

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: P489966

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-1STD-40-120-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: P489966
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-40-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

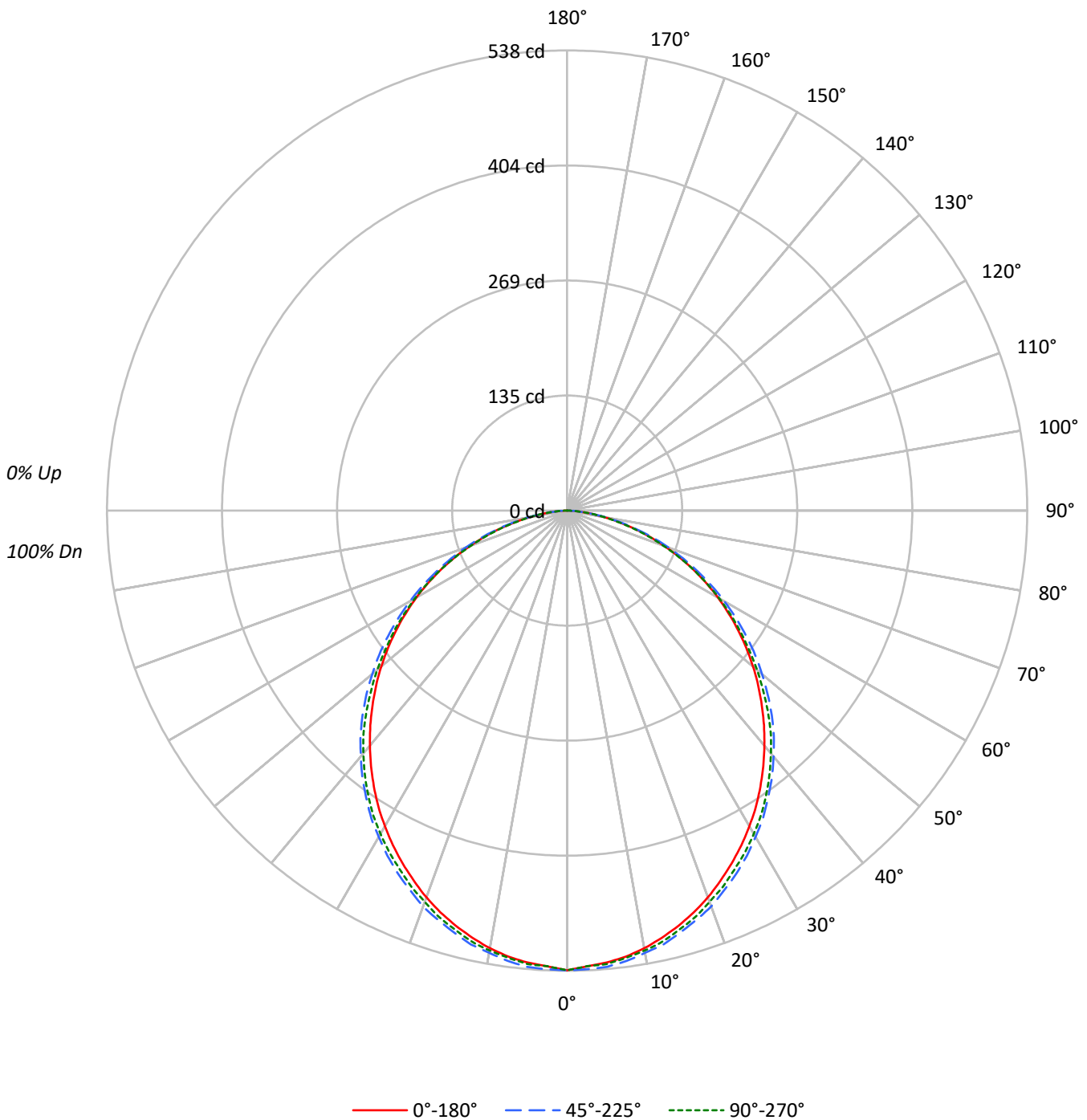
Lumens per Lamp: N/A
Luminaire Lumens: 1413.0 lumens
Efficiency: N/A
Efficacy: 85.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P489966

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-1STD-40-120-EDD-90

Luminous Intensity Polar Plot





TEST NUMBER: P489966

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-1STD-40-120-EDD-90

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°	2893	2893	2893
5°	2866	2893	2875
10°	2840	2869	2854
15°	2800	2846	2825
20°	2756	2822	2788
25°	2703	2781	2749
30°	2648	2738	2713
35°	2588	2691	2666
40°	2521	2637	2604
45°	2450	2574	2525
50°	2376	2492	2426
55°	2290	2397	2324
60°	2193	2284	2213
65°	2067	2146	2068
70°	1901	1978	1880
75°	1674	1751	1649
80°	1361	1420	1345
85°	945	1013	988



TEST NUMBER: P489966

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-1STD-40-120-EDD-90

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.6	3.6
10°-20°	143.4	10.2
20°-30°	213.9	15.1
30°-40°	253.5	17.9
40°-50°	256.5	18.2
50°-60°	224.0	15.9
60°-70°	163.7	11.6
70°-80°	87.1	6.2
80°-90°	20.1	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°	408.0	28.9
0°-40°	661.5	46.8
0°-60°	1142.1	80.8
0°-90°	1413.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1413.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	538	538	538	538	538	
5°	530	532	535	537	532	50
15°	503	506	511	514	507	142
25°	455	461	468	470	463	210
35°	394	400	410	412	406	246
45°	322	328	338	338	332	248
55°	244	249	256	252	248	218
65°	162	166	168	165	162	161
75°	80	82	84	81	79	86
85°	15	16	16	16	16	19
90°	0	0	0	0	0	



TEST NUMBER: P489966

CATALOG NUMBER: CLP-12-2-INS-A12125-LD4-1STD-40-120-EDD-90

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	537.5	537.5	537.5	537.5	537.5
2.5°	533.3	535.0	536.8	537.6	533.2
5°	530.5	531.5	535.4	536.7	532.1
7.5°	525.9	527.4	531.2	531.8	527.4
10°	519.6	522.3	524.9	527.7	522.3
12.5°	511.6	515.2	519.6	520.1	516.1
15°	502.6	505.9	510.7	513.8	507.1
17.5°	492.5	495.7	501.9	502.5	498.4
20°	481.2	485.3	492.7	493.9	486.7
22.5°	468.5	473.9	480.1	481.3	476.0
25°	455.1	460.7	468.3	470.0	462.9
27.5°	441.1	446.5	455.0	456.3	450.3
30°	426.1	431.1	440.5	442.6	436.5
32.5°	410.8	415.9	426.3	428.0	422.1
35°	393.9	400.1	409.6	412.4	405.8
37.5°	376.7	382.7	393.4	396.0	388.8
40°	358.8	364.8	375.3	377.5	370.6
42.5°	340.6	346.5	357.8	358.2	352.4
45°	321.9	327.6	338.2	338.4	331.8
47.5°	303.0	308.8	318.2	317.1	310.8
50°	283.8	289.3	297.6	295.4	289.8
52.5°	264.0	269.3	277.1	273.7	268.3
55°	244.1	249.0	255.5	251.8	247.7
57.5°	224.0	229.0	234.0	230.2	226.6
60°	203.7	208.1	212.2	208.4	205.6
62.5°	183.1	186.9	190.4	186.7	184.2
65°	162.3	165.6	168.5	165.1	162.4
67.5°	141.6	144.4	147.0	143.6	140.7
70°	120.8	123.2	125.7	122.1	119.5
72.5°	100.4	102.5	104.7	101.2	98.9
75°	80.5	82.4	84.2	81.1	79.3
77.5°	61.5	63.1	64.3	62.4	60.6
80°	43.9	45.1	45.8	45.0	43.4
82.5°	28.2	29.1	29.5	29.4	28.3
85°	15.3	15.6	16.4	16.5	16.0
87.5°	5.9	6.3	6.5	7.0	6.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)