

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: P490149

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2STD-50-120-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: P490149
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-50-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

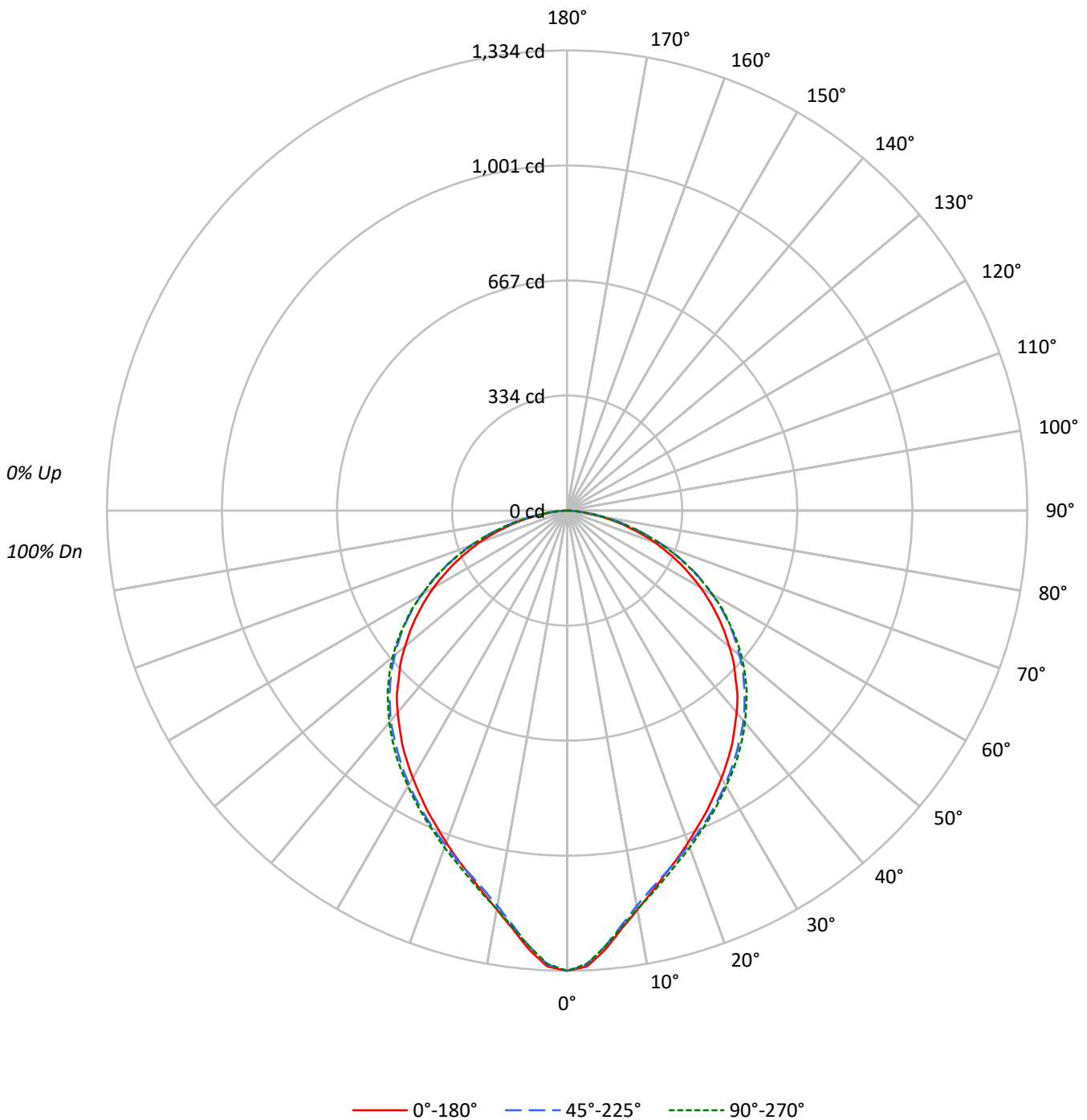
Lumens per Lamp: N/A
Luminaire Lumens: 3099.0 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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

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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°	7181	7181	7181
5°	6895	6846	6846
10°	6416	6359	6408
15°	6089	6078	6137
20°	5865	5908	5954
25°	5698	5790	5824
30°	5561	5697	5732
35°	5465	5625	5682
40°	5368	5586	5633
45°	5258	5531	5597
50°	5142	5462	5535
55°	4998	5383	5406
60°	4819	5236	5225
65°	4568	5035	5001
70°	4264	4696	4637
75°	3764	4159	4117
80°	3059	3391	3223
85°	2118	2161	2081



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.9	3.8
10°-20°	308.8	10.0
20°-30°	449.1	14.5
30°-40°	534.4	17.2
40°-50°	554.8	17.9
50°-60°	502.7	16.2
60°-70°	379.3	12.2
70°-80°	206.7	6.7
80°-90°	45.4	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°	875.7	28.3
0°-40°	1410.1	45.5
0°-60°	2467.6	79.6
0°-90°	3099.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3099.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1334	1334	1334	1334	1334	
5°	1276	1273	1267	1266	1267	118
15°	1093	1090	1091	1098	1102	308
25°	960	968	975	983	981	442
35°	832	842	856	869	865	520
45°	691	703	727	735	735	534
55°	533	545	574	578	576	476
65°	359	369	395	395	393	355
75°	181	188	200	201	198	193
85°	34	35	35	35	34	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1334.2	1334.2	1334.2	1334.2	1334.2
2.5°	1322.5	1321.2	1316.8	1315.2	1314.8
5°	1276.2	1273.2	1267.2	1266.5	1267.2
7.5°	1220.8	1217.5	1211.5	1213.8	1216.8
10°	1174.1	1165.8	1163.5	1166.8	1172.5
12.5°	1132.5	1125.8	1123.8	1132.5	1136.5
15°	1092.8	1090.1	1090.8	1098.1	1101.5
17.5°	1058.5	1056.8	1061.1	1066.8	1068.5
20°	1024.1	1027.5	1031.5	1037.5	1039.5
22.5°	990.5	996.8	1003.5	1011.5	1008.8
25°	959.5	967.5	975.1	983.1	980.8
27.5°	926.4	935.8	946.5	955.1	951.8
30°	894.8	906.4	916.8	927.4	922.4
32.5°	863.5	874.4	886.8	899.8	894.1
35°	831.8	841.8	856.1	869.1	864.8
37.5°	796.8	809.1	825.4	836.8	833.8
40°	764.1	775.4	795.1	802.4	801.8
42.5°	731.1	740.4	761.1	769.4	768.1
45°	690.8	703.1	726.7	734.8	735.4
47.5°	655.1	665.4	690.8	697.1	698.4
50°	614.1	627.1	652.4	660.1	661.1
52.5°	573.7	587.7	613.7	619.1	620.1
55°	532.7	545.4	573.7	577.7	576.1
57.5°	489.7	505.1	531.1	533.1	534.7
60°	447.7	461.1	486.4	489.1	485.4
62.5°	402.1	415.7	441.7	442.4	439.4
65°	358.7	369.0	395.4	394.7	392.7
67.5°	313.4	326.0	345.4	346.0	344.4
70°	271.0	279.7	298.4	298.7	294.7
72.5°	225.4	234.7	249.7	247.7	246.7
75°	181.0	188.4	200.0	201.4	198.0
77.5°	140.4	145.7	154.4	153.4	149.7
80°	98.7	103.0	109.4	108.0	104.0
82.5°	63.0	65.7	69.7	68.0	66.3
85°	34.3	34.7	35.0	34.7	33.7
87.5°	12.7	13.0	13.0	12.7	11.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)