

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: P490117

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2HI-27-120-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: P490117
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-27-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

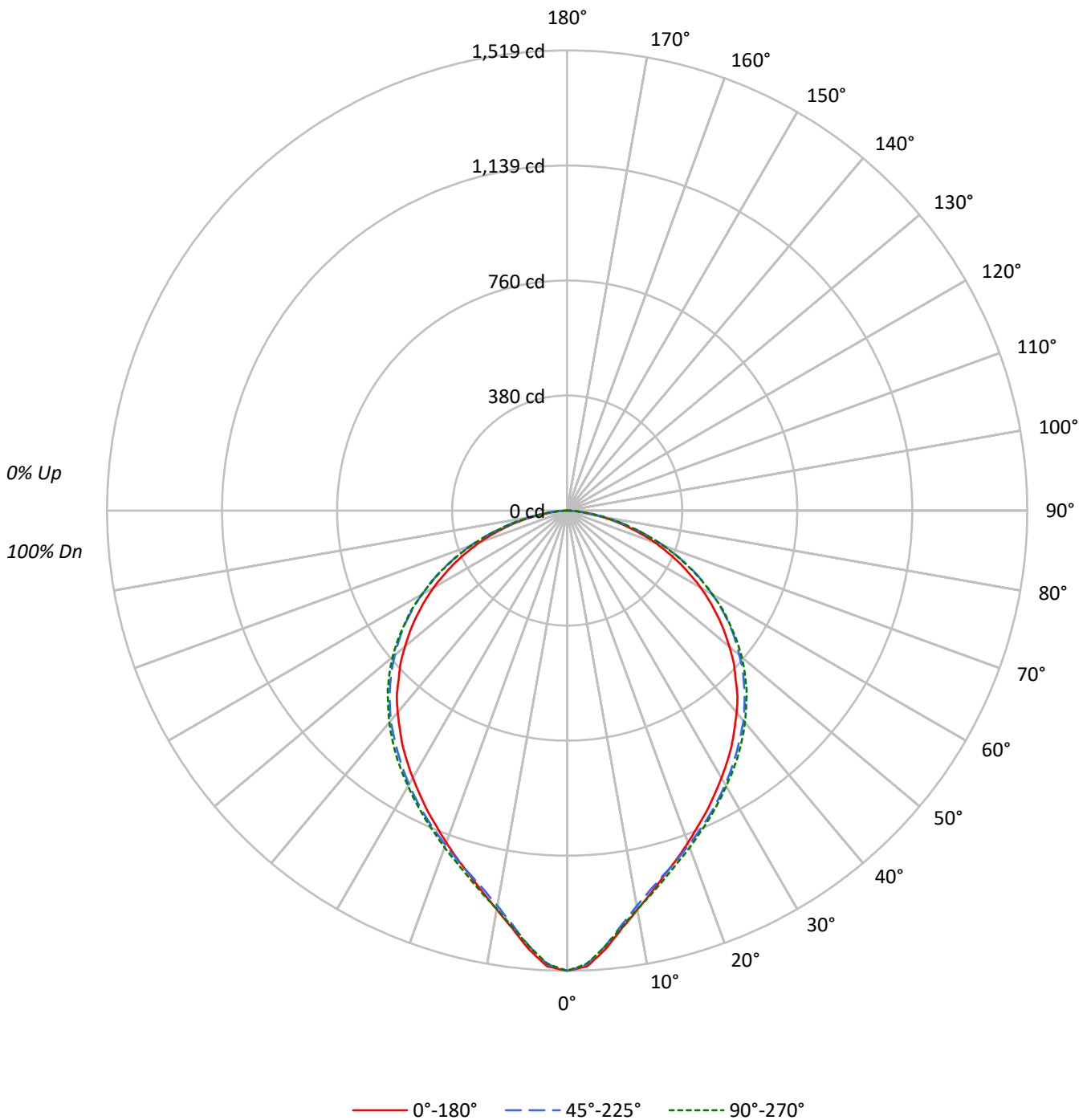
Lumens per Lamp: N/A
Luminaire Lumens: 3528.6 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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°	8176	8176	8176
5°	7850	7795	7795
10°	7306	7239	7296
15°	6933	6920	6988
20°	6679	6727	6779
25°	6488	6593	6632
30°	6331	6487	6527
35°	6223	6405	6470
40°	6112	6360	6414
45°	5986	6298	6374
50°	5854	6220	6302
55°	5692	6130	6154
60°	5487	5961	5949
65°	5201	5733	5694
70°	4856	5345	5281
75°	4286	4737	4689
80°	3484	3859	3670
85°	2414	2458	2365



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.2	3.8
10°-20°	351.6	10.0
20°-30°	511.3	14.5
30°-40°	608.4	17.2
40°-50°	631.8	17.9
50°-60°	572.4	16.2
60°-70°	431.9	12.2
70°-80°	235.3	6.7
80°-90°	51.7	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°	997.1	28.3
0°-40°	1605.6	45.5
0°-60°	2809.7	79.6
0°-90°	3528.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3528.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1519	1519	1519	1519	1519	
5°	1453	1450	1443	1442	1443	135
15°	1244	1241	1242	1250	1254	351
25°	1092	1102	1110	1119	1117	503
35°	947	958	975	990	985	592
45°	786	801	828	837	837	608
55°	607	621	653	658	656	542
65°	408	420	450	449	447	404
75°	206	214	228	229	226	220
85°	39	40	40	40	38	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1519.1	1519.1	1519.1	1519.1	1519.1
2.5°	1505.8	1504.3	1499.4	1497.5	1497.1
5°	1453.1	1449.6	1442.8	1442.1	1442.8
7.5°	1390.1	1386.2	1379.4	1382.1	1385.5
10°	1336.9	1327.4	1324.7	1328.6	1335.0
12.5°	1289.4	1281.9	1279.6	1289.4	1294.0
15°	1244.3	1241.2	1242.0	1250.4	1254.1
17.5°	1205.2	1203.3	1208.2	1214.7	1216.6
20°	1166.1	1169.9	1174.5	1181.3	1183.6
22.5°	1127.8	1135.0	1142.6	1151.7	1148.6
25°	1092.5	1101.6	1110.3	1119.4	1116.8
27.5°	1054.9	1065.5	1077.7	1087.5	1083.7
30°	1018.8	1032.1	1043.9	1056.0	1050.3
32.5°	983.1	995.7	1009.7	1024.5	1018.1
35°	947.1	958.5	974.8	989.6	984.7
37.5°	907.2	921.3	939.8	952.8	949.4
40°	870.0	882.9	905.3	913.7	912.9
42.5°	832.4	843.1	866.6	876.1	874.6
45°	786.5	800.6	827.5	836.6	837.4
47.5°	745.9	757.7	786.5	793.7	795.2
50°	699.2	714.0	742.9	751.6	752.7
52.5°	653.3	669.2	698.8	704.9	706.0
55°	606.6	621.0	653.3	657.8	655.9
57.5°	557.6	575.1	604.7	607.0	608.9
60°	509.8	525.0	553.8	556.8	552.7
62.5°	457.8	473.3	503.0	503.7	500.3
65°	408.4	420.2	450.2	449.4	447.1
67.5°	356.8	371.2	393.3	394.0	392.1
70°	308.6	318.5	339.7	340.1	335.6
72.5°	256.6	267.2	284.3	282.0	280.9
75°	206.1	214.5	227.8	229.3	225.5
77.5°	159.8	165.9	175.8	174.6	170.4
80°	112.4	117.3	124.5	123.0	118.4
82.5°	71.7	74.8	79.3	77.4	75.5
85°	39.1	39.5	39.8	39.5	38.3
87.5°	14.4	14.8	14.8	14.4	13.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)