

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: P490004

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2STD-50-120-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: P490004
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-LD4-2STD-50-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

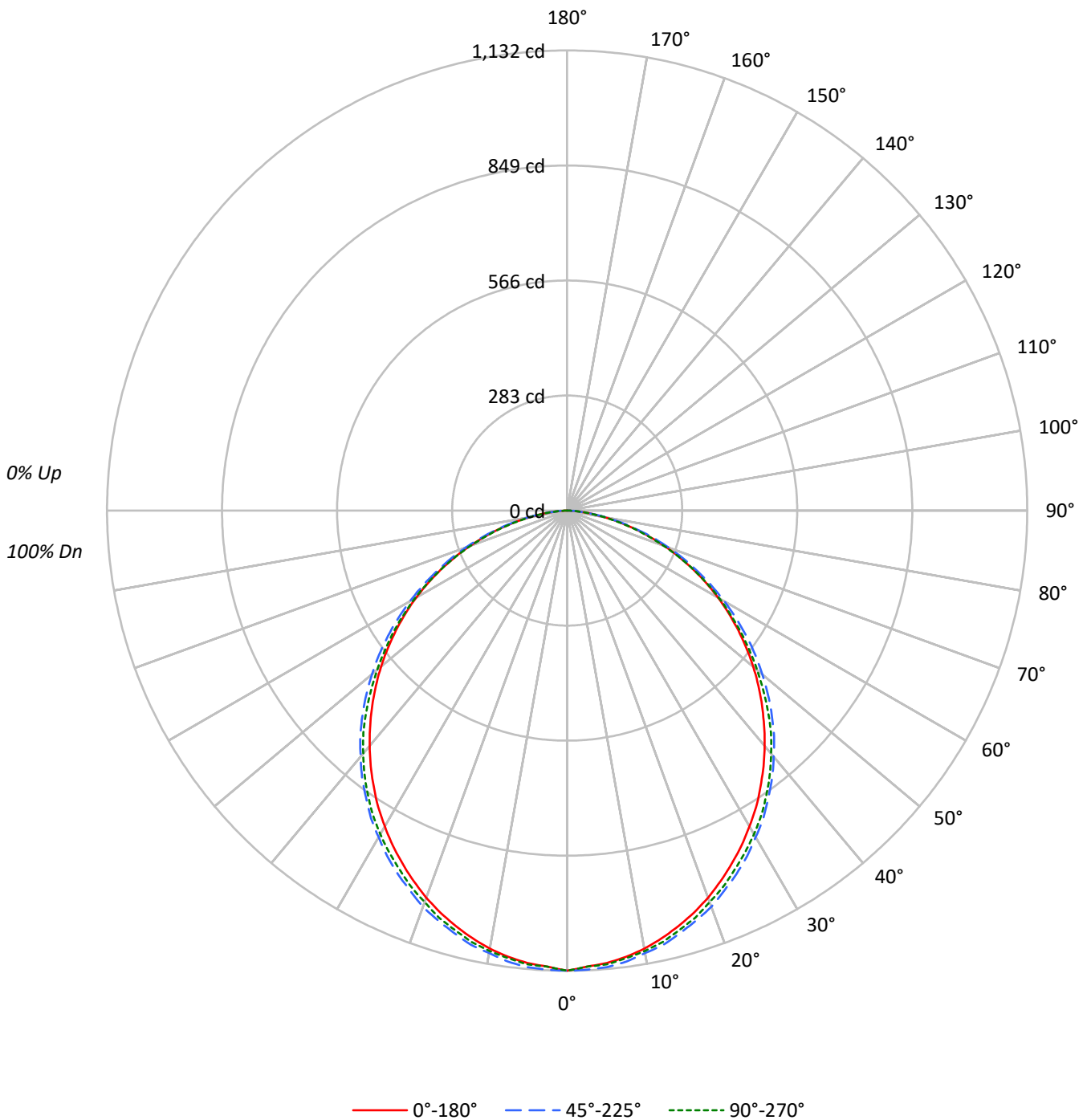
Lumens per Lamp: N/A
Luminaire Lumens: 2975.7 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 33.3
Input Voltage (V): NR
Input Current (A_{in}): 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°	6092	6092	6092
5°	6035	6092	6054
10°	5980	6040	6011
15°	5897	5992	5950
20°	5805	5942	5871
25°	5691	5856	5789
30°	5576	5765	5712
35°	5451	5667	5614
40°	5309	5554	5483
45°	5160	5421	5318
50°	5005	5247	5110
55°	4823	5049	4894
60°	4618	4809	4661
65°	4351	4518	4355
70°	4005	4165	3961
75°	3527	3685	3473
80°	2867	2991	2833
85°	1995	2124	2075



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.6	3.6
10°-20°	302.1	10.2
20°-30°	450.5	15.1
30°-40°	533.9	17.9
40°-50°	540.2	18.2
50°-60°	471.8	15.9
60°-70°	344.8	11.6
70°-80°	183.4	6.2
80°-90°	42.4	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°	859.2	28.9
0°-40°	1393.1	46.8
0°-60°	2405.1	80.8
0°-90°	2975.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2975.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1132	1132	1132	1132	1132	
5°	1117	1119	1128	1130	1121	106
15°	1058	1066	1076	1082	1068	298
25°	958	970	986	990	975	442
35°	830	843	862	868	854	519
45°	678	690	712	713	699	523
55°	514	524	538	530	522	459
65°	342	349	355	348	342	338
75°	170	174	177	171	167	180
85°	32	33	34	35	34	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1131.9	1131.9	1131.9	1131.9	1131.9
2.5°	1123.0	1126.7	1130.4	1132.1	1122.9
5°	1117.1	1119.2	1127.6	1130.2	1120.6
7.5°	1107.4	1110.6	1118.8	1119.9	1110.7
10°	1094.2	1099.9	1105.3	1111.2	1100.0
12.5°	1077.4	1085.0	1094.2	1095.3	1086.8
15°	1058.4	1065.5	1075.5	1082.0	1067.9
17.5°	1037.2	1044.0	1057.0	1058.1	1049.7
20°	1013.5	1021.9	1037.5	1040.2	1025.0
22.5°	986.6	998.0	1011.0	1013.6	1002.4
25°	958.4	970.2	986.2	989.9	974.9
27.5°	928.9	940.2	958.3	960.9	948.2
30°	897.3	907.9	927.7	932.1	919.2
32.5°	865.2	875.8	897.8	901.4	888.9
35°	829.6	842.6	862.5	868.5	854.5
37.5°	793.3	805.9	828.5	834.0	818.9
40°	755.7	768.2	790.5	794.9	780.4
42.5°	717.2	729.7	753.5	754.3	742.2
45°	678.0	690.0	712.2	712.7	698.7
47.5°	638.1	650.2	670.1	667.8	654.6
50°	597.8	609.3	626.7	622.2	610.3
52.5°	556.0	567.2	583.6	576.3	565.1
55°	514.0	524.4	538.1	530.3	521.6
57.5°	471.7	482.2	492.7	484.8	477.2
60°	429.0	438.2	446.8	438.8	433.0
62.5°	385.6	393.5	400.9	393.3	387.9
65°	341.7	348.7	354.8	347.8	342.0
67.5°	298.1	304.0	309.7	302.4	296.3
70°	254.5	259.6	264.7	257.2	251.7
72.5°	211.4	215.9	220.5	213.2	208.4
75°	169.6	173.5	177.2	170.8	167.0
77.5°	129.6	132.9	135.5	131.4	127.7
80°	92.5	94.9	96.5	94.8	91.4
82.5°	59.4	61.2	62.0	61.9	59.7
85°	32.3	32.9	34.4	34.8	33.6
87.5°	12.5	13.3	13.7	14.7	13.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)