

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: P489983

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2LO-20-120-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: P489983
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-LD4-2LO-20-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

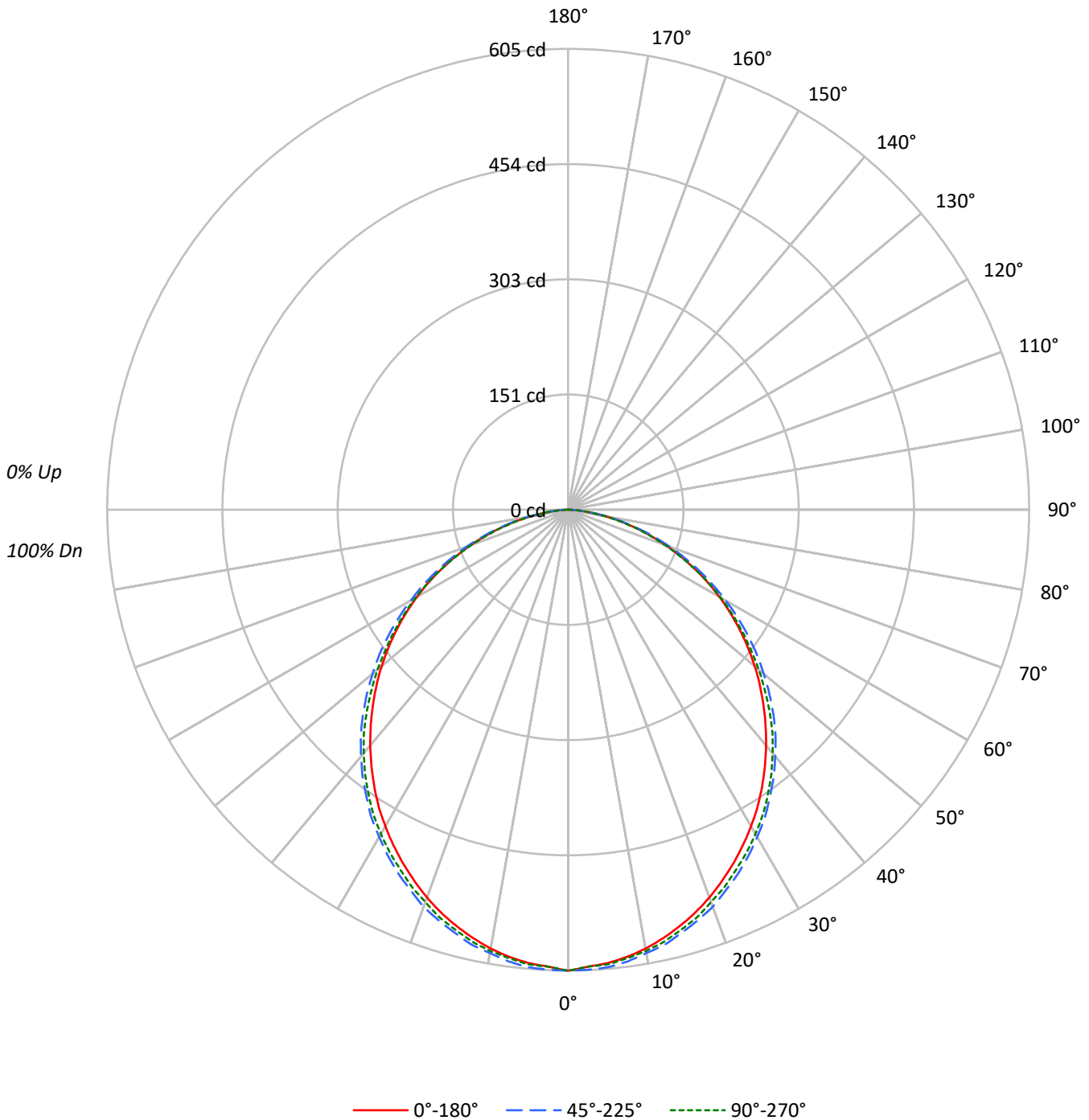
Lumens per Lamp: N/A
Luminaire Lumens: 1591.2 lumens
Efficiency: N/A
Efficacy: 68.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 23.4
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°	3257	3257	3257
5°	3227	3258	3237
10°	3198	3230	3215
15°	3154	3204	3182
20°	3104	3178	3139
25°	3043	3132	3096
30°	2982	3083	3054
35°	2915	3030	3002
40°	2839	2970	2932
45°	2759	2898	2844
50°	2676	2806	2732
55°	2579	2700	2617
60°	2469	2571	2493
65°	2327	2416	2329
70°	2142	2228	2118
75°	1886	1971	1857
80°	1531	1599	1516
85°	1068	1136	1112



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.0	3.6
10°-20°	161.5	10.2
20°-30°	240.9	15.1
30°-40°	285.5	17.9
40°-50°	288.9	18.2
50°-60°	252.3	15.9
60°-70°	184.4	11.6
70°-80°	98.1	6.2
80°-90°	22.7	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°	459.4	28.9
0°-40°	744.9	46.8
0°-60°	1286.1	80.8
0°-90°	1591.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1591.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	605	605	605	605	605	
5°	597	598	603	604	599	57
15°	566	570	575	579	571	160
25°	512	519	527	529	521	236
35°	444	451	461	464	457	277
45°	362	369	381	381	374	280
55°	275	280	288	284	279	246
65°	183	186	190	186	183	181
75°	91	93	95	91	89	96
85°	17	18	18	19	18	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	605.2	605.2	605.2	605.2	605.2
2.5°	600.5	602.5	604.5	605.4	600.4
5°	597.4	598.5	603.0	604.4	599.2
7.5°	592.2	593.9	598.2	598.9	593.9
10°	585.1	588.1	591.0	594.2	588.2
12.5°	576.1	580.2	585.1	585.7	581.1
15°	566.0	569.7	575.1	578.6	571.1
17.5°	554.6	558.3	565.2	565.8	561.3
20°	541.9	546.5	554.8	556.2	548.1
22.5°	527.5	533.7	540.6	542.0	536.0
25°	512.5	518.8	527.4	529.3	521.3
27.5°	496.7	502.8	512.4	513.8	507.1
30°	479.8	485.5	496.1	498.4	491.5
32.5°	462.7	468.3	480.1	482.0	475.3
35°	443.6	450.6	461.2	464.4	456.9
37.5°	424.2	430.9	443.0	445.9	437.9
40°	404.1	410.8	422.7	425.1	417.3
42.5°	383.5	390.2	402.9	403.3	396.9
45°	362.5	369.0	380.8	381.1	373.6
47.5°	341.2	347.7	358.3	357.1	350.0
50°	319.6	325.8	335.1	332.7	326.3
52.5°	297.3	303.3	312.1	308.2	302.2
55°	274.9	280.4	287.7	283.6	278.9
57.5°	252.2	257.8	263.5	259.2	255.2
60°	229.4	234.3	238.9	234.6	231.6
62.5°	206.2	210.4	214.4	210.3	207.4
65°	182.7	186.5	189.7	186.0	182.9
67.5°	159.4	162.6	165.6	161.7	158.5
70°	136.1	138.8	141.6	137.5	134.6
72.5°	113.1	115.5	117.9	114.0	111.4
75°	90.7	92.8	94.8	91.3	89.3
77.5°	69.3	71.1	72.5	70.2	68.3
80°	49.4	50.8	51.6	50.7	48.9
82.5°	31.8	32.7	33.2	33.1	31.9
85°	17.3	17.6	18.4	18.6	18.0
87.5°	6.7	7.1	7.3	7.9	7.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)