

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: P489955

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1LO-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: P489955
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-LD4-1LO-40-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

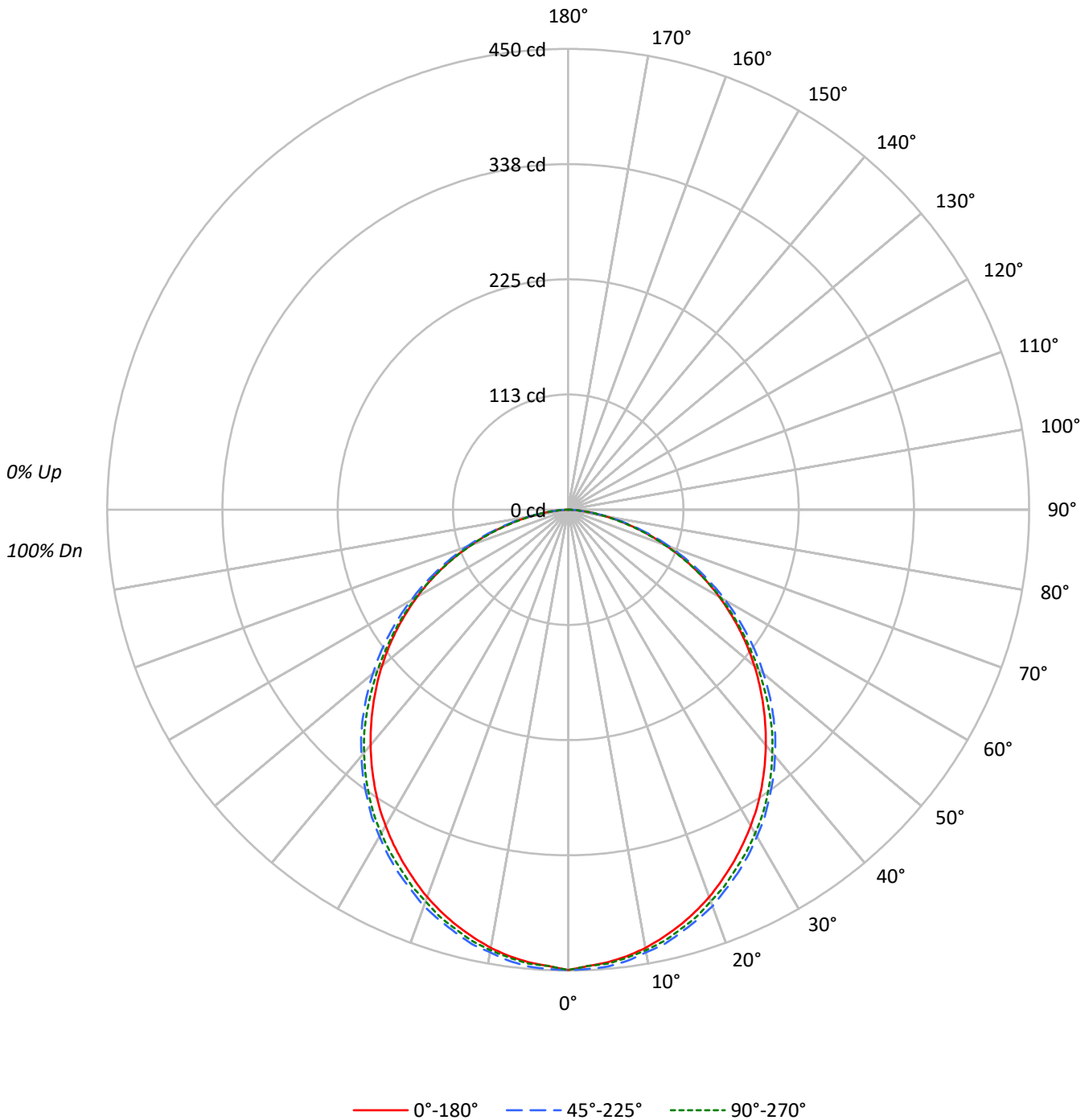
Lumens per Lamp: N/A
Luminaire Lumens: 1181.7 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
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°	2419	2419	2419
5°	2397	2419	2404
10°	2375	2399	2387
15°	2342	2380	2363
20°	2305	2360	2331
25°	2260	2325	2299
30°	2214	2289	2268
35°	2165	2250	2229
40°	2108	2205	2177
45°	2049	2152	2112
50°	1988	2084	2029
55°	1915	2005	1943
60°	1834	1910	1851
65°	1728	1794	1729
70°	1591	1654	1572
75°	1399	1464	1379
80°	1137	1187	1125
85°	790	846	821



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.3	3.6
10°-20°	120.0	10.2
20°-30°	178.9	15.1
30°-40°	212.0	17.9
40°-50°	214.5	18.2
50°-60°	187.4	15.9
60°-70°	136.9	11.6
70°-80°	72.9	6.2
80°-90°	16.8	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°	341.2	28.9
0°-40°	553.2	46.8
0°-60°	955.1	80.8
0°-90°	1181.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1181.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	450	450	450	450	450	
5°	444	444	448	449	445	42
15°	420	423	427	430	424	118
25°	381	385	392	393	387	175
35°	330	335	342	345	339	206
45°	269	274	283	283	278	208
55°	204	208	214	211	207	182
65°	136	138	141	138	136	134
75°	67	69	70	68	66	72
85°	13	13	14	14	13	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	449.5	449.5	449.5	449.5	449.5
2.5°	446.0	447.4	448.9	449.6	445.9
5°	443.6	444.5	447.8	448.8	445.0
7.5°	439.8	441.0	444.3	444.7	441.1
10°	434.5	436.8	438.9	441.3	436.8
12.5°	427.8	430.9	434.5	435.0	431.6
15°	420.3	423.1	427.1	429.7	424.1
17.5°	411.9	414.6	419.7	420.2	416.8
20°	402.5	405.8	412.0	413.1	407.0
22.5°	391.8	396.3	401.5	402.5	398.1
25°	380.6	385.3	391.6	393.1	387.1
27.5°	368.9	373.4	380.5	381.6	376.6
30°	356.3	360.5	368.4	370.1	365.0
32.5°	343.6	347.8	356.5	358.0	353.0
35°	329.5	334.6	342.5	344.9	339.3
37.5°	315.0	320.0	329.0	331.2	325.2
40°	300.1	305.1	313.9	315.7	309.9
42.5°	284.8	289.8	299.2	299.5	294.7
45°	269.2	274.0	282.8	283.0	277.5
47.5°	253.4	258.2	266.1	265.2	260.0
50°	237.4	242.0	248.9	247.1	242.3
52.5°	220.8	225.3	231.8	228.9	224.4
55°	204.1	208.3	213.7	210.6	207.1
57.5°	187.3	191.5	195.7	192.5	189.5
60°	170.4	174.0	177.4	174.3	172.0
62.5°	153.1	156.3	159.2	156.2	154.0
65°	135.7	138.5	140.9	138.1	135.8
67.5°	118.4	120.7	123.0	120.1	117.7
70°	101.1	103.1	105.1	102.1	99.9
72.5°	84.0	85.7	87.6	84.7	82.7
75°	67.3	68.9	70.4	67.8	66.3
77.5°	51.5	52.8	53.8	52.2	50.7
80°	36.7	37.7	38.3	37.7	36.3
82.5°	23.6	24.3	24.6	24.6	23.7
85°	12.8	13.1	13.7	13.8	13.3
87.5°	5.0	5.3	5.4	5.9	5.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)