

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: P490123

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2HI-40-120-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: P490123  
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  
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.    Condition    Description

**Summary**

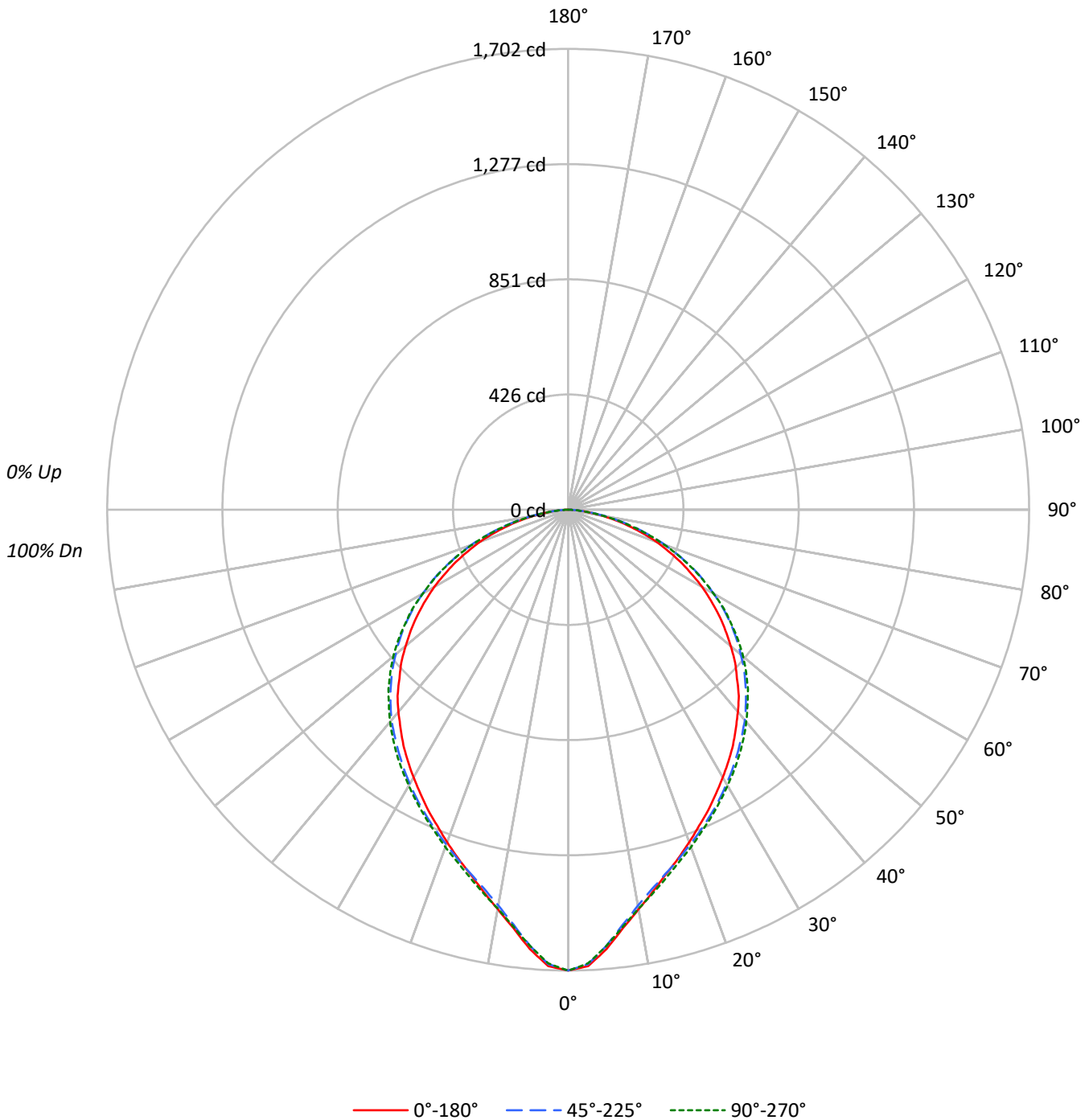
Lumens per Lamp: N/A  
Luminaire Lumens: 3953.3 lumens  
Efficiency: N/A  
Efficacy: 91.5 lumens/watt  
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24  
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')  
CIE Type: Direct

Input Watts (W): 43.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	9160	9160	9160
5°	8795	8733	8733
10°	8185	8111	8174
15°	7767	7753	7829
20°	7482	7536	7594
25°	7269	7387	7430
30°	7093	7268	7313
35°	6972	7175	7248
40°	6848	7126	7186
45°	6707	7056	7141
50°	6559	6969	7061
55°	6377	6868	6896
60°	6147	6679	6665
65°	5827	6423	6380
70°	5440	5989	5917
75°	4801	5307	5253
80°	3902	4324	4113
85°	2705	2754	2649



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	150.4	3.8
10°-20°	393.9	10.0
20°-30°	572.8	14.5
30°-40°	681.7	17.2
40°-50°	707.8	17.9
50°-60°	641.2	16.2
60°-70°	483.9	12.2
70°-80°	263.6	6.7
80°-90°	57.9	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°	1117.2	28.3
0°-40°	1798.8	45.5
0°-60°	3147.8	79.6
0°-90°	3953.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3953.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1702	1702	1702	1702	1702	
5°	1628	1624	1616	1616	1616	151
15°	1394	1391	1392	1401	1405	393
25°	1224	1234	1244	1254	1251	564
35°	1061	1074	1092	1109	1103	663
45°	881	897	927	937	938	681
55°	680	696	732	737	735	607
65°	458	471	504	504	501	452
75°	231	240	255	257	253	246
85°	44	44	45	44	43	55
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1702.0	1702.0	1702.0	1702.0	1702.0
2.5°	1687.1	1685.4	1679.8	1677.7	1677.3
5°	1628.0	1624.1	1616.5	1615.6	1616.5
7.5°	1557.4	1553.1	1545.5	1548.4	1552.3
10°	1497.8	1487.2	1484.2	1488.5	1495.7
12.5°	1444.6	1436.2	1433.6	1444.6	1449.8
15°	1394.0	1390.6	1391.5	1400.9	1405.1
17.5°	1350.3	1348.1	1353.7	1360.9	1363.0
20°	1306.4	1310.7	1315.8	1323.5	1326.0
22.5°	1263.5	1271.6	1280.1	1290.3	1286.9
25°	1224.0	1234.1	1243.9	1254.1	1251.2
27.5°	1181.8	1193.7	1207.4	1218.4	1214.2
30°	1141.4	1156.3	1169.5	1183.1	1176.7
32.5°	1101.5	1115.5	1131.2	1147.8	1140.6
35°	1061.1	1073.8	1092.1	1108.7	1103.2
37.5°	1016.4	1032.1	1053.0	1067.4	1063.6
40°	974.7	989.2	1014.3	1023.6	1022.8
42.5°	932.6	944.6	970.9	981.5	979.8
45°	881.2	896.9	927.1	937.3	938.2
47.5°	835.7	848.9	881.2	889.2	890.9
50°	783.4	800.0	832.3	842.0	843.3
52.5°	731.9	749.7	782.9	789.7	791.0
55°	679.6	695.7	731.9	737.0	734.9
57.5°	624.7	644.3	677.5	680.0	682.1
60°	571.1	588.2	620.5	623.9	619.2
62.5°	512.9	530.3	563.5	564.3	560.5
65°	457.6	470.8	504.4	503.5	501.0
67.5°	399.7	415.9	440.6	441.4	439.3
70°	345.7	356.8	380.6	381.1	376.0
72.5°	287.5	299.4	318.5	316.0	314.7
75°	230.9	240.3	255.2	256.9	252.6
77.5°	179.0	185.8	196.9	195.6	190.9
80°	125.9	131.4	139.5	137.8	132.7
82.5°	80.4	83.8	88.9	86.8	84.6
85°	43.8	44.2	44.6	44.2	42.9
87.5°	16.2	16.6	16.6	16.2	14.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)