

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: P489940

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1HI-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: P489940
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-LD4-1HI-35-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

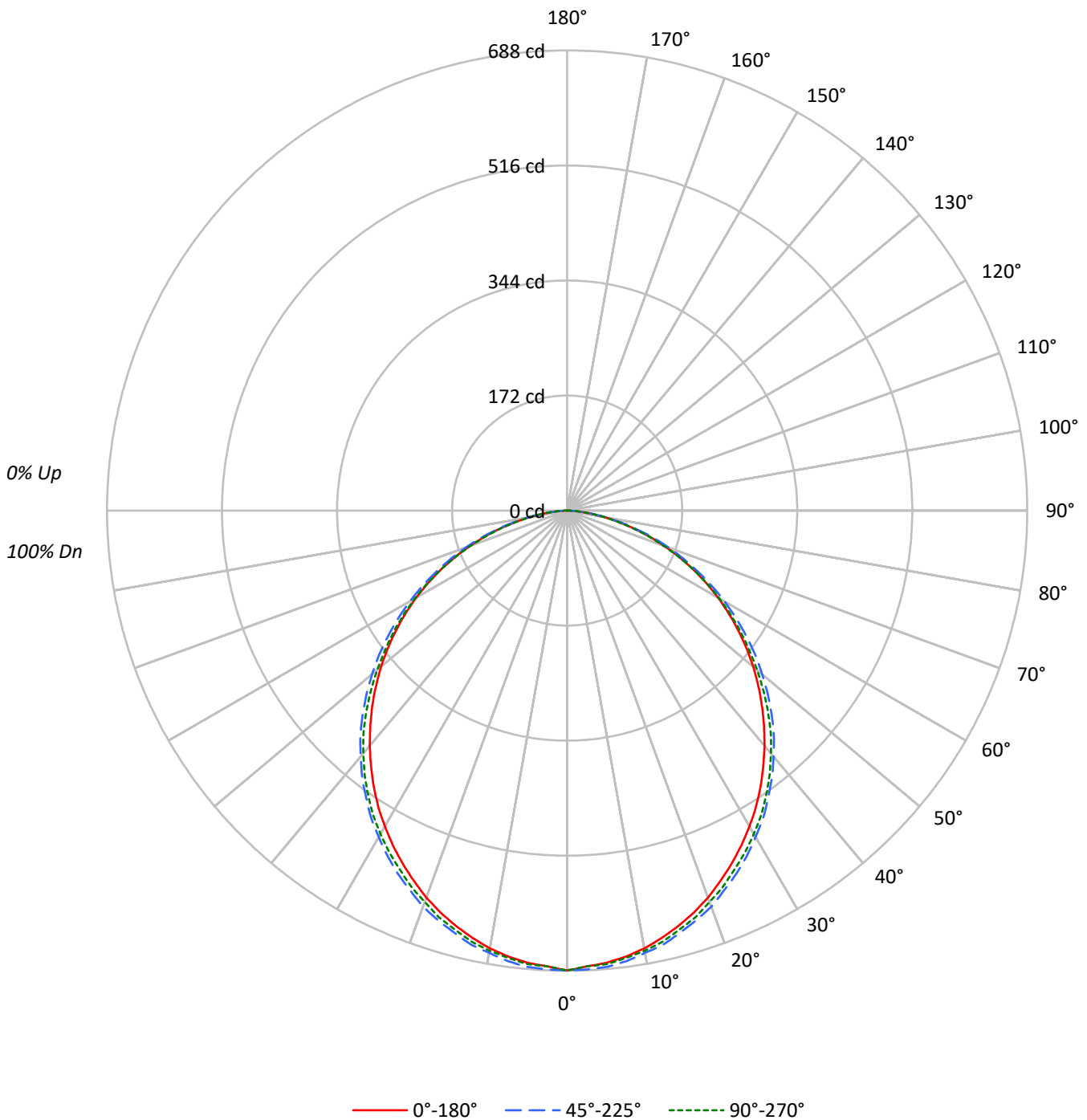
Lumens per Lamp: N/A
Luminaire Lumens: 1807.4 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 21.6
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°	3700	3700	3700
5°	3666	3700	3677
10°	3632	3669	3651
15°	3582	3640	3614
20°	3526	3609	3566
25°	3457	3557	3516
30°	3387	3502	3470
35°	3311	3442	3410
40°	3225	3373	3330
45°	3134	3293	3230
50°	3040	3187	3104
55°	2929	3066	2973
60°	2805	2921	2831
65°	2644	2744	2645
70°	2433	2530	2406
75°	2142	2240	2109
80°	1742	1816	1720
85°	1210	1291	1260



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.7	3.6
10°-20°	183.5	10.2
20°-30°	273.6	15.1
30°-40°	324.3	17.9
40°-50°	328.1	18.2
50°-60°	286.6	15.9
60°-70°	209.4	11.6
70°-80°	111.4	6.2
80°-90°	25.8	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°	521.9	28.9
0°-40°	846.1	46.8
0°-60°	1460.8	80.8
0°-90°	1807.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1807.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	688	688	688	688	688	
5°	678	680	685	686	681	64
15°	643	647	653	657	649	181
25°	582	589	599	601	592	268
35°	504	512	524	528	519	315
45°	412	419	433	433	424	318
55°	312	318	327	322	317	279
65°	208	212	216	211	208	205
75°	103	105	108	104	101	110
85°	20	20	21	21	20	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	687.5	687.5	687.5	687.5	687.5
2.5°	682.1	684.3	686.6	687.6	682.0
5°	678.5	679.8	684.9	686.5	680.7
7.5°	672.6	674.6	679.5	680.2	674.6
10°	664.6	668.1	671.4	674.9	668.1
12.5°	654.4	659.0	664.6	665.3	660.1
15°	642.8	647.1	653.2	657.2	648.6
17.5°	630.0	634.1	642.0	642.7	637.5
20°	615.6	620.7	630.2	631.8	622.6
22.5°	599.2	606.2	614.1	615.6	608.8
25°	582.1	589.3	599.0	601.2	592.1
27.5°	564.2	571.1	582.0	583.6	575.9
30°	545.0	551.5	563.5	566.1	558.3
32.5°	525.5	532.0	545.3	547.5	539.9
35°	503.9	511.8	523.9	527.5	519.0
37.5°	481.8	489.5	503.2	506.5	497.4
40°	459.0	466.6	480.1	482.8	474.0
42.5°	435.6	443.2	457.7	458.1	450.8
45°	411.8	419.1	432.6	432.9	424.4
47.5°	387.6	394.9	407.0	405.6	397.6
50°	363.1	370.1	380.6	377.9	370.7
52.5°	337.7	344.5	354.5	350.0	343.2
55°	312.2	318.5	326.8	322.1	316.8
57.5°	286.5	292.9	299.3	294.5	289.9
60°	260.6	266.2	271.4	266.5	263.0
62.5°	234.2	239.0	243.5	238.9	235.6
65°	207.6	211.8	215.5	211.2	207.7
67.5°	181.1	184.7	188.1	183.7	180.0
70°	154.6	157.6	160.8	156.2	152.9
72.5°	128.4	131.1	133.9	129.5	126.6
75°	103.0	105.4	107.7	103.7	101.4
77.5°	78.7	80.7	82.3	79.8	77.6
80°	56.2	57.7	58.6	57.6	55.5
82.5°	36.1	37.2	37.7	37.6	36.2
85°	19.6	20.0	20.9	21.1	20.4
87.5°	7.6	8.1	8.3	9.0	8.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)