

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: P489960

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1STD-27-120-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: P489960
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-27-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

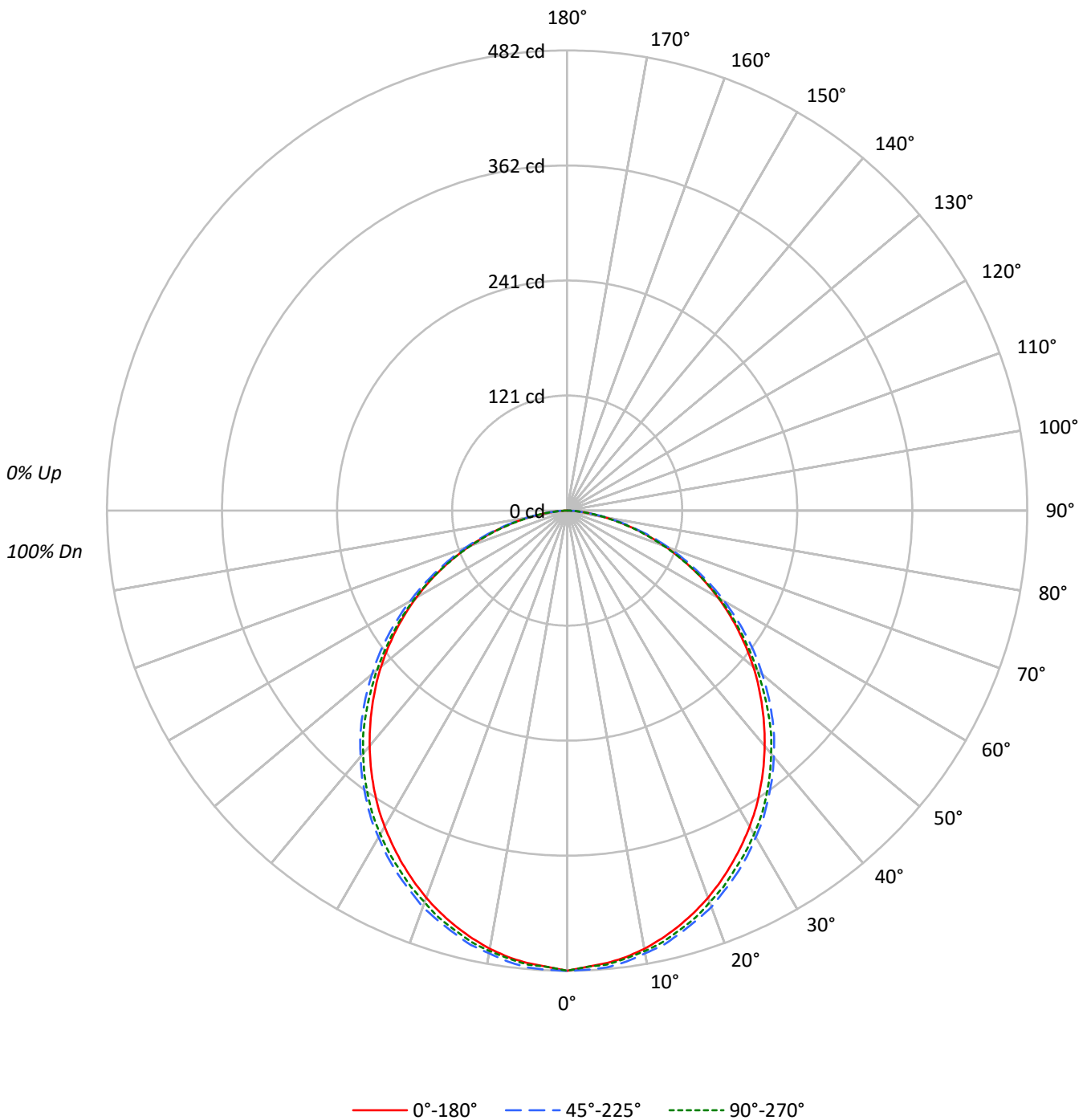
Lumens per Lamp: N/A
Luminaire Lumens: 1267.4 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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°	2595	2595	2595
5°	2571	2595	2579
10°	2547	2573	2560
15°	2512	2552	2535
20°	2472	2531	2501
25°	2424	2494	2466
30°	2375	2455	2433
35°	2321	2414	2391
40°	2262	2366	2335
45°	2198	2308	2265
50°	2132	2235	2176
55°	2054	2151	2085
60°	1967	2048	1985
65°	1854	1924	1855
70°	1706	1775	1687
75°	1501	1570	1478
80°	1221	1274	1206
85°	852	908	883



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	3.6
10°-20°	128.7	10.2
20°-30°	191.9	15.1
30°-40°	227.4	17.9
40°-50°	230.1	18.2
50°-60°	201.0	15.9
60°-70°	146.8	11.6
70°-80°	78.1	6.2
80°-90°	18.1	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°	366.0	28.9
0°-40°	593.3	46.8
0°-60°	1024.4	80.8
0°-90°	1267.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1267.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	482	482	482	482	482	
5°	476	477	480	481	477	45
15°	451	454	458	461	455	127
25°	408	413	420	422	415	188
35°	353	359	367	370	364	221
45°	289	294	303	304	298	223
55°	219	223	229	226	222	196
65°	146	148	151	148	146	144
75°	72	74	76	73	71	77
85°	14	14	15	15	14	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	482.1	482.1	482.1	482.1	482.1
2.5°	478.3	479.9	481.5	482.2	478.3
5°	475.8	476.7	480.3	481.4	477.3
7.5°	471.7	473.0	476.5	477.0	473.1
10°	466.1	468.5	470.8	473.3	468.5
12.5°	458.9	462.1	466.1	466.5	462.9
15°	450.8	453.8	458.1	460.8	454.9
17.5°	441.7	444.7	450.2	450.7	447.1
20°	431.6	435.3	441.9	443.0	436.6
22.5°	420.2	425.1	430.6	431.7	426.9
25°	408.2	413.2	420.0	421.6	415.2
27.5°	395.6	400.5	408.1	409.2	403.9
30°	382.2	386.7	395.1	397.0	391.5
32.5°	368.5	373.0	382.4	383.9	378.6
35°	353.3	358.9	367.4	369.9	363.9
37.5°	337.9	343.2	352.9	355.2	348.8
40°	321.9	327.2	336.7	338.6	332.4
42.5°	305.5	310.8	320.9	321.2	316.1
45°	288.8	293.9	303.3	303.6	297.6
47.5°	271.8	276.9	285.4	284.4	278.8
50°	254.6	259.5	266.9	265.0	259.9
52.5°	236.8	241.6	248.6	245.5	240.7
55°	218.9	223.4	229.2	225.9	222.2
57.5°	200.9	205.4	209.8	206.5	203.3
60°	182.7	186.6	190.3	186.9	184.4
62.5°	164.2	167.6	170.8	167.5	165.2
65°	145.6	148.5	151.1	148.1	145.7
67.5°	127.0	129.5	131.9	128.8	126.2
70°	108.4	110.5	112.8	109.5	107.2
72.5°	90.1	92.0	93.9	90.8	88.8
75°	72.2	73.9	75.5	72.7	71.1
77.5°	55.2	56.6	57.7	56.0	54.4
80°	39.4	40.4	41.1	40.4	38.9
82.5°	25.3	26.1	26.4	26.4	25.4
85°	13.8	14.0	14.7	14.8	14.3
87.5°	5.3	5.7	5.8	6.3	5.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)