

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: P490122

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2HI-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: P490122
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-LD4-2HI-40-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

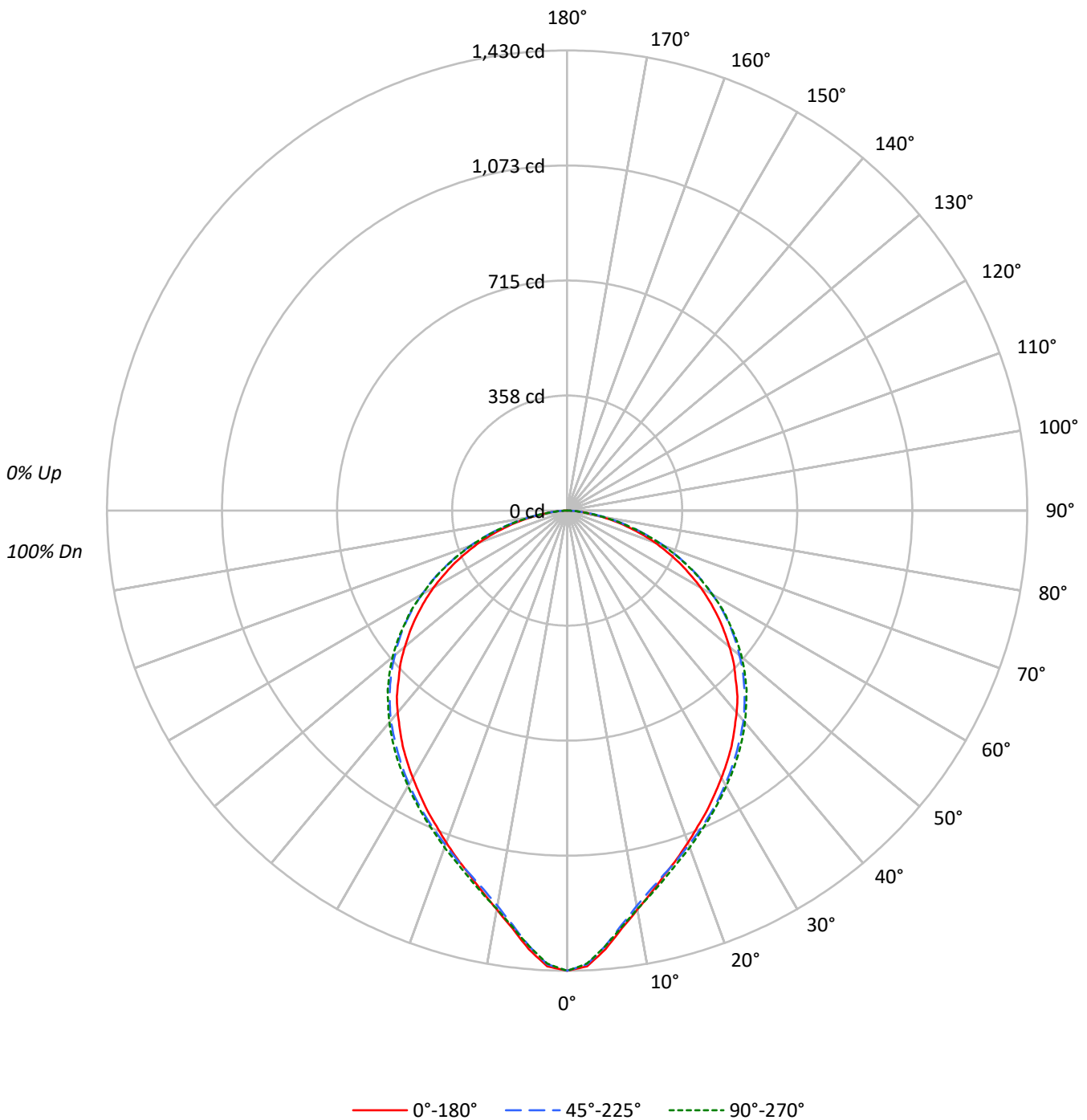
Lumens per Lamp: N/A
Luminaire Lumens: 3321.6 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 43.2
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	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°	7696	7696	7696
5°	7390	7338	7338
10°	6878	6815	6868
15°	6526	6515	6578
20°	6287	6332	6381
25°	6107	6207	6242
30°	5960	6106	6144
35°	5857	6029	6090
40°	5754	5987	6037
45°	5635	5929	5999
50°	5511	5855	5933
55°	5358	5770	5794
60°	5166	5611	5600
65°	4897	5397	5360
70°	4571	5032	4971
75°	4034	4458	4413
80°	3279	3632	3456
85°	2272	2316	2229



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.4	3.8
10°-20°	331.0	10.0
20°-30°	481.3	14.5
30°-40°	572.7	17.2
40°-50°	594.7	17.9
50°-60°	538.8	16.2
60°-70°	406.6	12.2
70°-80°	221.5	6.7
80°-90°	48.7	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°	938.6	28.3
0°-40°	1511.4	45.5
0°-60°	2644.8	79.6
0°-90°	3321.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3321.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1430	1430	1430	1430	1430	
5°	1368	1365	1358	1358	1358	127
15°	1171	1168	1169	1177	1181	331
25°	1028	1037	1045	1054	1051	474
35°	892	902	918	932	927	557
45°	740	754	779	788	788	572
55°	571	585	615	619	618	510
65°	384	396	424	423	421	380
75°	194	202	214	216	212	207
85°	37	37	38	37	36	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1430.0	1430.0	1430.0	1430.0	1430.0
2.5°	1417.5	1416.1	1411.4	1409.6	1409.3
5°	1367.8	1364.6	1358.2	1357.5	1358.2
7.5°	1308.5	1304.9	1298.5	1301.0	1304.2
10°	1258.5	1249.6	1247.0	1250.6	1256.7
12.5°	1213.8	1206.7	1204.5	1213.8	1218.1
15°	1171.3	1168.4	1169.2	1177.0	1180.6
17.5°	1134.5	1132.7	1137.4	1143.4	1145.2
20°	1097.7	1101.3	1105.6	1112.0	1114.1
22.5°	1061.6	1068.4	1075.5	1084.1	1081.3
25°	1028.4	1036.9	1045.2	1053.7	1051.2
27.5°	993.0	1003.0	1014.4	1023.7	1020.1
30°	959.0	971.5	982.6	994.1	988.7
32.5°	925.5	937.3	950.5	964.4	958.3
35°	891.5	902.2	917.6	931.5	926.9
37.5°	854.0	867.2	884.7	896.9	893.7
40°	819.0	831.1	852.2	860.1	859.3
42.5°	783.6	793.6	815.8	824.7	823.3
45°	740.4	753.6	779.0	787.5	788.2
47.5°	702.1	713.2	740.4	747.2	748.6
50°	658.2	672.1	699.3	707.5	708.6
52.5°	614.9	629.9	657.8	663.5	664.6
55°	571.0	584.6	614.9	619.2	617.5
57.5°	524.9	541.3	569.2	571.4	573.1
60°	479.9	494.2	521.3	524.2	520.3
62.5°	430.9	445.6	473.5	474.2	470.9
65°	384.5	395.6	423.8	423.1	420.9
67.5°	335.9	349.4	370.2	370.9	369.1
70°	290.5	299.8	319.8	320.2	315.9
72.5°	241.6	251.6	267.6	265.5	264.4
75°	194.0	201.9	214.4	215.8	212.2
77.5°	150.4	156.1	165.4	164.4	160.4
80°	105.8	110.4	117.2	115.8	111.5
82.5°	67.5	70.4	74.7	72.9	71.1
85°	36.8	37.1	37.5	37.1	36.1
87.5°	13.6	13.9	13.9	13.6	12.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)