

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: P489997

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2STD-27-120-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: P489997
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-LD4-2STD-27-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

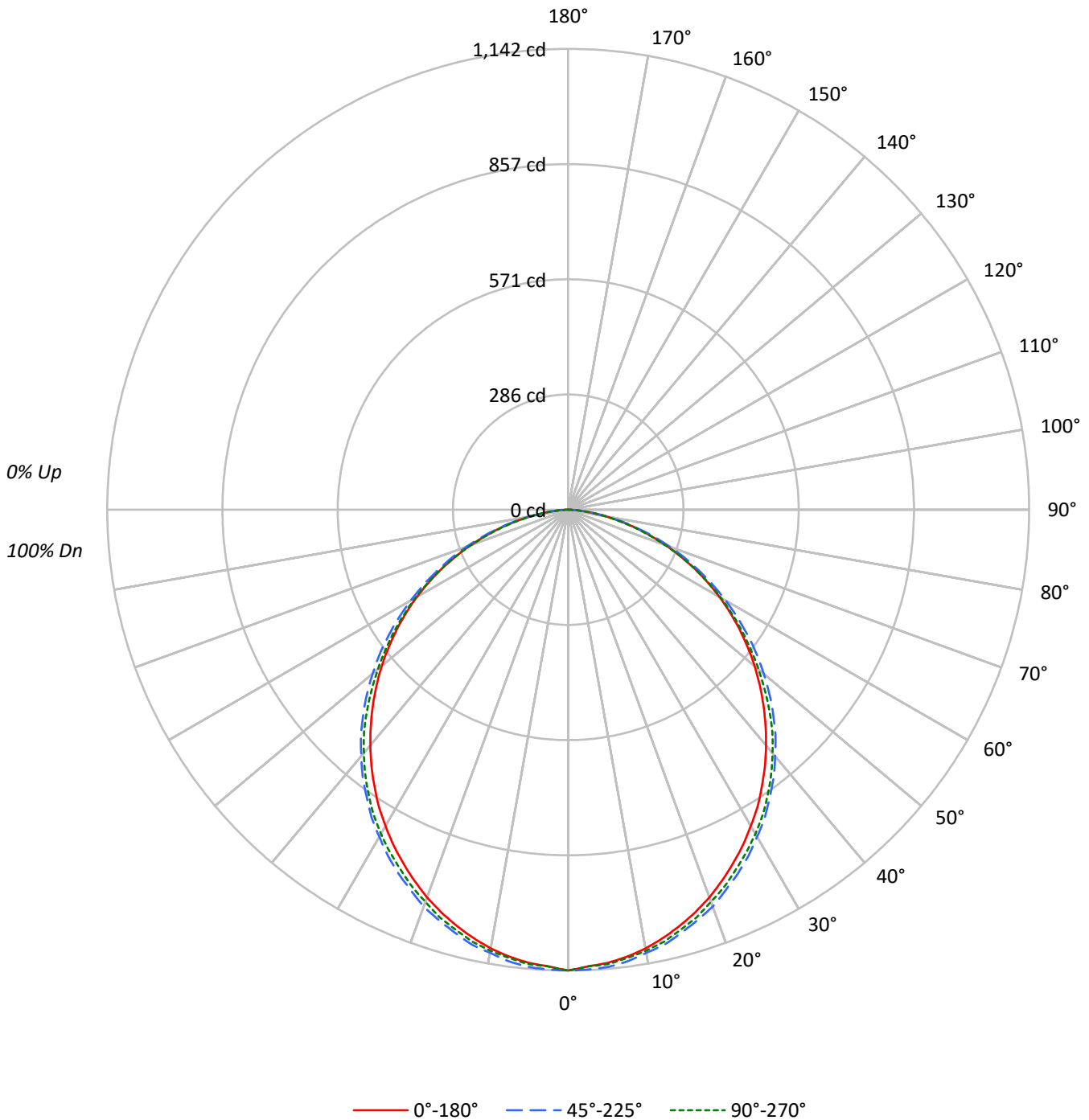
Lumens per Lamp: N/A
Luminaire Lumens: 3002.0 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 33.3
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	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°	6146	6146	6146
5°	6089	6146	6108
10°	6033	6094	6064
15°	5949	6045	6003
20°	5856	5995	5923
25°	5742	5908	5840
30°	5625	5816	5763
35°	5499	5717	5663
40°	5356	5602	5531
45°	5205	5468	5365
50°	5049	5293	5155
55°	4866	5094	4937
60°	4659	4852	4703
65°	4391	4559	4394
70°	4039	4203	3995
75°	3558	3718	3504
80°	2892	3016	2858
85°	2013	2143	2093



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.5	3.6
10°-20°	304.7	10.2
20°-30°	454.5	15.1
30°-40°	538.6	17.9
40°-50°	545.0	18.2
50°-60°	476.0	15.9
60°-70°	347.8	11.6
70°-80°	185.1	6.2
80°-90°	42.8	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°	866.8	28.9
0°-40°	1405.4	46.8
0°-60°	2426.3	80.8
0°-90°	3002.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3002.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1142	1142	1142	1142	1142	
5°	1127	1129	1138	1140	1131	107
15°	1068	1075	1085	1092	1077	301
25°	967	979	995	999	984	445
35°	837	850	870	876	862	523
45°	684	696	718	719	705	528
55°	519	529	543	535	526	464
65°	345	352	358	351	345	341
75°	171	175	179	172	168	182
85°	33	33	35	35	34	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1141.9	1141.9	1141.9	1141.9	1141.9
2.5°	1132.9	1136.6	1140.4	1142.1	1132.8
5°	1127.0	1129.1	1137.6	1140.2	1130.6
7.5°	1117.2	1120.4	1128.6	1129.8	1120.6
10°	1103.9	1109.6	1115.1	1121.0	1109.7
12.5°	1086.9	1094.6	1103.9	1105.0	1096.4
15°	1067.7	1074.9	1085.0	1091.5	1077.4
17.5°	1046.3	1053.2	1066.3	1067.5	1058.9
20°	1022.4	1031.0	1046.7	1049.4	1034.1
22.5°	995.3	1006.8	1019.9	1022.5	1011.2
25°	966.9	978.7	994.9	998.6	983.5
27.5°	937.1	948.5	966.7	969.4	956.6
30°	905.2	915.9	935.9	940.3	927.4
32.5°	872.9	883.6	905.7	909.4	896.8
35°	836.9	850.0	870.1	876.2	862.0
37.5°	800.3	813.0	835.9	841.3	826.1
40°	762.3	775.0	797.4	802.0	787.3
42.5°	723.6	736.2	760.2	760.9	748.8
45°	683.9	696.1	718.4	719.0	704.9
47.5°	643.7	656.0	676.0	673.7	660.4
50°	603.0	614.7	632.2	627.7	615.7
52.5°	560.9	572.2	588.8	581.4	570.1
55°	518.6	529.1	542.9	535.0	526.2
57.5°	475.9	486.5	497.0	489.1	481.5
60°	432.8	442.1	450.8	442.7	436.9
62.5°	389.0	397.0	404.5	396.8	391.3
65°	344.8	351.8	358.0	350.8	345.0
67.5°	300.8	306.7	312.4	305.0	299.0
70°	256.7	261.8	267.1	259.5	253.9
72.5°	213.3	217.8	222.5	215.1	210.2
75°	171.1	175.0	178.8	172.3	168.5
77.5°	130.7	134.1	136.7	132.5	128.8
80°	93.3	95.8	97.3	95.7	92.2
82.5°	60.0	61.7	62.6	62.5	60.2
85°	32.6	33.2	34.7	35.1	33.9
87.5°	12.6	13.4	13.8	14.9	13.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)