

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: P490137

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2LO-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: P490137
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-LD4-2LO-50-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

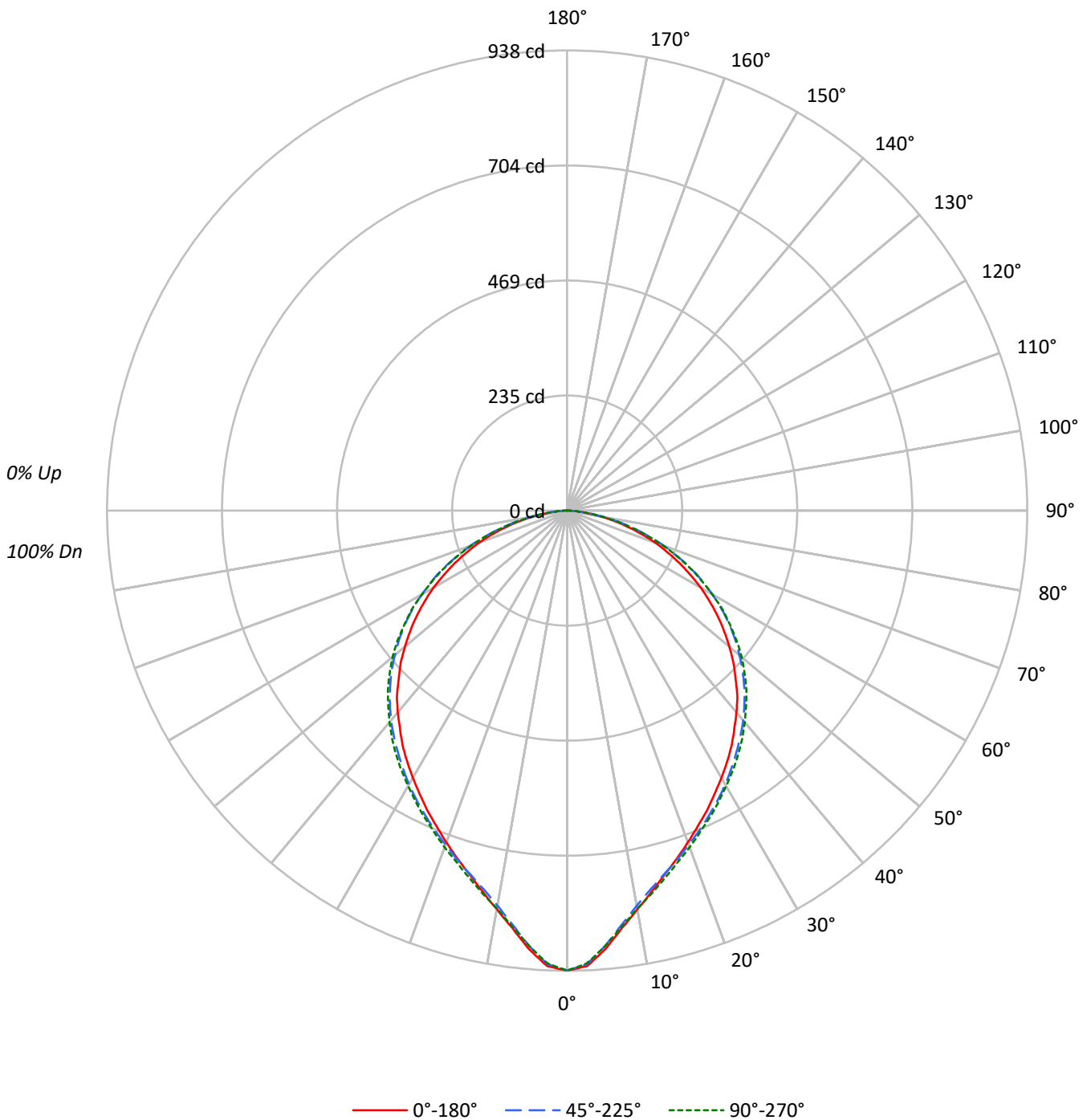
Lumens per Lamp: N/A
Luminaire Lumens: 2177.7 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 23.4
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°	5046	5046	5046
5°	4845	4810	4810
10°	4509	4468	4503
15°	4279	4271	4313
20°	4122	4151	4183
25°	4004	4069	4093
30°	3908	4003	4028
35°	3840	3953	3993
40°	3772	3925	3958
45°	3694	3887	3933
50°	3613	3839	3890
55°	3512	3783	3798
60°	3386	3679	3672
65°	3210	3538	3515
70°	2998	3300	3259
75°	2645	2924	2895
80°	2148	2380	2266
85°	1488	1519	1463



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.8	3.8
10°-20°	217.0	10.0
20°-30°	315.5	14.5
30°-40°	375.5	17.2
40°-50°	389.9	17.9
50°-60°	353.2	16.2
60°-70°	266.5	12.2
70°-80°	145.2	6.7
80°-90°	31.9	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°	615.4	28.3
0°-40°	990.9	45.5
0°-60°	1734.0	79.6
0°-90°	2177.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2177.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	938	938	938	938	938	
5°	897	895	890	890	890	83
15°	768	766	766	772	774	217
25°	674	680	685	691	689	311
35°	584	592	602	611	608	365
45°	485	494	511	516	517	375
55°	374	383	403	406	405	334
65°	252	259	278	277	276	249
75°	127	132	141	142	139	136
85°	24	24	25	24	24	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	937.5	937.5	937.5	937.5	937.5
2.5°	929.3	928.4	925.3	924.2	923.9
5°	896.8	894.7	890.4	890.0	890.4
7.5°	857.9	855.5	851.3	853.0	855.1
10°	825.1	819.2	817.6	819.9	823.9
12.5°	795.8	791.1	789.7	795.8	798.6
15°	767.9	766.0	766.5	771.7	774.0
17.5°	743.8	742.6	745.7	749.7	750.8
20°	719.7	722.0	724.8	729.0	730.4
22.5°	696.0	700.4	705.1	710.8	708.9
25°	674.2	679.8	685.2	690.8	689.2
27.5°	651.0	657.6	665.1	671.2	668.8
30°	628.8	637.0	644.2	651.7	648.2
32.5°	606.8	614.5	623.1	632.3	628.3
35°	584.5	591.5	601.6	610.7	607.7
37.5°	559.9	568.6	580.0	588.0	585.9
40°	536.9	544.9	558.7	563.9	563.4
42.5°	513.7	520.3	534.8	540.7	539.7
45°	485.4	494.1	510.7	516.3	516.8
47.5°	460.3	467.6	485.4	489.8	490.8
50°	431.5	440.7	458.5	463.8	464.6
52.5°	403.2	413.0	431.3	435.0	435.7
55°	374.3	383.2	403.2	406.0	404.8
57.5°	344.1	354.9	373.2	374.6	375.8
60°	314.6	324.0	341.8	343.7	341.1
62.5°	282.5	292.1	310.4	310.9	308.8
65°	252.1	259.3	277.8	277.4	276.0
67.5°	220.2	229.1	242.7	243.2	242.0
70°	190.5	196.5	209.7	209.9	207.1
72.5°	158.4	164.9	175.5	174.1	173.4
75°	127.2	132.4	140.6	141.5	139.2
77.5°	98.6	102.4	108.5	107.8	105.2
80°	69.3	72.4	76.8	75.9	73.1
82.5°	44.3	46.2	49.0	47.8	46.6
85°	24.1	24.4	24.6	24.4	23.7
87.5°	8.9	9.1	9.1	8.9	8.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)