

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: P490097

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1LO-35-120-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: P490097
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-LD4-1LO-35-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

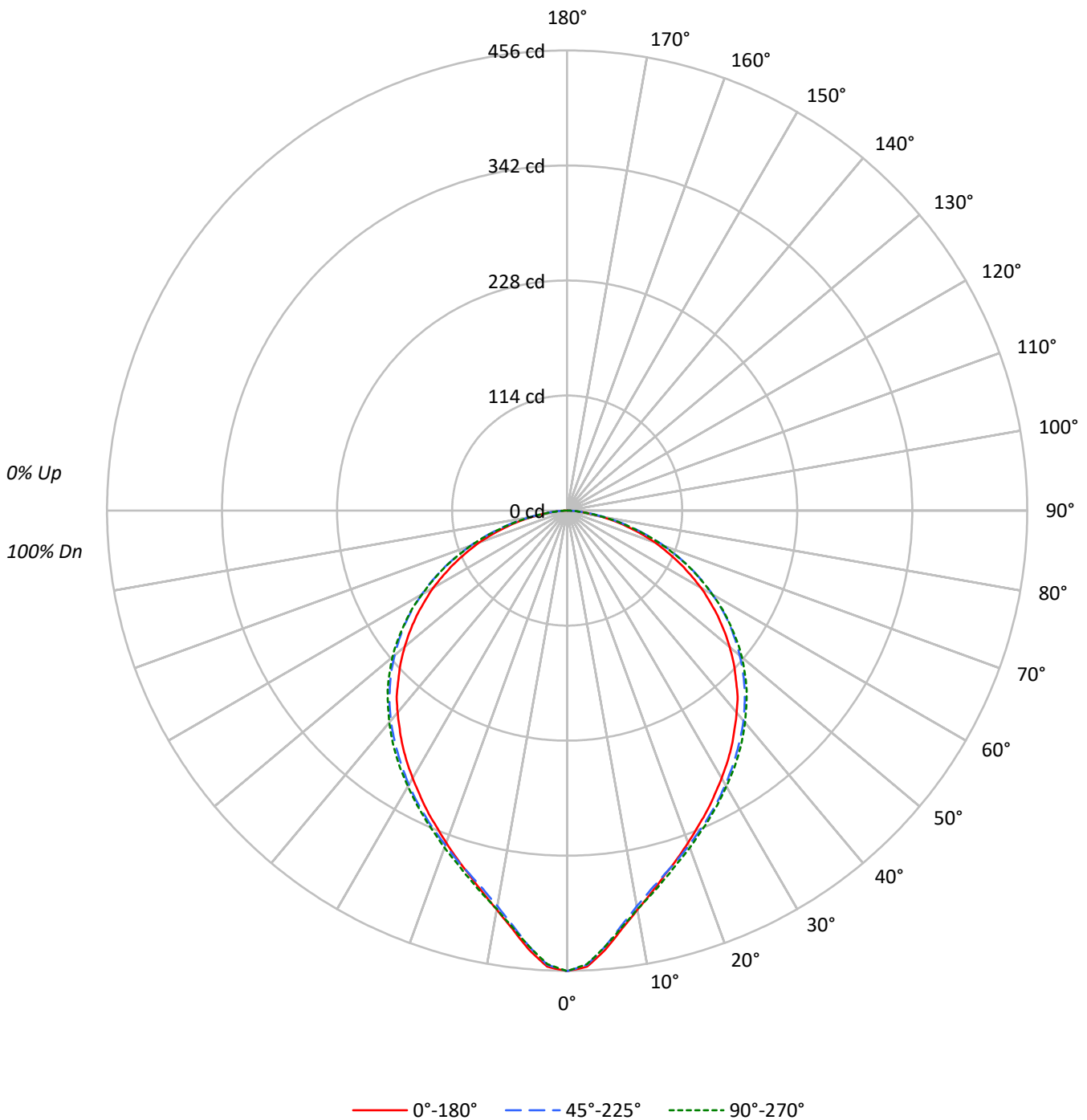
Lumens per Lamp: N/A
Luminaire Lumens: 1060.1 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
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°	2456	2456	2456
5°	2358	2342	2342
10°	2195	2175	2192
15°	2083	2079	2099
20°	2006	2021	2037
25°	1949	1981	1992
30°	1902	1949	1961
35°	1869	1924	1943
40°	1837	1911	1927
45°	1799	1892	1915
50°	1759	1869	1893
55°	1710	1842	1849
60°	1649	1791	1787
65°	1563	1722	1710
70°	1459	1607	1586
75°	1287	1422	1408
80°	1048	1159	1103
85°	722	741	710



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.3	3.8
10°-20°	105.6	10.0
20°-30°	153.6	14.5
30°-40°	182.8	17.2
40°-50°	189.8	17.9
50°-60°	171.9	16.2
60°-70°	129.7	12.2
70°-80°	70.7	6.7
80°-90°	15.5	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°	299.6	28.3
0°-40°	482.4	45.5
0°-60°	844.1	79.6
0°-90°	1060.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1060.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	456	456	456	456	456	
5°	436	436	434	433	434	41
15°	374	373	373	376	377	106
25°	328	331	334	336	336	151
35°	284	288	293	297	296	178
45°	236	240	249	251	252	183
55°	182	187	196	198	197	163
65°	123	126	135	135	134	121
75°	62	64	68	69	68	66
85°	12	12	12	12	12	15
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	456.4	456.4	456.4	456.4	456.4
2.5°	452.4	451.9	450.5	449.9	449.8
5°	436.5	435.5	433.5	433.2	433.5
7.5°	417.6	416.5	414.4	415.2	416.2
10°	401.6	398.8	398.0	399.1	401.1
12.5°	387.4	385.1	384.4	387.4	388.8
15°	373.8	372.9	373.1	375.7	376.8
17.5°	362.1	361.5	363.0	364.9	365.5
20°	350.3	351.5	352.8	354.9	355.6
22.5°	338.8	341.0	343.3	346.0	345.1
25°	328.2	330.9	333.6	336.3	335.5
27.5°	316.9	320.1	323.8	326.7	325.6
30°	306.1	310.1	313.6	317.3	315.5
32.5°	295.4	299.1	303.3	307.8	305.9
35°	284.5	288.0	292.9	297.3	295.8
37.5°	272.6	276.8	282.4	286.2	285.2
40°	261.4	265.3	272.0	274.5	274.3
42.5°	250.1	253.3	260.4	263.2	262.7
45°	236.3	240.5	248.6	251.3	251.6
47.5°	224.1	227.6	236.3	238.5	238.9
50°	210.1	214.5	223.2	225.8	226.1
52.5°	196.3	201.0	209.9	211.8	212.1
55°	182.2	186.6	196.3	197.6	197.1
57.5°	167.5	172.8	181.7	182.3	182.9
60°	153.2	157.7	166.4	167.3	166.0
62.5°	137.5	142.2	151.1	151.3	150.3
65°	122.7	126.2	135.2	135.0	134.3
67.5°	107.2	111.5	118.1	118.4	117.8
70°	92.7	95.7	102.1	102.2	100.8
72.5°	77.1	80.3	85.4	84.7	84.4
75°	61.9	64.4	68.4	68.9	67.7
77.5°	48.0	49.8	52.8	52.5	51.2
80°	33.8	35.2	37.4	37.0	35.6
82.5°	21.5	22.5	23.8	23.3	22.7
85°	11.7	11.9	12.0	11.9	11.5
87.5°	4.3	4.4	4.4	4.3	4.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)