

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: P489967

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1STD-40-120-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: P489967
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-115-8)
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-A12125-LD4-1STD-40-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

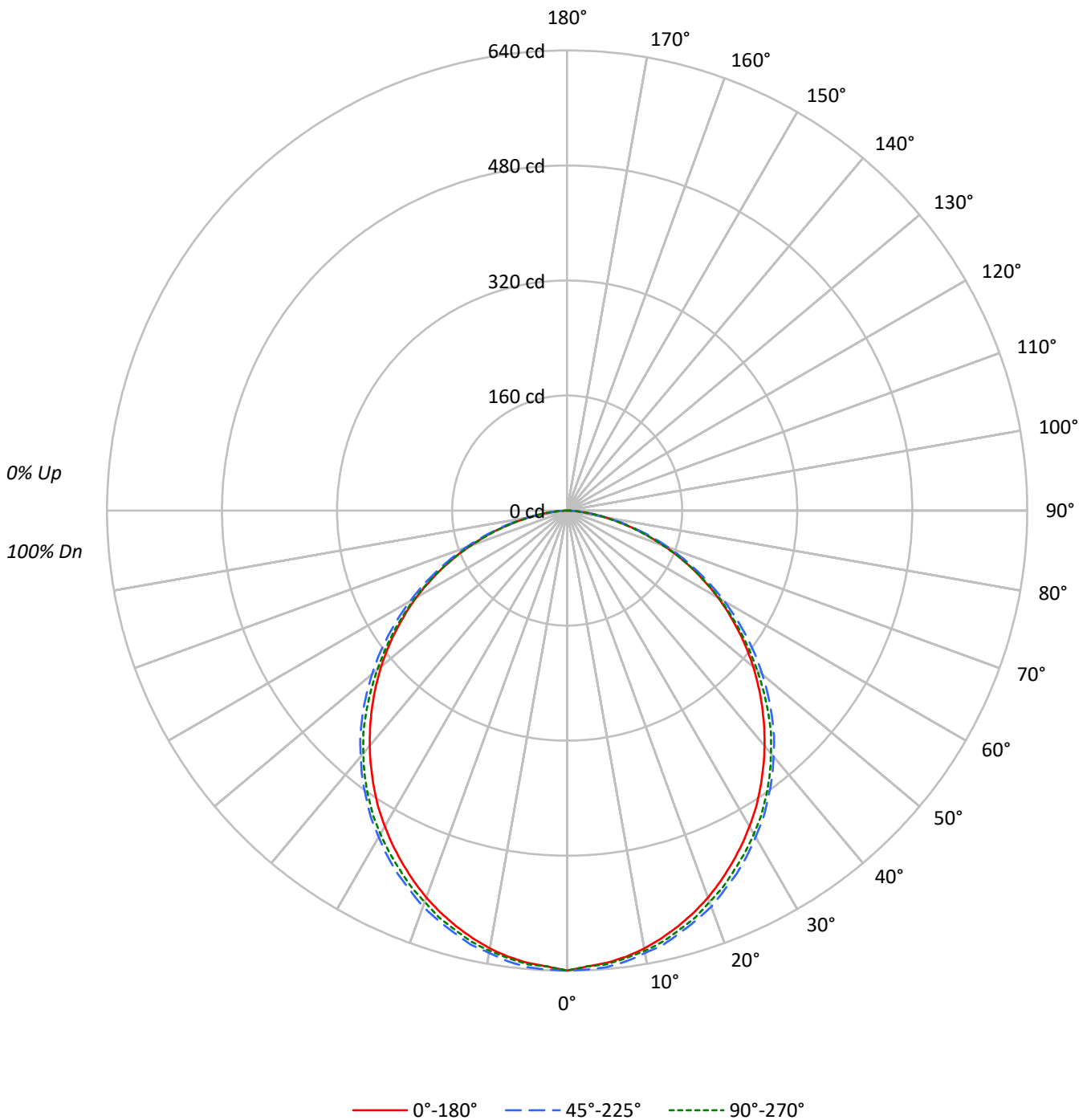
Lumens per Lamp: N/A
Luminaire Lumens: 1681.7 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P489967

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-1STD-40-120-EDD

Luminous Intensity Polar Plot





TEST NUMBER: P489967

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-1STD-40-120-EDD

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	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71
3	91	80	72	66	88	79	71	65	76	70	64	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	51
5	77	64	55	48	75	63	54	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	41	52	46	41	39
7	66	52	44	38	64	51	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	33	46	38	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3443	3443	3443
5°	3411	3443	3421
10°	3380	3414	3398
15°	3333	3387	3363
20°	3280	3358	3318
25°	3216	3310	3272
30°	3151	3258	3228
35°	3080	3202	3173
40°	3001	3138	3099
45°	2916	3064	3006
50°	2828	2966	2888
55°	2726	2853	2766
60°	2610	2718	2634
65°	2459	2553	2462
70°	2263	2354	2238
75°	1992	2084	1963
80°	1618	1689	1599
85°	1130	1204	1173



TEST NUMBER: P489967

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-1STD-40-120-EDD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	3.6
10°-20°	170.7	10.2
20°-30°	254.6	15.1
30°-40°	301.7	17.9
40°-50°	305.3	18.2
50°-60°	266.6	15.9
60°-70°	194.8	11.6
70°-80°	103.7	6.2
80°-90°	24.0	1.4
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°	485.6	28.9
0°-40°	787.3	46.8
0°-60°	1359.2	80.8
0°-90°	1681.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1681.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	640	640	640	640	640	
5°	631	632	637	639	633	60
15°	598	602	608	612	604	169
25°	542	548	557	559	551	250
35°	469	476	487	491	483	293
45°	383	390	402	403	395	296
55°	290	296	304	300	295	260
65°	193	197	200	196	193	191
75°	96	98	100	96	94	102
85°	18	19	20	20	19	23
90°	0	0	0	0	0	



TEST NUMBER: P489967

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-1STD-40-120-EDD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	639.7	639.7	639.7	639.7	639.7
2.5°	634.7	636.7	638.9	639.8	634.6
5°	631.3	632.5	637.3	638.7	633.3
7.5°	625.9	627.7	632.3	632.9	627.7
10°	618.4	621.6	624.7	628.0	621.7
12.5°	608.9	613.2	618.4	619.0	614.2
15°	598.1	602.1	607.8	611.5	603.5
17.5°	586.1	590.0	597.3	598.0	593.2
20°	572.7	577.5	586.3	587.9	579.3
22.5°	557.6	564.0	571.3	572.8	566.5
25°	541.6	548.3	557.4	559.4	551.0
27.5°	525.0	531.4	541.6	543.0	535.9
30°	507.1	513.1	524.3	526.8	519.5
32.5°	489.0	495.0	507.4	509.4	502.4
35°	468.8	476.2	487.4	490.8	482.9
37.5°	448.3	455.5	468.2	471.3	462.8
40°	427.1	434.1	446.7	449.3	441.1
42.5°	405.3	412.4	425.9	426.3	419.5
45°	383.1	389.9	402.5	402.8	394.9
47.5°	360.6	367.5	378.7	377.4	369.9
50°	337.8	344.4	354.2	351.6	344.9
52.5°	314.2	320.6	329.8	325.7	319.4
55°	290.5	296.4	304.1	299.7	294.8
57.5°	266.6	272.5	278.4	274.0	269.7
60°	242.5	247.7	252.5	248.0	244.7
62.5°	217.9	222.4	226.6	222.3	219.2
65°	193.1	197.1	200.5	196.5	193.3
67.5°	168.5	171.8	175.0	170.9	167.5
70°	143.8	146.7	149.6	145.4	142.2
72.5°	119.5	122.0	124.6	120.5	117.8
75°	95.8	98.0	100.2	96.5	94.4
77.5°	73.2	75.1	76.6	74.2	72.2
80°	52.2	53.6	54.5	53.6	51.6
82.5°	33.6	34.6	35.1	35.0	33.7
85°	18.3	18.6	19.5	19.7	19.0
87.5°	7.1	7.5	7.7	8.3	7.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)