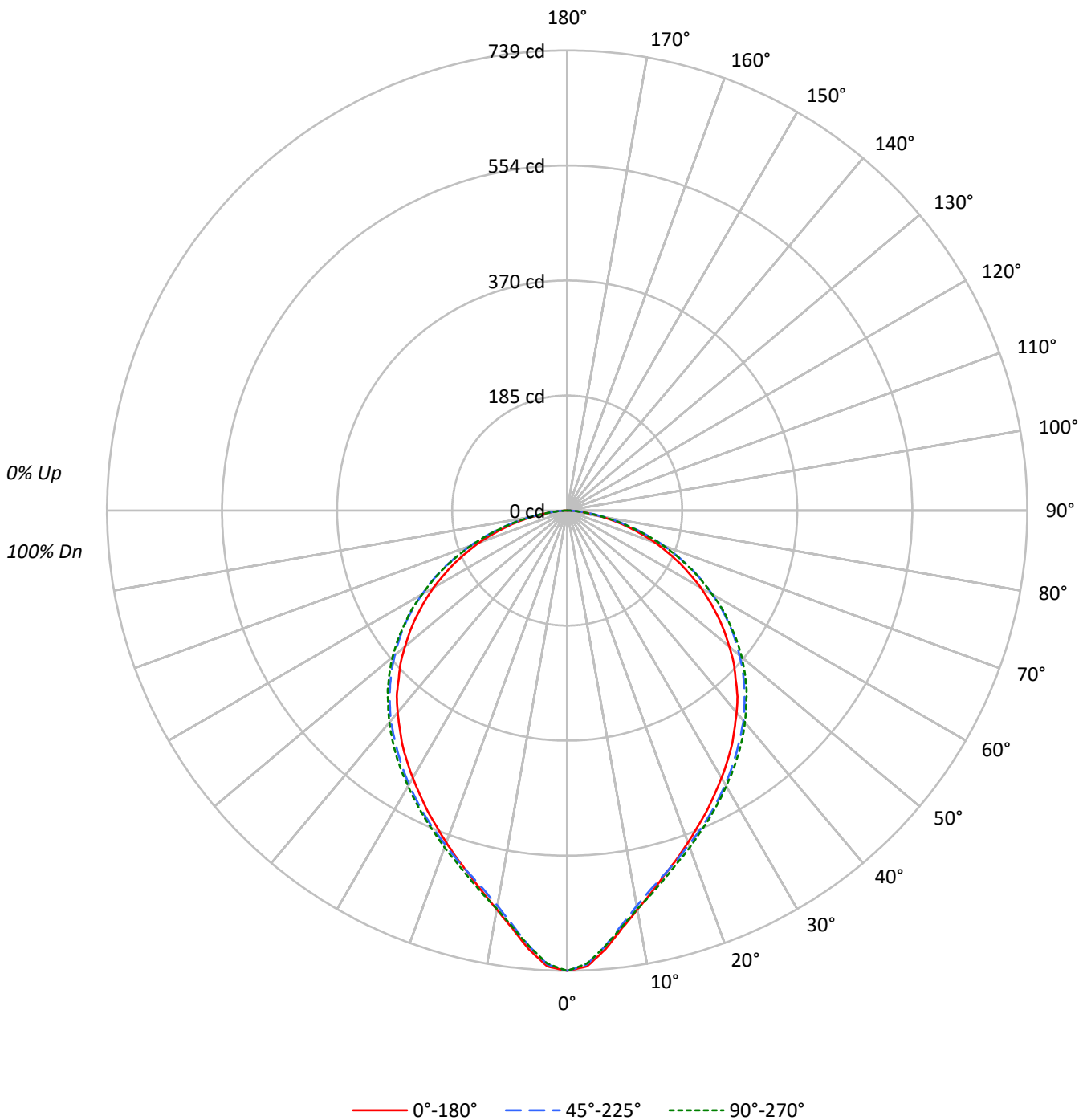
Lumens per Lamp: N/A
Luminaire Lumens: 1716.7 lumens
Efficiency: N/A
Efficacy: 51.6 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.23
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 33.3
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°	3978	3978	3978
5°	3819	3792	3792
10°	3554	3522	3550
15°	3373	3367	3400
20°	3249	3273	3298
25°	3156	3208	3226
30°	3081	3156	3176
35°	3028	3116	3147
40°	2974	3094	3120
45°	2912	3064	3101
50°	2848	3026	3066
55°	2769	2982	2994
60°	2669	2900	2894
65°	2530	2789	2770
70°	2362	2601	2570
75°	2086	2304	2281
80°	1695	1878	1785
85°	1173	1198	1149



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.3	3.8
10°-20°	171.1	10.0
20°-30°	248.8	14.5
30°-40°	296.0	17.2
40°-50°	307.4	17.9
50°-60°	278.4	16.2
60°-70°	210.1	12.2
70°-80°	114.5	6.7
80°-90°	25.2	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°	485.1	28.3
0°-40°	781.1	45.5
0°-60°	1366.9	79.6
0°-90°	1716.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1716.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	739	739	739	739	739	
5°	707	705	702	702	702	66
15°	605	604	604	608	610	171
25°	532	536	540	545	543	245
35°	461	466	474	482	479	288
45°	383	390	403	407	407	296
55°	295	302	318	320	319	263
65°	199	204	219	219	218	196
75°	100	104	111	112	110	107
85°	19	19	19	19	19	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	739.1	739.1	739.1	739.1	739.1
2.5°	732.6	731.9	729.5	728.5	728.3
5°	706.9	705.3	701.9	701.6	701.9
7.5°	676.3	674.4	671.1	672.4	674.1
10°	650.4	645.8	644.5	646.4	649.5
12.5°	627.3	623.6	622.5	627.3	629.6
15°	605.4	603.9	604.3	608.3	610.2
17.5°	586.3	585.4	587.8	591.0	591.9
20°	567.3	569.2	571.4	574.7	575.8
22.5°	548.7	552.2	555.9	560.3	558.8
25°	531.5	535.9	540.2	544.6	543.3
27.5°	513.2	518.4	524.3	529.1	527.2
30°	495.7	502.1	507.9	513.8	511.0
32.5°	478.3	484.4	491.2	498.4	495.3
35°	460.8	466.3	474.2	481.5	479.0
37.5°	441.4	448.2	457.2	463.5	461.9
40°	423.3	429.6	440.4	444.5	444.1
42.5°	405.0	410.2	421.6	426.2	425.5
45°	382.6	389.5	402.6	407.0	407.4
47.5°	362.9	368.6	382.6	386.1	386.9
50°	340.2	347.4	361.4	365.6	366.2
52.5°	317.8	325.6	340.0	342.9	343.5
55°	295.1	302.1	317.8	320.0	319.1
57.5°	271.3	279.8	294.2	295.3	296.2
60°	248.0	255.4	269.4	270.9	268.9
62.5°	222.7	230.3	244.7	245.1	243.4
65°	198.7	204.4	219.0	218.7	217.5
67.5°	173.6	180.6	191.3	191.7	190.8
70°	150.1	154.9	165.3	165.5	163.3
72.5°	124.8	130.0	138.3	137.2	136.7
75°	100.3	104.3	110.8	111.5	109.7
77.5°	77.8	80.7	85.5	85.0	82.9
80°	54.7	57.1	60.6	59.8	57.6
82.5°	34.9	36.4	38.6	37.7	36.7
85°	19.0	19.2	19.4	19.2	18.6
87.5°	7.0	7.2	7.2	7.0	6.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)