

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: P490103

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1STD-20-120-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: P490103
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-LD4-1STD-20-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

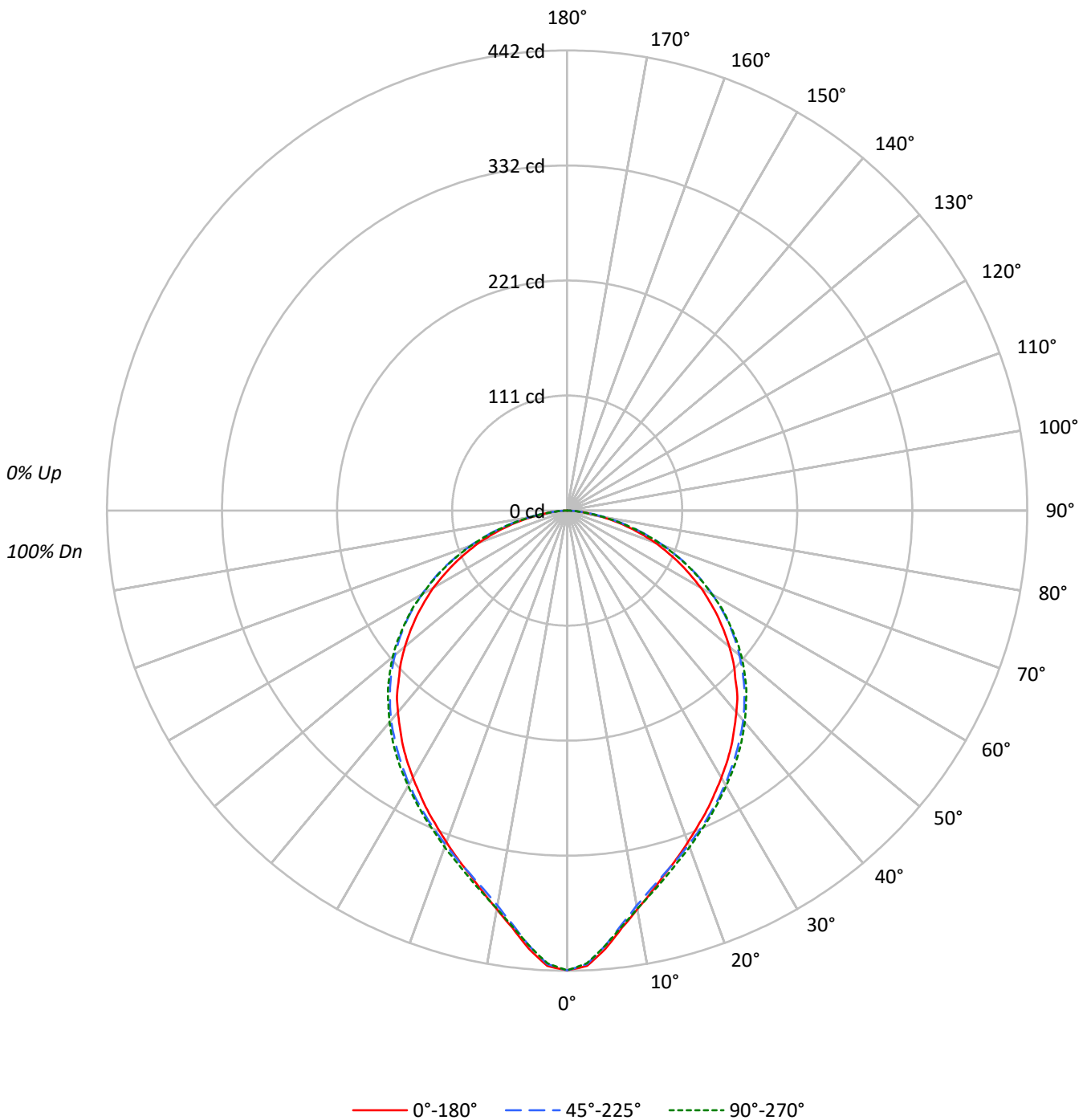
Lumens per Lamp: N/A
Luminaire Lumens: 1025.8 lumens
Efficiency: N/A
Efficacy: 61.8 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.6
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°	2377	2377	2377
5°	2282	2266	2266
10°	2124	2105	2121
15°	2015	2012	2031
20°	1942	1955	1971
25°	1886	1917	1928
30°	1841	1886	1897
35°	1809	1862	1881
40°	1777	1849	1865
45°	1740	1831	1853
50°	1702	1809	1832
55°	1654	1782	1789
60°	1595	1733	1730
65°	1512	1667	1656
70°	1412	1555	1536
75°	1246	1377	1362
80°	1013	1122	1066
85°	704	716	685



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.0	3.8
10°-20°	102.2	10.0
20°-30°	148.6	14.5
30°-40°	176.9	17.2
40°-50°	183.7	17.9
50°-60°	166.4	16.2
60°-70°	125.6	12.2
70°-80°	68.4	6.7
80°-90°	15.0	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°	289.9	28.3
0°-40°	466.8	45.5
0°-60°	816.8	79.6
0°-90°	1025.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1025.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	442	442	442	442	442	
5°	422	421	419	419	419	39
15°	362	361	361	364	365	102
25°	318	320	323	325	325	146
35°	275	279	283	288	286	172
45°	229	233	241	243	243	177
55°	176	180	190	191	191	157
65°	119	122	131	131	130	117
75°	60	62	66	67	66	64
85°	11	12	12	12	11	14
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	441.6	441.6	441.6	441.6	441.6
2.5°	437.8	437.3	435.9	435.3	435.2
5°	422.4	421.4	419.4	419.2	419.4
7.5°	404.1	403.0	401.0	401.8	402.8
10°	388.7	385.9	385.1	386.2	388.1
12.5°	374.9	372.7	372.0	374.9	376.2
15°	361.7	360.8	361.1	363.5	364.6
17.5°	350.4	349.8	351.2	353.1	353.7
20°	339.0	340.1	341.4	343.4	344.1
22.5°	327.9	329.9	332.2	334.8	333.9
25°	317.6	320.2	322.8	325.4	324.7
27.5°	306.7	309.7	313.3	316.2	315.0
30°	296.2	300.0	303.5	307.0	305.3
32.5°	285.8	289.5	293.5	297.8	296.0
35°	275.3	278.6	283.4	287.7	286.3
37.5°	263.7	267.8	273.2	277.0	276.0
40°	252.9	256.7	263.2	265.6	265.4
42.5°	242.0	245.1	251.9	254.7	254.2
45°	228.6	232.7	240.6	243.2	243.4
47.5°	216.8	220.3	228.6	230.7	231.2
50°	203.3	207.6	216.0	218.5	218.8
52.5°	189.9	194.5	203.2	204.9	205.3
55°	176.3	180.5	189.9	191.2	190.7
57.5°	162.1	167.2	175.8	176.4	177.0
60°	148.2	152.6	161.0	161.9	160.7
62.5°	133.1	137.6	146.2	146.4	145.4
65°	118.7	122.2	130.9	130.7	130.0
67.5°	103.7	107.9	114.3	114.5	114.0
70°	89.7	92.6	98.8	98.9	97.6
72.5°	74.6	77.7	82.6	82.0	81.7
75°	59.9	62.3	66.2	66.7	65.5
77.5°	46.5	48.2	51.1	50.8	49.5
80°	32.7	34.1	36.2	35.8	34.4
82.5°	20.9	21.7	23.1	22.5	22.0
85°	11.4	11.5	11.6	11.5	11.1
87.5°	4.2	4.3	4.3	4.2	3.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)