

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: P490124

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2HI-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: P490124
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-50-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

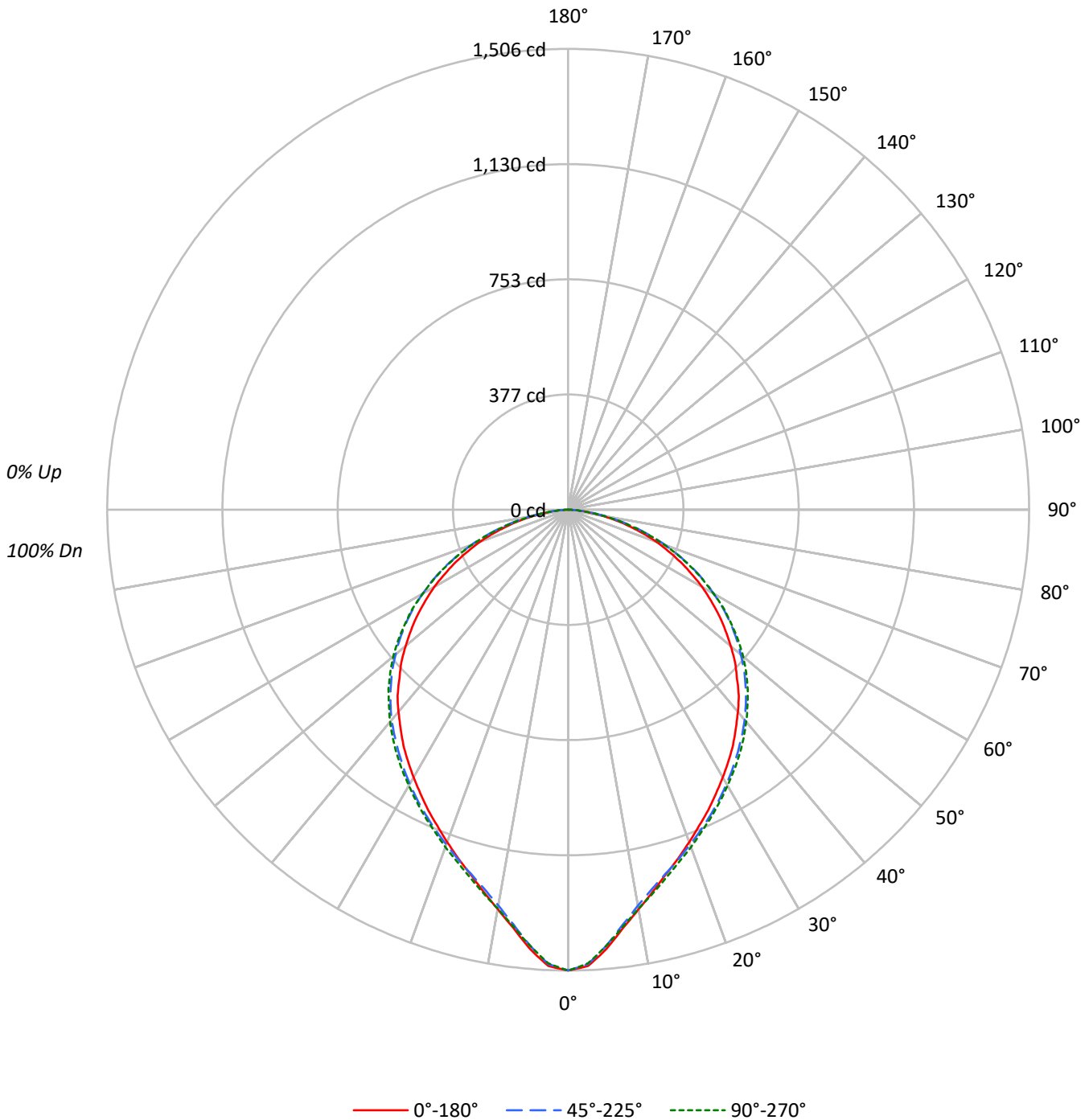
Lumens per Lamp: N/A
Luminaire Lumens: 3497.7 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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°	8104	8104	8104
5°	7781	7727	7727
10°	7242	7176	7232
15°	6872	6859	6927
20°	6620	6668	6719
25°	6431	6536	6574
30°	6276	6430	6470
35°	6168	6349	6412
40°	6059	6305	6358
45°	5934	6243	6317
50°	5803	6166	6247
55°	5642	6076	6101
60°	5439	5909	5896
65°	5155	5682	5644
70°	4814	5300	5234
75°	4248	4695	4648
80°	3453	3825	3639
85°	2396	2439	2347



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.1	3.8
10°-20°	348.5	10.0
20°-30°	506.8	14.5
30°-40°	603.1	17.2
40°-50°	626.2	17.9
50°-60°	567.3	16.2
60°-70°	428.1	12.2
70°-80°	233.3	6.7
80°-90°	51.3	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°	988.4	28.3
0°-40°	1591.5	45.5
0°-60°	2785.1	79.6
0°-90°	3497.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3497.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1506	1506	1506	1506	1506	
5°	1440	1437	1430	1429	1430	134
15°	1233	1230	1231	1239	1243	348
25°	1083	1092	1101	1110	1107	499
35°	939	950	966	981	976	587
45°	780	794	820	829	830	603
55°	601	616	648	652	650	537
65°	405	416	446	446	443	400
75°	204	213	226	227	224	218
85°	39	39	40	39	38	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1505.8	1505.8	1505.8	1505.8	1505.8
2.5°	1492.6	1491.1	1486.2	1484.4	1484.0
5°	1440.3	1437.0	1430.2	1429.4	1430.2
7.5°	1377.9	1374.1	1367.4	1370.0	1373.4
10°	1325.2	1315.8	1313.1	1316.9	1323.3
12.5°	1278.2	1270.6	1268.4	1278.2	1282.7
15°	1233.4	1230.4	1231.1	1239.4	1243.2
17.5°	1194.6	1192.8	1197.7	1204.1	1205.9
20°	1155.9	1159.7	1164.2	1170.9	1173.2
22.5°	1117.9	1125.0	1132.6	1141.6	1138.6
25°	1082.9	1091.9	1100.6	1109.6	1107.0
27.5°	1045.6	1056.2	1068.2	1078.0	1074.2
30°	1009.9	1023.1	1034.7	1046.8	1041.1
32.5°	974.5	986.9	1000.9	1015.5	1009.1
35°	938.8	950.1	966.3	980.9	976.0
37.5°	899.3	913.2	931.6	944.4	941.1
40°	862.4	875.2	897.4	905.7	904.9
42.5°	825.1	835.7	859.0	868.4	866.9
45°	779.6	793.5	820.2	829.3	830.0
47.5°	739.4	751.0	779.6	786.8	788.3
50°	693.1	707.8	736.4	745.0	746.1
52.5°	647.5	663.3	692.7	698.7	699.9
55°	601.3	615.6	647.5	652.1	650.2
57.5°	552.7	570.0	599.4	601.6	603.5
60°	505.3	520.4	549.0	552.0	547.8
62.5°	453.8	469.2	498.6	499.3	495.9
65°	404.8	416.5	446.2	445.5	443.2
67.5°	353.7	368.0	389.8	390.6	388.7
70°	305.9	315.7	336.8	337.1	332.6
72.5°	254.4	264.9	281.8	279.6	278.4
75°	204.3	212.6	225.8	227.3	223.5
77.5°	158.4	164.4	174.2	173.1	168.9
80°	111.4	116.3	123.4	121.9	117.4
82.5°	71.1	74.1	78.6	76.8	74.9
85°	38.8	39.1	39.5	39.1	38.0
87.5°	14.3	14.7	14.7	14.3	13.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)