

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: P490141

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2STD-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: P490141
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-27-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

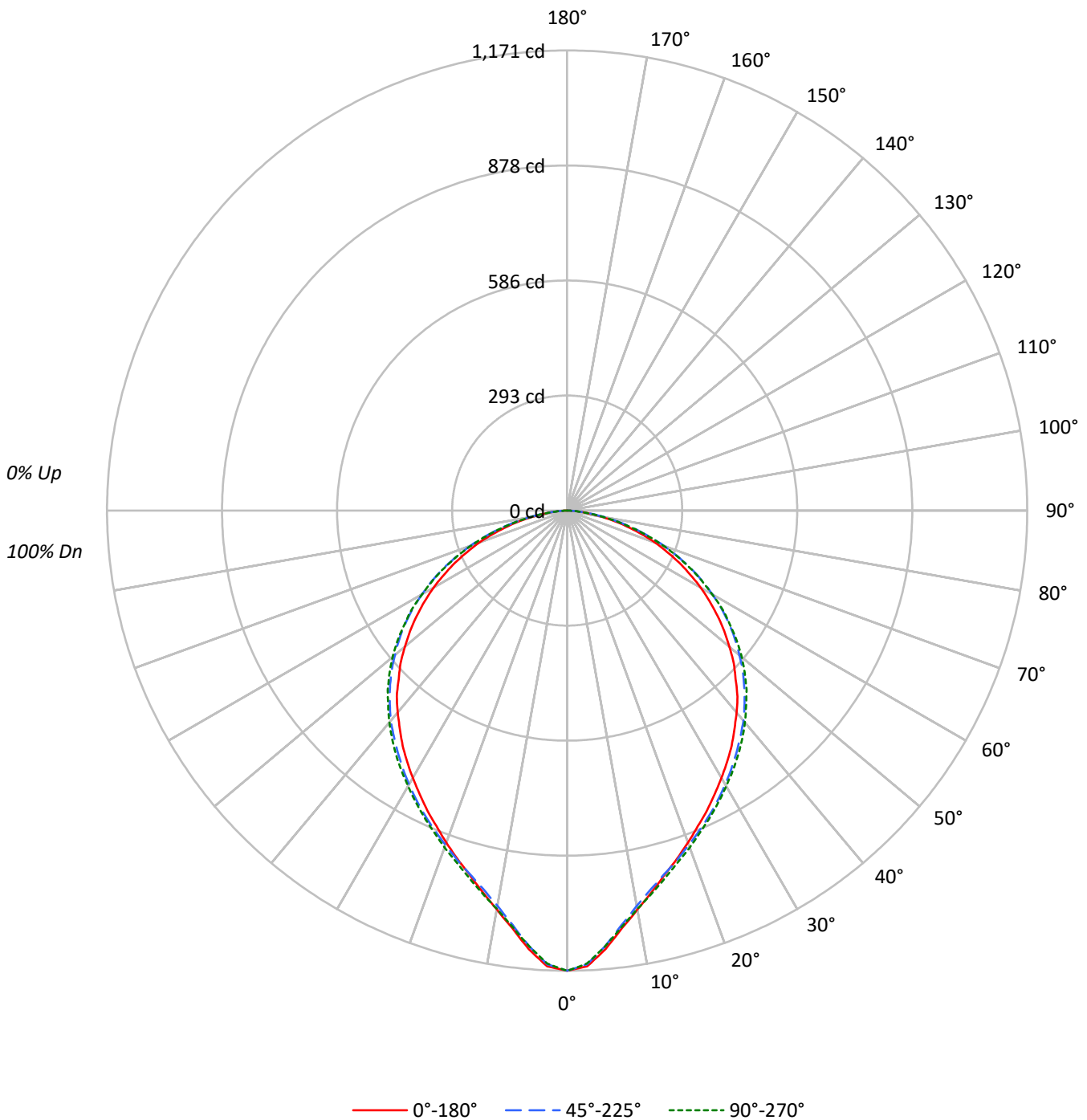
Lumens per Lamp: N/A
Luminaire Lumens: 2720.0 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	6302	6302	6302
5°	6051	6009	6009
10°	5632	5581	5624
15°	5344	5334	5387
20°	5148	5185	5225
25°	5001	5083	5112
30°	4880	5001	5031
35°	4796	4937	4987
40°	4712	4903	4944
45°	4615	4855	4913
50°	4513	4794	4858
55°	4388	4725	4744
60°	4230	4595	4585
65°	4009	4419	4390
70°	3744	4121	4071
75°	3304	3651	3614
80°	2684	2975	2830
85°	1859	1896	1822



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.5	3.8
10°-20°	271.0	10.0
20°-30°	394.1	14.5
30°-40°	469.0	17.2
40°-50°	487.0	17.9
50°-60°	441.2	16.2
60°-70°	332.9	12.2
70°-80°	181.4	6.7
80°-90°	39.9	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°	768.6	28.3
0°-40°	1237.6	45.5
0°-60°	2165.8	79.6
0°-90°	2720.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2720.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1171	1171	1171	1171	1171	
5°	1120	1118	1112	1112	1112	104
15°	959	957	957	964	967	271
25°	842	849	856	863	861	388
35°	730	739	751	763	759	456
45°	606	617	638	645	646	469
55°	468	479	504	507	506	417
65°	315	324	347	346	345	311
75°	159	165	176	177	174	169
85°	30	30	31	30	30	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1171.0	1171.0	1171.0	1171.0	1171.0
2.5°	1160.8	1159.6	1155.8	1154.3	1154.0
5°	1120.1	1117.5	1112.2	1111.6	1112.2
7.5°	1071.5	1068.6	1063.3	1065.4	1068.0
10°	1030.6	1023.2	1021.2	1024.1	1029.1
12.5°	994.0	988.1	986.4	994.0	997.5
15°	959.1	956.8	957.4	963.8	966.8
17.5°	929.0	927.6	931.4	936.3	937.8
20°	898.9	901.8	905.3	910.6	912.3
22.5°	869.3	874.9	880.7	887.8	885.4
25°	842.1	849.1	855.9	862.9	860.8
27.5°	813.1	821.3	830.7	838.3	835.4
30°	785.3	795.6	804.7	814.0	809.6
32.5°	757.9	767.5	778.3	789.7	784.8
35°	730.0	738.8	751.4	762.8	759.0
37.5°	699.3	710.1	724.5	734.4	731.8
40°	670.7	680.6	697.9	704.3	703.7
42.5°	641.7	649.9	668.0	675.3	674.2
45°	606.3	617.1	637.9	644.9	645.5
47.5°	575.0	584.0	606.3	611.8	613.0
50°	539.0	550.4	572.6	579.3	580.2
52.5°	503.6	515.8	538.7	543.4	544.3
55°	467.6	478.7	503.6	507.1	505.6
57.5°	429.8	443.3	466.1	467.9	469.3
60°	393.0	404.7	426.9	429.2	426.0
62.5°	352.9	364.9	387.7	388.3	385.6
65°	314.8	323.9	347.0	346.4	344.7
67.5°	275.0	286.2	303.1	303.7	302.3
70°	237.9	245.5	261.9	262.2	258.7
72.5°	197.8	206.0	219.1	217.4	216.5
75°	158.9	165.3	175.6	176.7	173.8
77.5°	123.2	127.9	135.5	134.6	131.4
80°	86.6	90.4	96.0	94.8	91.3
82.5°	55.3	57.7	61.2	59.7	58.2
85°	30.1	30.4	30.7	30.4	29.5
87.5°	11.1	11.4	11.4	11.1	10.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)