

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: P489964

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1STD-35-120-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: P489964
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-35-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

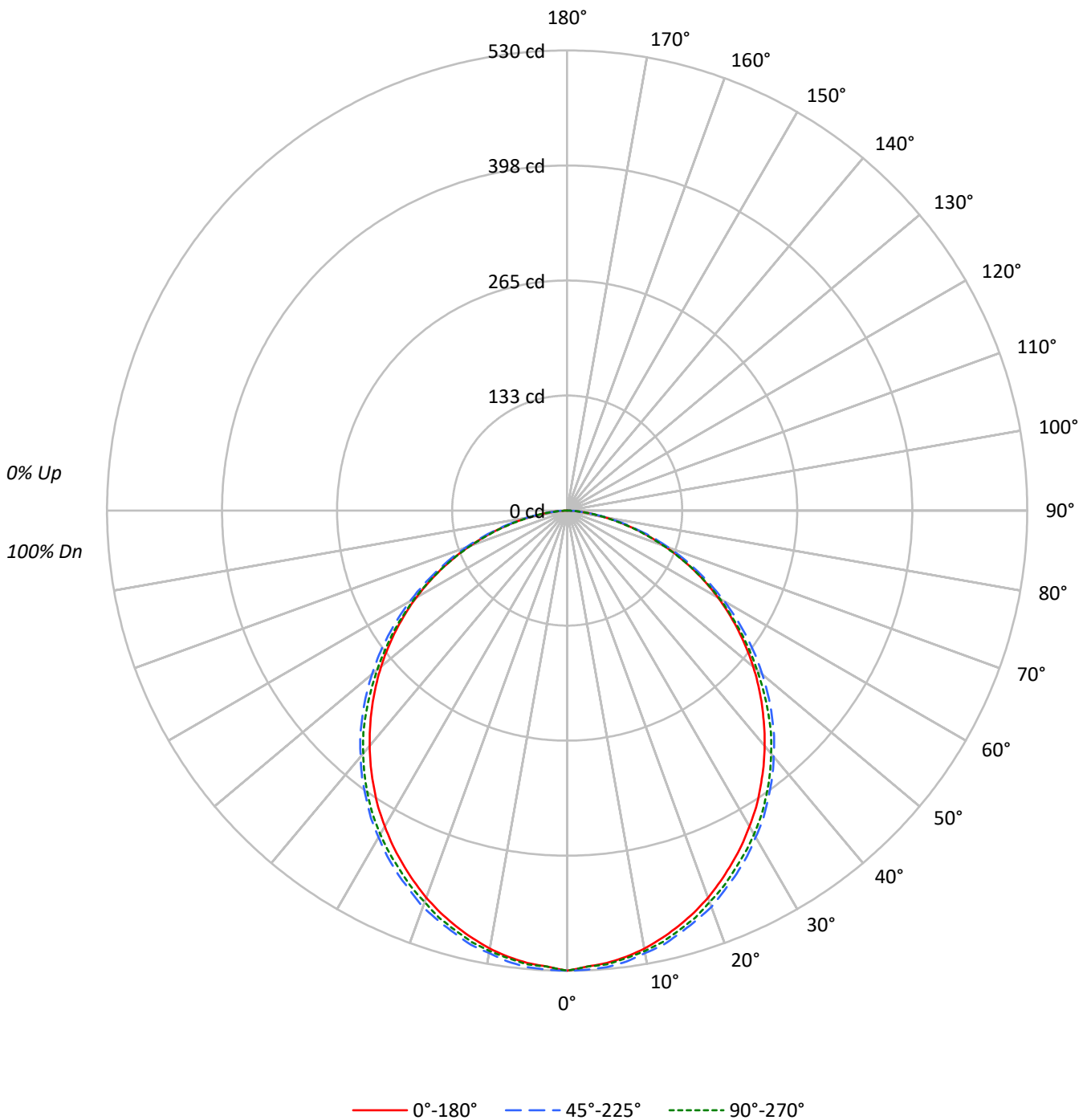
Lumens per Lamp: N/A
Luminaire Lumens: 1393.2 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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°	2852	2852	2852
5°	2826	2852	2835
10°	2800	2828	2814
15°	2761	2805	2786
20°	2718	2782	2749
25°	2665	2742	2710
30°	2611	2700	2675
35°	2552	2653	2629
40°	2486	2600	2567
45°	2416	2538	2490
50°	2344	2457	2392
55°	2259	2364	2291
60°	2162	2252	2182
65°	2038	2115	2039
70°	1874	1951	1854
75°	1651	1726	1626
80°	1342	1401	1327
85°	932	994	969



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.9	3.6
10°-20°	141.4	10.2
20°-30°	210.9	15.1
30°-40°	250.0	17.9
40°-50°	252.9	18.2
50°-60°	220.9	15.9
60°-70°	161.4	11.6
70°-80°	85.9	6.2
80°-90°	19.8	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°	402.3	28.9
0°-40°	652.2	46.8
0°-60°	1126.0	80.8
0°-90°	1393.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1393.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	530	530	530	530	530	
5°	523	524	528	529	525	50
15°	496	499	504	507	500	140
25°	449	454	462	463	456	207
35°	388	394	404	407	400	243
45°	317	323	333	334	327	245
55°	241	246	252	248	244	215
65°	160	163	166	163	160	158
75°	79	81	83	80	78	84
85°	15	15	16	16	16	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	529.9	529.9	529.9	529.9	529.9
2.5°	525.8	527.5	529.3	530.0	525.7
5°	523.0	524.0	527.9	529.2	524.7
7.5°	518.5	520.0	523.8	524.3	520.0
10°	512.3	515.0	517.5	520.3	515.0
12.5°	504.4	508.0	512.3	512.8	508.8
15°	495.5	498.8	503.5	506.6	500.0
17.5°	485.6	488.8	494.9	495.4	491.4
20°	474.5	478.5	485.8	487.0	479.9
22.5°	461.9	467.3	473.3	474.5	469.3
25°	448.7	454.2	461.7	463.4	456.4
27.5°	434.9	440.2	448.7	449.9	444.0
30°	420.1	425.1	434.4	436.4	430.4
32.5°	405.1	410.1	420.3	422.0	416.2
35°	388.4	394.5	403.8	406.6	400.1
37.5°	371.4	377.3	387.9	390.5	383.4
40°	353.8	359.7	370.1	372.2	365.4
42.5°	335.8	341.7	352.8	353.1	347.5
45°	317.4	323.0	333.4	333.7	327.1
47.5°	298.8	304.4	313.7	312.7	306.5
50°	279.9	285.3	293.4	291.3	285.7
52.5°	260.3	265.6	273.2	269.8	264.6
55°	240.7	245.5	251.9	248.3	244.2
57.5°	220.8	225.8	230.7	227.0	223.4
60°	200.9	205.2	209.2	205.4	202.7
62.5°	180.5	184.2	187.7	184.1	181.6
65°	160.0	163.3	166.1	162.8	160.1
67.5°	139.6	142.3	145.0	141.6	138.7
70°	119.1	121.5	124.0	120.4	117.8
72.5°	99.0	101.1	103.2	99.8	97.6
75°	79.4	81.2	83.0	79.9	78.2
77.5°	60.7	62.2	63.4	61.5	59.8
80°	43.3	44.4	45.2	44.4	42.8
82.5°	27.8	28.7	29.0	29.0	27.9
85°	15.1	15.4	16.1	16.3	15.7
87.5°	5.9	6.2	6.4	6.9	6.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)