

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: P490126

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2LO-20-120-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: P490126
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-20-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

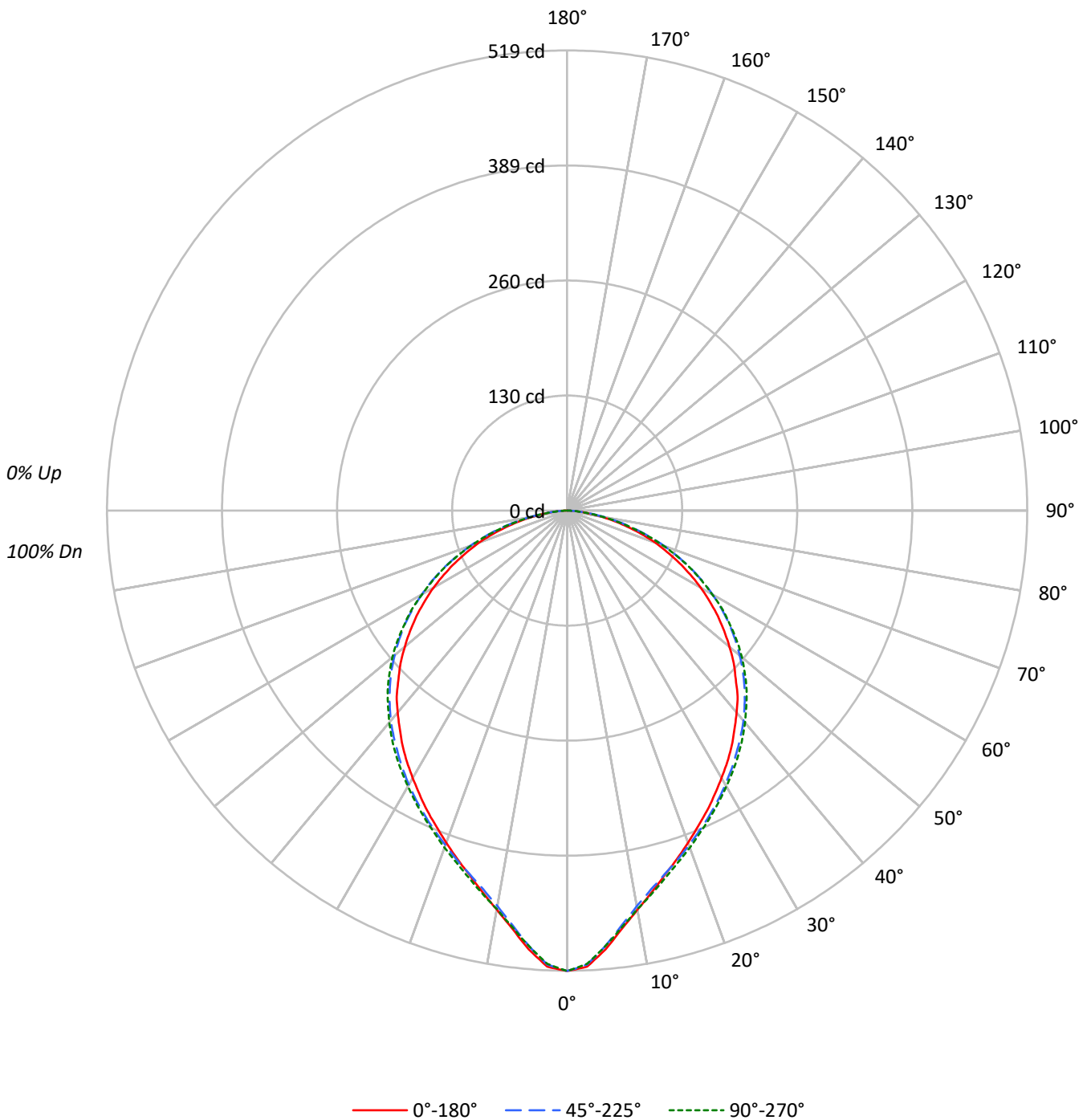
Lumens per Lamp: N/A
Luminaire Lumens: 1206.3 lumens
Efficiency: N/A
Efficacy: 51.6 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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	50	30	10
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°	2795	2795	2795
5°	2684	2665	2665
10°	2497	2475	2494
15°	2370	2366	2389
20°	2283	2300	2317
25°	2218	2254	2267
30°	2165	2218	2232
35°	2127	2189	2212
40°	2089	2174	2193
45°	2047	2153	2179
50°	2001	2127	2154
55°	1946	2095	2104
60°	1876	2038	2033
65°	1778	1960	1947
70°	1660	1827	1805
75°	1466	1620	1603
80°	1190	1320	1255
85°	827	840	809



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.9	3.8
10°-20°	120.2	10.0
20°-30°	174.8	14.5
30°-40°	208.0	17.2
40°-50°	216.0	17.9
50°-60°	195.7	16.2
60°-70°	147.6	12.2
70°-80°	80.5	6.7
80°-90°	17.7	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°	340.9	28.3
0°-40°	548.9	45.5
0°-60°	960.5	79.6
0°-90°	1206.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1206.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	519	519	519	519	519	
5°	497	496	493	493	493	46
15°	425	424	425	428	429	120
25°	374	377	380	383	382	172
35°	324	328	333	338	337	202
45°	269	274	283	286	286	208
55°	207	212	223	225	224	185
65°	140	144	154	154	153	138
75°	70	73	78	78	77	75
85°	13	14	14	14	13	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	<i>519.3</i>	<i>519.3</i>	<i>519.3</i>	<i>519.3</i>	<i>519.3</i>
2.5°	<i>514.8</i>	514.3	512.6	511.9	511.8
5°	<i>496.8</i>	495.6	493.2	493.0	493.2
7.5°	<i>475.2</i>	473.9	471.6	472.5	473.7
10°	<i>457.0</i>	453.8	452.9	454.2	456.4
12.5°	<i>440.8</i>	438.2	437.4	440.8	442.4
15°	<i>425.4</i>	424.3	424.6	427.5	428.7
17.5°	<i>412.0</i>	411.4	413.1	415.3	415.9
20°	<i>398.6</i>	399.9	401.5	403.8	404.6
22.5°	<i>385.5</i>	388.0	390.6	393.7	392.7
25°	<i>373.5</i>	376.6	379.6	382.7	381.8
27.5°	<i>360.6</i>	364.3	368.4	371.8	370.5
30°	<i>348.3</i>	352.8	356.9	361.0	359.1
32.5°	<i>336.1</i>	340.4	345.2	350.2	348.0
35°	<i>323.8</i>	327.7	333.2	338.3	336.6
37.5°	<i>310.1</i>	314.9	321.3	325.7	324.6
40°	<i>297.4</i>	301.8	309.5	312.4	312.1
42.5°	<i>284.6</i>	288.2	296.3	299.5	299.0
45°	<i>268.9</i>	273.7	282.9	286.0	286.3
47.5°	<i>255.0</i>	259.0	268.9	271.3	271.9
50°	<i>239.0</i>	244.1	254.0	256.9	257.3
52.5°	<i>223.3</i>	228.8	238.9	241.0	241.4
55°	<i>207.4</i>	212.3	223.3	224.9	224.2
57.5°	<i>190.6</i>	196.6	206.7	207.5	208.1
60°	<i>174.3</i>	179.5	189.3	190.4	188.9
62.5°	<i>156.5</i>	161.8	171.9	172.2	171.0
65°	<i>139.6</i>	143.7	153.9	153.6	152.9
67.5°	<i>122.0</i>	126.9	134.4	134.7	134.1
70°	<i>105.5</i>	108.9	116.1	116.3	114.7
72.5°	<i>87.7</i>	91.4	97.2	96.4	96.0
75°	<i>70.5</i>	73.3	77.9	78.4	77.1
77.5°	<i>54.6</i>	56.7	60.1	59.7	58.3
80°	<i>38.4</i>	40.1	42.6	42.0	40.5
82.5°	<i>24.5</i>	25.6	27.1	26.5	25.8
85°	<i>13.4</i>	13.5	13.6	13.5	13.1
87.5°	<i>4.9</i>	5.1	5.1	4.9	4.5
90°	<i>0.0</i>	0.0	0.0	0.0	0.0

(END OF REPORT)