

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: P489999

Luminaire Tested: **CLP-12-2-INS-A12125-LD4-2STD-30-120-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: P489999
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-30-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH A12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

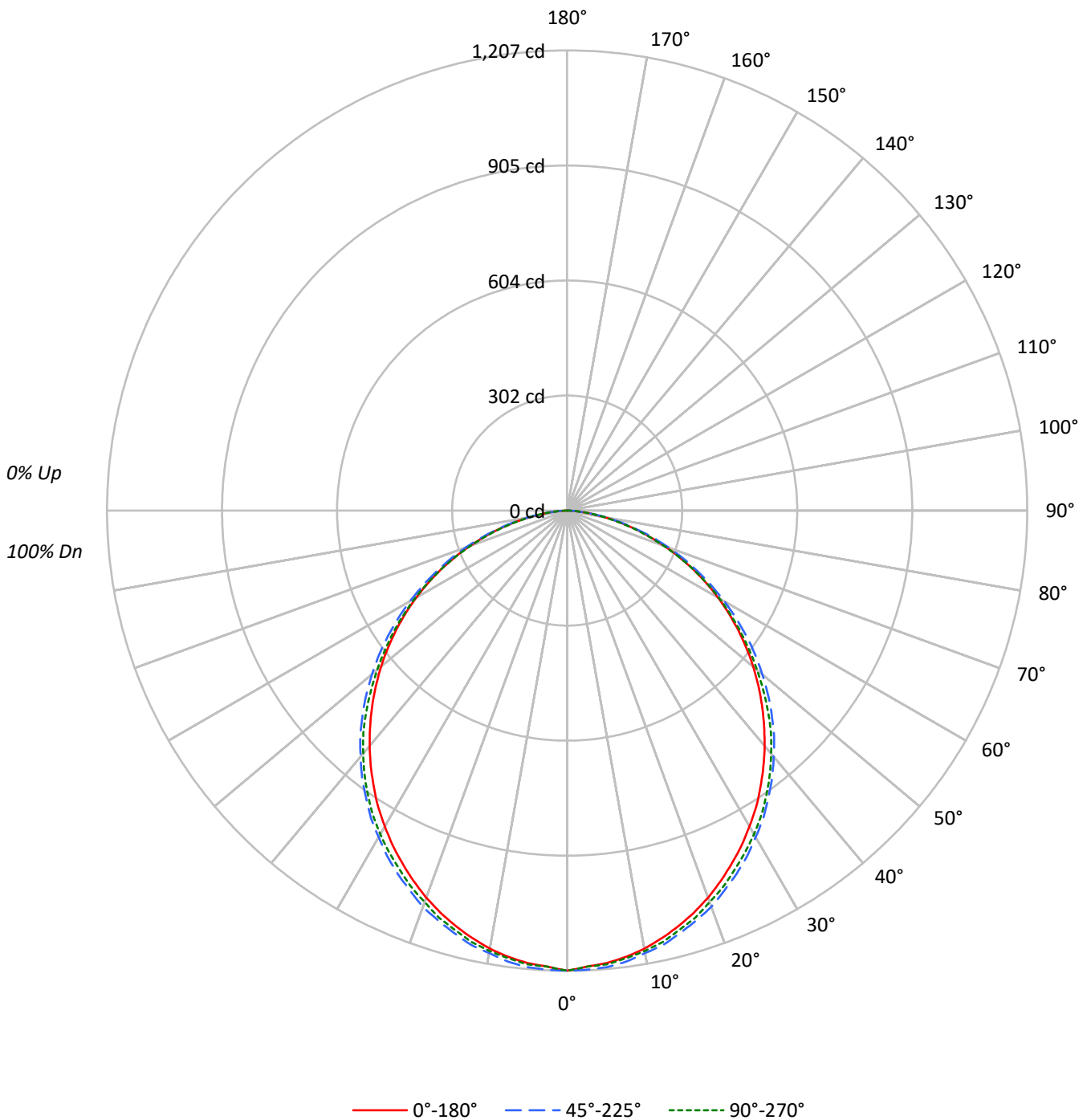
Lumens per Lamp: N/A
Luminaire Lumens: 3172.7 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.21 / 1.34
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

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	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°	6495	6495	6495
5°	6435	6495	6455
10°	6376	6440	6409
15°	6288	6389	6344
20°	6188	6336	6259
25°	6068	6244	6172
30°	5945	6147	6091
35°	5811	6042	5986
40°	5661	5921	5846
45°	5501	5779	5670
50°	5336	5594	5448
55°	5143	5383	5218
60°	4923	5128	4970
65°	4641	4818	4643
70°	4269	4442	4222
75°	3760	3930	3701
80°	3056	3186	3019
85°	2130	2266	2211



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.7	3.6
10°-20°	322.1	10.2
20°-30°	480.4	15.1
30°-40°	569.2	17.9
40°-50°	576.0	18.2
50°-60°	503.0	15.9
60°-70°	367.6	11.6
70°-80°	195.6	6.2
80°-90°	45.2	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°	916.1	28.9
0°-40°	1485.3	46.8
0°-60°	2564.3	80.8
0°-90°	3172.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3172.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1207	1207	1207	1207	1207	
5°	1191	1193	1202	1205	1195	113
15°	1128	1136	1147	1154	1139	318
25°	1022	1034	1052	1055	1039	471
35°	884	898	920	926	911	553
45°	723	736	759	760	745	558
55°	548	559	574	565	556	490
65°	364	372	378	371	365	361
75°	181	185	189	182	178	192
85°	34	35	37	37	36	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1206.8	1206.8	1206.8	1206.8	1206.8
2.5°	1197.4	1201.2	1205.3	1207.0	1197.2
5°	1191.1	1193.3	1202.3	1205.0	1194.8
7.5°	1180.8	1184.2	1192.8	1194.1	1184.3
10°	1166.7	1172.7	1178.5	1184.8	1172.8
12.5°	1148.7	1156.9	1166.7	1167.8	1158.8
15°	1128.5	1136.0	1146.7	1153.6	1138.6
17.5°	1105.8	1113.1	1126.9	1128.2	1119.1
20°	1080.5	1089.6	1106.2	1109.1	1092.9
22.5°	1051.9	1064.1	1077.9	1080.7	1068.7
25°	1021.8	1034.4	1051.5	1055.4	1039.4
27.5°	990.4	1002.5	1021.7	1024.5	1011.0
30°	956.7	968.0	989.1	993.8	980.1
32.5°	922.5	933.8	957.2	961.1	947.8
35°	884.5	898.4	919.6	926.0	911.1
37.5°	845.8	859.3	883.4	889.2	873.1
40°	805.7	819.0	842.8	847.6	832.1
42.5°	764.7	778.0	803.4	804.2	791.4
45°	722.8	735.7	759.3	759.9	745.0
47.5°	680.3	693.3	714.4	712.0	697.9
50°	637.3	649.7	668.1	663.4	650.7
52.5°	592.8	604.8	622.3	614.5	602.5
55°	548.1	559.1	573.7	565.4	556.1
57.5°	502.9	514.1	525.3	516.9	508.8
60°	457.4	467.2	476.4	467.9	461.7
62.5°	411.1	419.6	427.5	419.3	413.5
65°	364.4	371.8	378.3	370.8	364.6
67.5°	317.9	324.1	330.2	322.4	316.0
70°	271.3	276.7	282.3	274.2	268.3
72.5°	225.4	230.2	235.1	227.3	222.2
75°	180.8	185.0	189.0	182.1	178.0
77.5°	138.2	141.7	144.5	140.1	136.2
80°	98.6	101.2	102.8	101.1	97.4
82.5°	63.4	65.3	66.1	66.0	63.6
85°	34.5	35.1	36.7	37.1	35.8
87.5°	13.3	14.2	14.6	15.7	14.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)