

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: P490116

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2HI-27-120-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: P490116
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-LD4-2HI-27-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

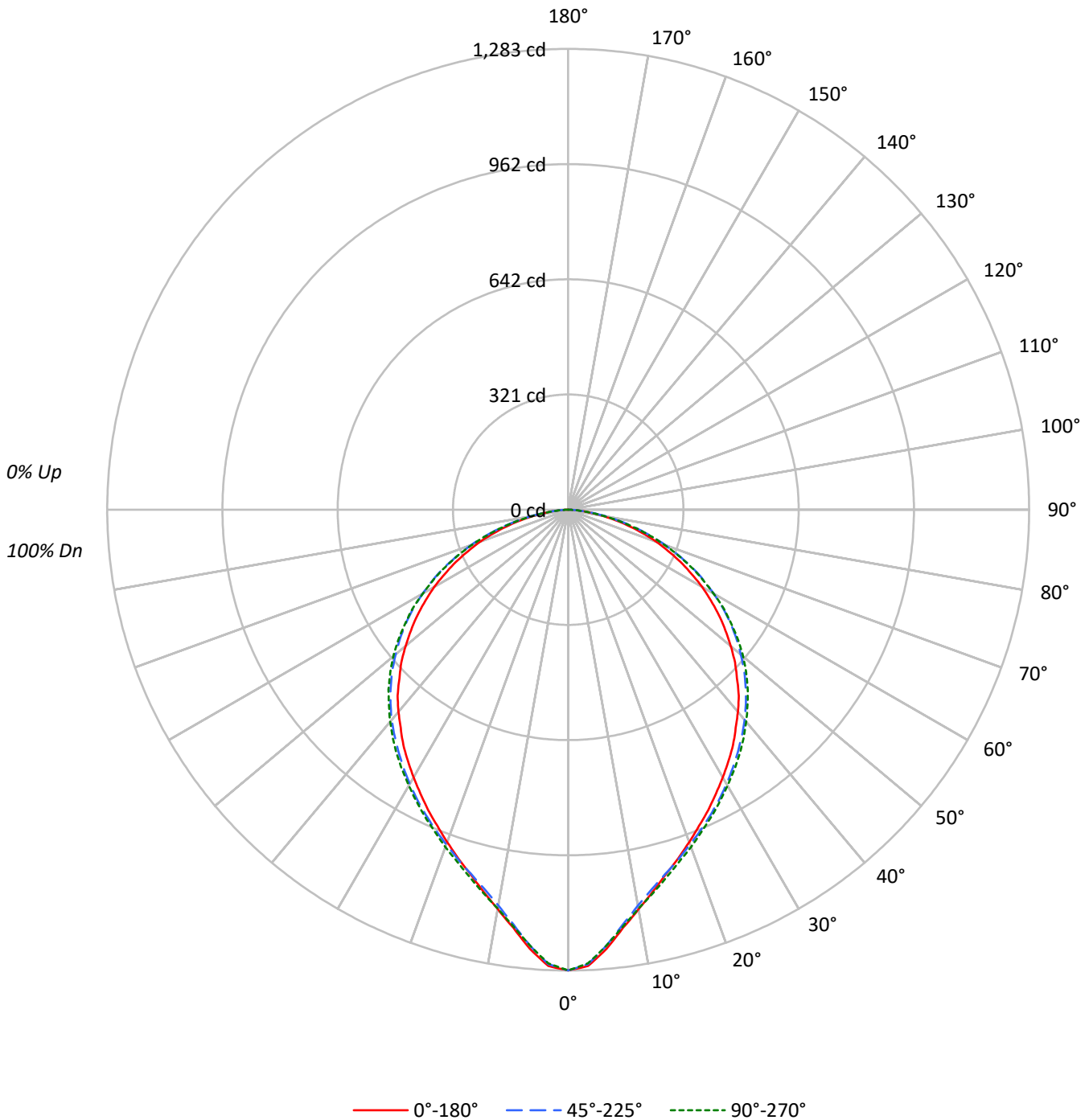
Lumens per Lamp: N/A
Luminaire Lumens: 2979.5 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 43.2
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

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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	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59
4	83	71	62	55	81	70	61	55	67	60	54	65	59	54	63	57	53	51
5	76	63	54	48	74	62	54	48	60	53	47	58	52	46	56	51	46	44
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6903	6903	6903
5°	6629	6582	6582
10°	6169	6113	6161
15°	5854	5843	5901
20°	5639	5680	5724
25°	5478	5567	5600
30°	5346	5478	5512
35°	5254	5408	5462
40°	5161	5370	5415
45°	5055	5318	5382
50°	4943	5252	5322
55°	4806	5176	5197
60°	4633	5033	5024
65°	4392	4840	4809
70°	4101	4515	4458
75°	3618	3999	3959
80°	2941	3257	3099
85°	2038	2075	2001



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.3	3.8
10°-20°	296.9	10.0
20°-30°	431.7	14.5
30°-40°	513.7	17.2
40°-50°	533.5	17.9
50°-60°	483.3	16.2
60°-70°	364.7	12.2
70°-80°	198.7	6.7
80°-90°	43.7	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°	842.0	28.3
0°-40°	1355.7	45.5
0°-60°	2372.5	79.6
0°-90°	2979.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2979.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1283	1283	1283	1283	1283	
5°	1227	1224	1218	1218	1218	114
15°	1051	1048	1049	1056	1059	297
25°	922	930	938	945	943	425
35°	800	809	823	836	831	500
45°	664	676	699	706	707	513
55°	512	524	552	556	554	457
65°	345	355	380	380	378	341
75°	174	181	192	194	190	185
85°	33	33	34	33	32	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1282.7	1282.7	1282.7	1282.7	1282.7
2.5°	1271.5	1270.2	1266.0	1264.4	1264.1
5°	1227.0	1224.1	1218.3	1217.7	1218.3
7.5°	1173.7	1170.5	1164.8	1167.0	1169.9
10°	1128.9	1120.9	1118.6	1121.8	1127.3
12.5°	1088.8	1082.4	1080.5	1088.8	1092.7
15°	1050.6	1048.1	1048.7	1055.8	1059.0
17.5°	1017.7	1016.0	1020.2	1025.7	1027.3
20°	984.6	987.8	991.7	997.5	999.4
22.5°	952.3	958.3	964.8	972.5	969.9
25°	922.5	930.1	937.5	945.2	943.0
27.5°	890.7	899.7	910.0	918.3	915.1
30°	860.3	871.5	881.4	891.7	886.9
32.5°	830.2	840.7	852.6	865.1	859.6
35°	799.7	809.3	823.1	835.6	831.4
37.5°	766.0	777.9	793.6	804.5	801.6
40°	734.6	745.5	764.4	771.5	770.8
42.5°	702.9	711.9	731.7	739.8	738.5
45°	664.1	676.0	698.7	706.4	707.1
47.5°	629.8	639.8	664.1	670.2	671.5
50°	590.4	602.9	627.3	634.6	635.6
52.5°	551.6	565.1	590.1	595.2	596.2
55°	512.2	524.4	551.6	555.5	553.9
57.5°	470.8	485.6	510.6	512.5	514.1
60°	430.4	443.3	467.6	470.2	466.7
62.5°	386.6	399.7	424.7	425.3	422.4
65°	344.9	354.8	380.1	379.5	377.6
67.5°	301.3	313.5	332.1	332.7	331.1
70°	260.6	268.9	286.9	287.2	283.3
72.5°	216.7	225.6	240.1	238.1	237.2
75°	174.0	181.1	192.3	193.6	190.4
77.5°	134.9	140.1	148.4	147.4	143.9
80°	94.9	99.0	105.1	103.9	100.0
82.5°	60.6	63.2	67.0	65.4	63.8
85°	33.0	33.3	33.6	33.3	32.4
87.5°	12.2	12.5	12.5	12.2	11.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)