

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: P489963

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1STD-30-120-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: P489963
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-30-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

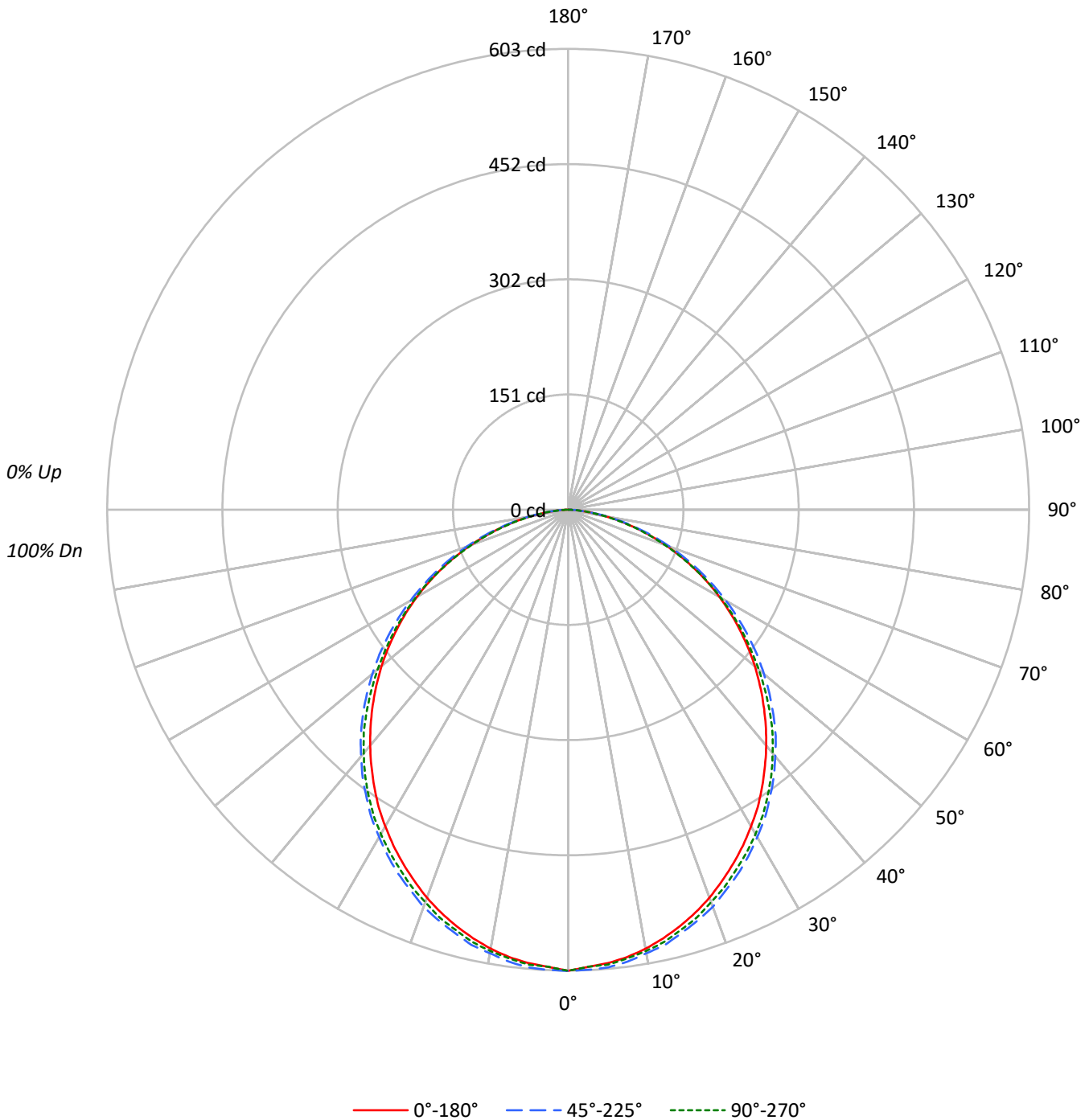
Lumens per Lamp: N/A
Luminaire Lumens: 1586.4 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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

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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	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°	3247	3247	3247
5°	3218	3247	3227
10°	3188	3221	3205
15°	3144	3195	3172
20°	3094	3168	3130
25°	3034	3122	3086
30°	2973	3074	3046
35°	2906	3021	2993
40°	2831	2961	2923
45°	2751	2890	2835
50°	2668	2797	2724
55°	2571	2692	2609
60°	2462	2564	2485
65°	2320	2409	2322
70°	2135	2220	2112
75°	1880	1965	1851
80°	1528	1593	1509
85°	1062	1136	1105



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.8	3.6
10°-20°	161.0	10.2
20°-30°	240.2	15.1
30°-40°	284.6	17.9
40°-50°	288.0	18.2
50°-60°	251.5	15.9
60°-70°	183.8	11.6
70°-80°	97.8	6.2
80°-90°	22.6	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°	458.1	28.9
0°-40°	742.7	46.8
0°-60°	1282.2	80.8
0°-90°	1586.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1586.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	603	603	603	603	603	
5°	596	597	601	602	597	56
15°	564	568	573	577	569	159
25°	511	517	526	528	520	235
35°	442	449	460	463	456	277
45°	361	368	380	380	372	279
55°	274	280	287	283	278	245
65°	182	186	189	185	182	180
75°	90	92	94	91	89	96
85°	17	18	18	18	18	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	603.4	603.4	603.4	603.4	603.4
2.5°	598.7	600.6	602.7	603.5	598.6
5°	595.6	596.7	601.1	602.5	597.4
7.5°	590.4	592.1	596.4	597.1	592.2
10°	583.4	586.4	589.3	592.4	586.4
12.5°	574.4	578.5	583.4	583.9	579.4
15°	564.2	568.0	573.4	576.8	569.3
17.5°	552.9	556.6	563.5	564.1	559.6
20°	540.3	544.8	553.1	554.6	546.5
22.5°	526.0	532.1	539.0	540.4	534.4
25°	510.9	517.2	525.8	527.7	519.7
27.5°	495.2	501.2	510.9	512.3	505.5
30°	478.4	484.0	494.6	496.9	490.1
32.5°	461.3	466.9	478.6	480.6	473.9
35°	442.3	449.2	459.8	463.0	455.5
37.5°	422.9	429.6	441.7	444.6	436.6
40°	402.9	409.5	421.4	423.8	416.1
42.5°	382.4	389.0	401.7	402.1	395.7
45°	361.4	367.8	379.7	380.0	372.5
47.5°	340.2	346.7	357.2	356.0	349.0
50°	318.7	324.8	334.1	331.7	325.3
52.5°	296.4	302.4	311.1	307.2	301.3
55°	274.0	279.6	286.9	282.7	278.1
57.5°	251.5	257.1	262.7	258.5	254.4
60°	228.7	233.6	238.2	233.9	230.9
62.5°	205.6	209.8	213.8	209.7	206.8
65°	182.2	185.9	189.2	185.4	182.3
67.5°	158.9	162.1	165.1	161.2	158.0
70°	135.7	138.4	141.1	137.1	134.2
72.5°	112.7	115.1	117.6	113.7	111.1
75°	90.4	92.5	94.5	91.0	89.0
77.5°	69.1	70.9	72.2	70.0	68.1
80°	49.3	50.6	51.4	50.5	48.7
82.5°	31.7	32.6	33.1	33.0	31.8
85°	17.2	17.5	18.4	18.5	17.9
87.5°	6.7	7.1	7.3	7.9	7.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)