

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: P489968

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1STD-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: P489968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2101-115-8)
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-A12125-LD4-1STD-50-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

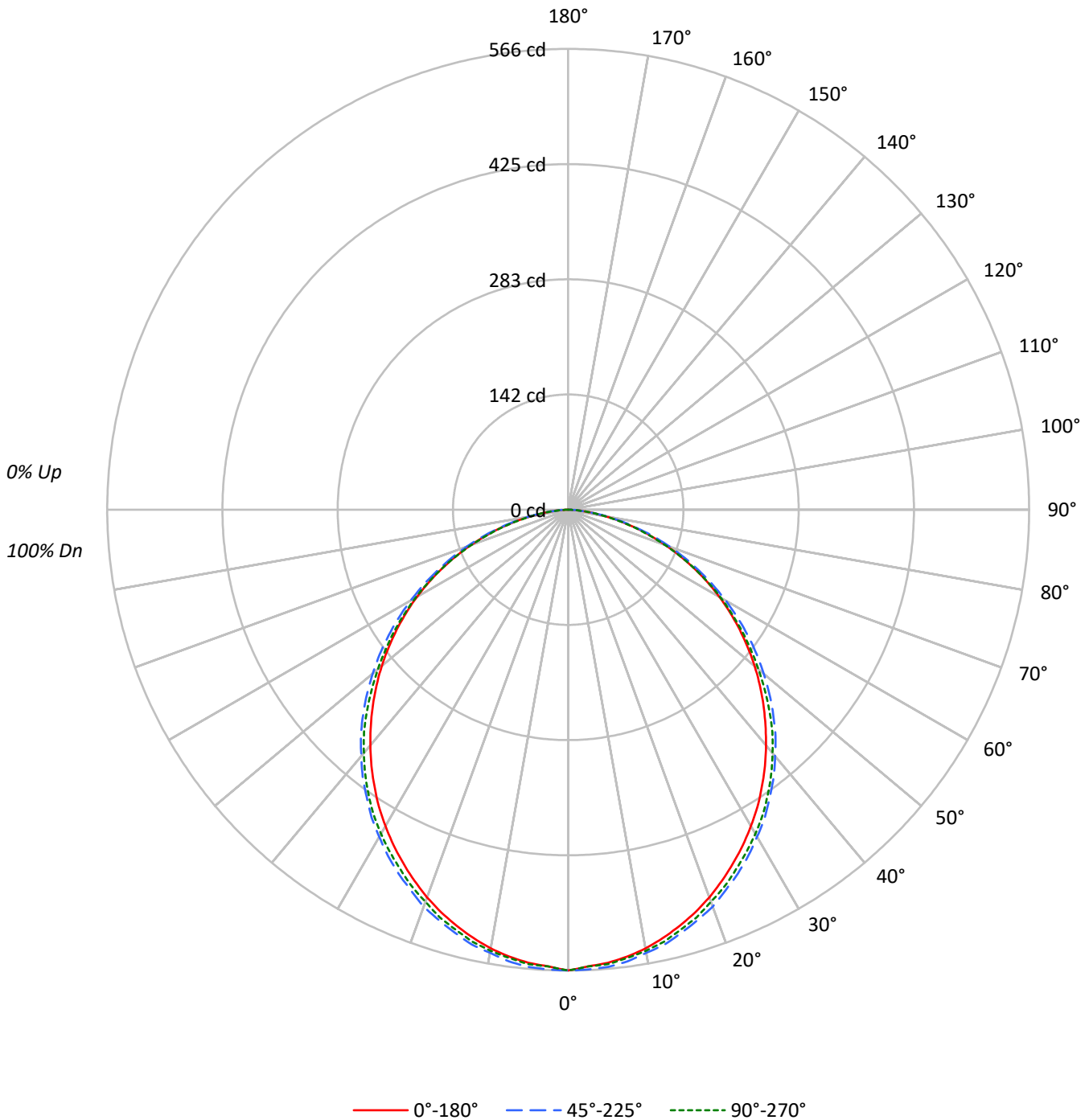
Lumens per Lamp: N/A
Luminaire Lumens: 1487.9 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.6
Input Voltage (V): NR
Input Current (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

TEST NUMBER: P489968

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-1STD-50-120-EDD-90

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	105	100	97	106	102	98	95	98	95	92		94	92	89		91	88	87	85
2	99	91	85	79	97	90	83	78	86	81	76		83	78	75		80	76	73	71
3	91	80	72	66	88	79	71	65	76	70	64		73	68	63		71	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55		65	59	54		63	58	54	51
5	77	64	55	48	75	63	54	48	61	53	48		59	52	47		57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42		53	47	41		52	46	41	39
7	66	52	44	38	64	51	43	37	50	43	37		49	42	37		47	41	37	35
8	61	48	39	34	60	47	39	33	46	38	33		45	38	33		43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27		38	32	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3046	3046	3046
5°	3018	3046	3027
10°	2990	3020	3006
15°	2949	2997	2975
20°	2902	2971	2935
25°	2846	2928	2895
30°	2788	2883	2856
35°	2725	2834	2807
40°	2654	2777	2741
45°	2580	2710	2659
50°	2503	2623	2555
55°	2411	2525	2447
60°	2309	2405	2330
65°	2176	2259	2178
70°	2002	2083	1980
75°	1763	1842	1736
80°	1432	1494	1416
85°	1000	1062	1037



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.3	3.6
10°-20°	151.0	10.2
20°-30°	225.3	15.1
30°-40°	267.0	17.9
40°-50°	270.1	18.2
50°-60°	235.9	15.9
60°-70°	172.4	11.6
70°-80°	91.7	6.2
80°-90°	21.2	1.4
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°	429.6	28.9
0°-40°	696.6	46.8
0°-60°	1202.6	80.8
0°-90°	1487.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1487.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	566	566	566	566	566	
5°	559	560	564	565	560	53
15°	529	533	538	541	534	149
25°	479	485	493	495	488	221
35°	415	421	431	434	427	259
45°	339	345	356	356	349	262
55°	257	262	269	265	261	230
65°	171	174	177	174	171	169
75°	85	87	89	85	84	90
85°	16	16	17	17	17	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	565.9	565.9	565.9	565.9	565.9
2.5°	561.5	563.3	565.2	566.1	561.5
5°	558.6	559.6	563.8	565.1	560.3
7.5°	553.7	555.3	559.4	560.0	555.4
10°	547.1	550.0	552.7	555.6	550.0
12.5°	538.7	542.5	547.1	547.7	543.4
15°	529.2	532.7	537.8	541.0	534.0
17.5°	518.6	522.0	528.5	529.1	524.8
20°	506.7	511.0	518.8	520.1	512.5
22.5°	493.3	499.0	505.5	506.8	501.2
25°	479.2	485.1	493.1	495.0	487.5
27.5°	464.5	470.1	479.1	480.4	474.1
30°	448.7	454.0	463.9	466.1	459.6
32.5°	432.6	437.9	448.9	450.7	444.5
35°	414.8	421.3	431.3	434.3	427.3
37.5°	396.7	403.0	414.3	417.0	409.5
40°	377.8	384.1	395.2	397.5	390.2
42.5°	358.6	364.9	376.8	377.1	371.1
45°	339.0	345.0	356.1	356.4	349.4
47.5°	319.1	325.1	335.0	333.9	327.3
50°	298.9	304.7	313.3	311.1	305.1
52.5°	278.0	283.6	291.8	288.2	282.6
55°	257.0	262.2	269.1	265.2	260.8
57.5°	235.9	241.1	246.4	242.4	238.6
60°	214.5	219.1	223.4	219.4	216.5
62.5°	192.8	196.8	200.5	196.6	193.9
65°	170.9	174.4	177.4	173.9	171.0
67.5°	149.1	152.0	154.8	151.2	148.2
70°	127.2	129.8	132.4	128.6	125.8
72.5°	105.7	108.0	110.3	106.6	104.2
75°	84.8	86.7	88.6	85.4	83.5
77.5°	64.8	66.5	67.8	65.7	63.9
80°	46.2	47.5	48.2	47.4	45.7
82.5°	29.7	30.6	31.0	31.0	29.8
85°	16.2	16.5	17.2	17.4	16.8
87.5°	6.3	6.7	6.8	7.4	6.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)