

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: P490146

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2STD-40-120-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: P490146
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P387254)
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-P12125-LD4-2STD-40-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

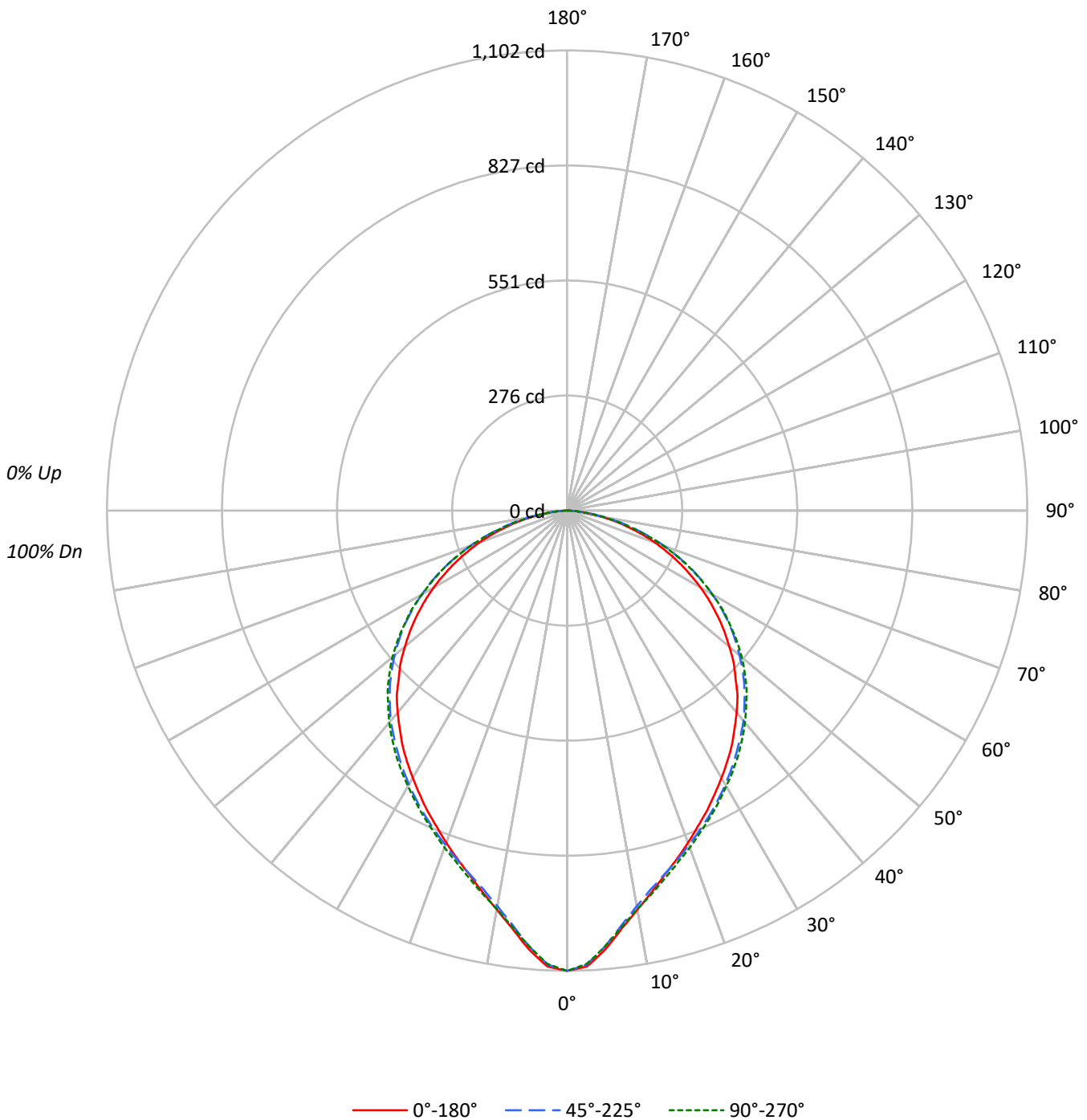
Lumens per Lamp: N/A
Luminaire Lumens: 2560.4 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 33.3
Input Voltage (V): NR
Input Current (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

TEST NUMBER: P490146

CATALOG NUMBER: CLP-12-2-INS-P12125-LD4-2STD-40-120-EDD-90

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	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59
4	83	71	62	55	81	70	61	55	67	60	54	65	59	54	63	57	53	51
5	76	63	54	48	74	62	54	48	60	53	47	58	52	46	56	51	46	44
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5933	5933	5933
5°	5696	5656	5656
10°	5302	5253	5294
15°	5031	5021	5070
20°	4846	4881	4919
25°	4707	4785	4812
30°	4594	4707	4736
35°	4515	4647	4694
40°	4435	4615	4654
45°	4344	4570	4625
50°	4248	4513	4573
55°	4130	4448	4466
60°	3982	4326	4316
65°	3775	4160	4132
70°	3523	3879	3832
75°	3111	3437	3402
80°	2526	2799	2662
85°	1754	1785	1717



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.4	3.8
10°-20°	255.1	10.0
20°-30°	371.0	14.5
30°-40°	441.5	17.2
40°-50°	458.4	17.9
50°-60°	415.3	16.2
60°-70°	313.4	12.2
70°-80°	170.8	6.7
80°-90°	37.5	1.5
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°	723.5	28.3
0°-40°	1165.0	45.5
0°-60°	2038.8	79.6
0°-90°	2560.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2560.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1102	1102	1102	1102	1102	
5°	1054	1052	1047	1046	1047	98
15°	903	901	901	907	910	255
25°	793	799	806	812	810	365
35°	687	696	707	718	714	430
45°	571	581	600	607	608	441
55°	440	451	474	477	476	393
65°	296	305	327	326	324	293
75°	150	156	165	166	164	159
85°	28	29	29	29	28	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1102.3	1102.3	1102.3	1102.3	1102.3
2.5°	1092.6	1091.5	1088.0	1086.6	1086.3
5°	1054.4	1051.9	1046.9	1046.4	1046.9
7.5°	1008.6	1005.9	1000.9	1002.9	1005.3
10°	970.1	963.2	961.3	964.0	968.7
12.5°	935.6	930.1	928.5	935.6	939.0
15°	902.9	900.7	901.2	907.3	910.0
17.5°	874.5	873.1	876.7	881.4	882.8
20°	846.1	848.9	852.2	857.2	858.8
22.5°	818.3	823.5	829.1	835.7	833.5
25°	792.7	799.3	805.7	812.3	810.3
27.5°	765.4	773.1	782.0	789.1	786.4
30°	739.3	748.9	757.4	766.3	762.1
32.5°	713.4	722.5	732.7	743.4	738.7
35°	687.2	695.5	707.3	718.1	714.5
37.5°	658.3	668.5	682.0	691.3	688.9
40°	631.3	640.7	656.9	663.0	662.4
42.5°	604.0	611.8	628.8	635.7	634.6
45°	570.7	580.9	600.4	607.1	607.6
47.5°	541.2	549.8	570.7	575.9	577.0
50°	507.4	518.1	539.0	545.4	546.2
52.5°	474.0	485.6	507.1	511.5	512.3
55°	440.1	450.6	474.0	477.3	476.0
57.5°	404.6	417.3	438.8	440.4	441.8
60°	369.9	380.9	401.9	404.1	401.0
62.5°	332.2	343.5	365.0	365.5	363.0
65°	296.4	304.9	326.7	326.1	324.5
67.5°	258.9	269.4	285.4	285.9	284.5
70°	223.9	231.1	246.5	246.8	243.5
72.5°	186.2	193.9	206.3	204.7	203.8
75°	149.6	155.6	165.3	166.4	163.6
77.5°	116.0	120.4	127.5	126.7	123.7
80°	81.5	85.1	90.3	89.2	85.9
82.5°	52.0	54.3	57.6	56.2	54.8
85°	28.4	28.6	28.9	28.6	27.8
87.5°	10.5	10.7	10.7	10.5	9.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)