

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: P490088

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1HI-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: P490088
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-LD4-1HI-50-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

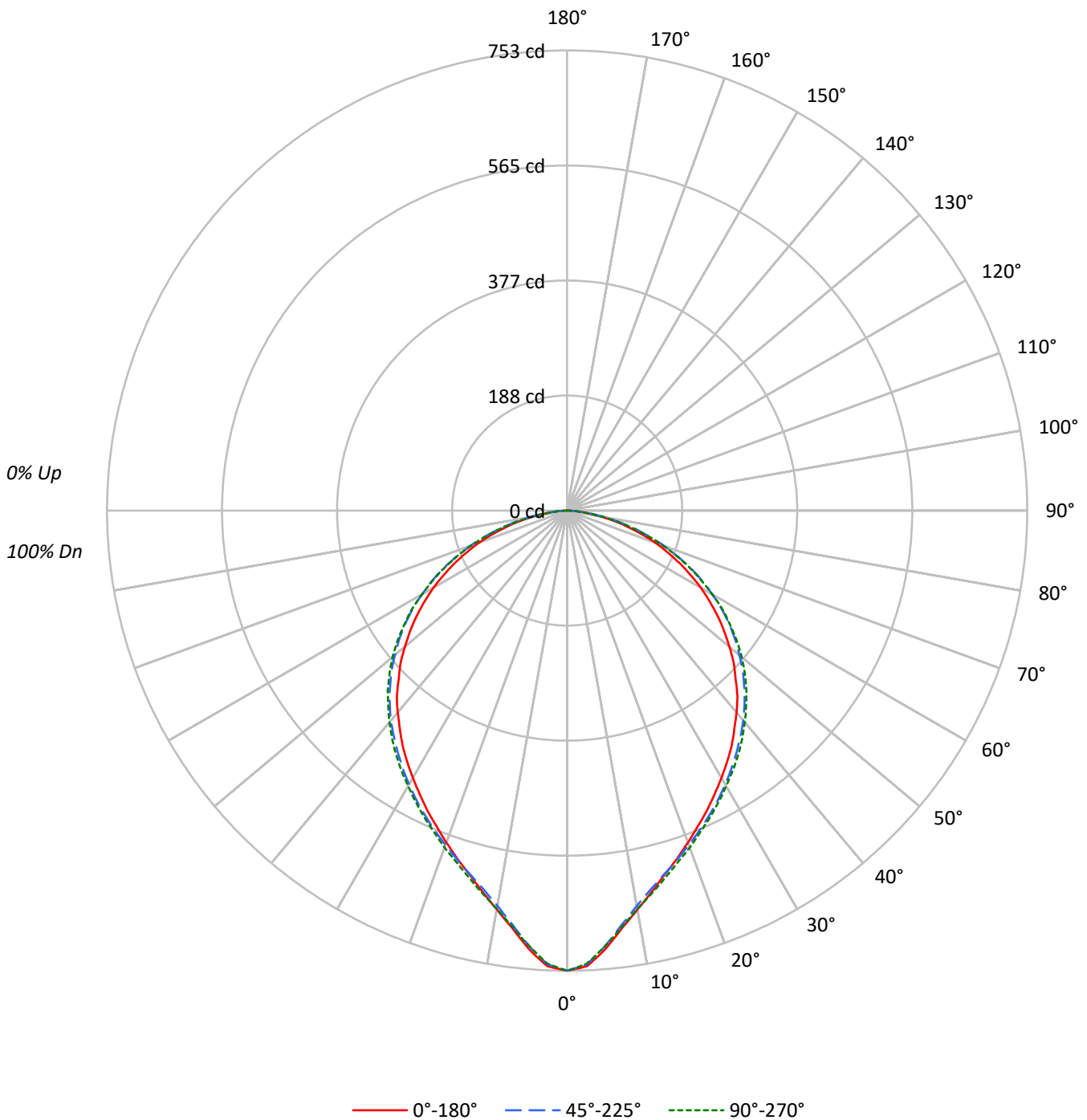
Lumens per Lamp: N/A
Luminaire Lumens: 1748.8 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 21.6
Input Voltage (V): NR
Input Current (A_{in}): 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	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					100			
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84					84			
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70					70			
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59					59			
4	83	71	62	55	81	70	61	55	67	60	54	65	59	54	63	57	53	51					51			
5	76	63	54	48	74	62	54	48	60	53	47	58	52	46	56	51	46	44					44			
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38					38			
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34					34			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30					30			
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27					27			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4052	4052	4052
5°	3891	3863	3863
10°	3621	3588	3616
15°	3436	3430	3463
20°	3310	3334	3360
25°	3215	3268	3287
30°	3138	3215	3235
35°	3084	3174	3206
40°	3029	3152	3178
45°	2967	3121	3159
50°	2901	3083	3124
55°	2821	3038	3050
60°	2719	2955	2948
65°	2578	2841	2822
70°	2406	2650	2617
75°	2125	2348	2323
80°	1726	1912	1819
85°	1198	1216	1173



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.5	3.8
10°-20°	174.3	10.0
20°-30°	253.4	14.5
30°-40°	301.5	17.2
40°-50°	313.1	17.9
50°-60°	283.7	16.2
60°-70°	214.0	12.2
70°-80°	116.6	6.7
80°-90°	25.6	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°	494.2	28.3
0°-40°	795.7	45.5
0°-60°	1392.5	79.6
0°-90°	1748.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1748.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	753	753	753	753	753	
5°	720	718	715	715	715	67
15°	617	615	616	620	622	174
25°	541	546	550	555	554	249
35°	469	475	483	490	488	293
45°	390	397	410	415	415	301
55°	301	308	324	326	325	268
65°	202	208	223	223	222	200
75°	102	106	113	114	112	109
85°	19	20	20	20	19	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	752.9	752.9	752.9	752.9	752.9
2.5°	746.3	745.5	743.1	742.2	742.0
5°	720.2	718.5	715.1	714.7	715.1
7.5°	688.9	687.0	683.7	685.0	686.7
10°	662.6	657.9	656.6	658.4	661.6
12.5°	639.1	635.3	634.2	639.1	641.3
15°	616.7	615.2	615.6	619.7	621.6
17.5°	597.3	596.4	598.8	602.0	603.0
20°	577.9	579.8	582.1	585.5	586.6
22.5°	558.9	562.5	566.3	570.8	569.3
25°	541.4	545.9	550.3	554.8	553.5
27.5°	522.8	528.1	534.1	539.0	537.1
30°	504.9	511.5	517.4	523.4	520.5
32.5°	487.3	493.5	500.4	507.8	504.6
35°	469.4	475.0	483.1	490.5	488.0
37.5°	449.6	456.6	465.8	472.2	470.5
40°	431.2	437.6	448.7	452.8	452.4
42.5°	412.6	417.8	429.5	434.2	433.4
45°	389.8	396.8	410.1	414.6	415.0
47.5°	369.7	375.5	389.8	393.4	394.1
50°	346.5	353.9	368.2	372.5	373.1
52.5°	323.8	331.7	346.3	349.3	349.9
55°	300.6	307.8	323.8	326.0	325.1
57.5°	276.4	285.0	299.7	300.8	301.8
60°	252.6	260.2	274.5	276.0	273.9
62.5°	226.9	234.6	249.3	249.6	247.9
65°	202.4	208.3	223.1	222.7	221.6
67.5°	176.8	184.0	194.9	195.3	194.3
70°	152.9	157.8	168.4	168.6	166.3
72.5°	127.2	132.4	140.9	139.8	139.2
75°	102.2	106.3	112.9	113.6	111.7
77.5°	79.2	82.2	87.1	86.5	84.5
80°	55.7	58.1	61.7	61.0	58.7
82.5°	35.5	37.1	39.3	38.4	37.4
85°	19.4	19.6	19.7	19.6	19.0
87.5°	7.1	7.3	7.3	7.1	6.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)