

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: P490148

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-2STD-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: P490148
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-LD4-2STD-50-120-EDD-90
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

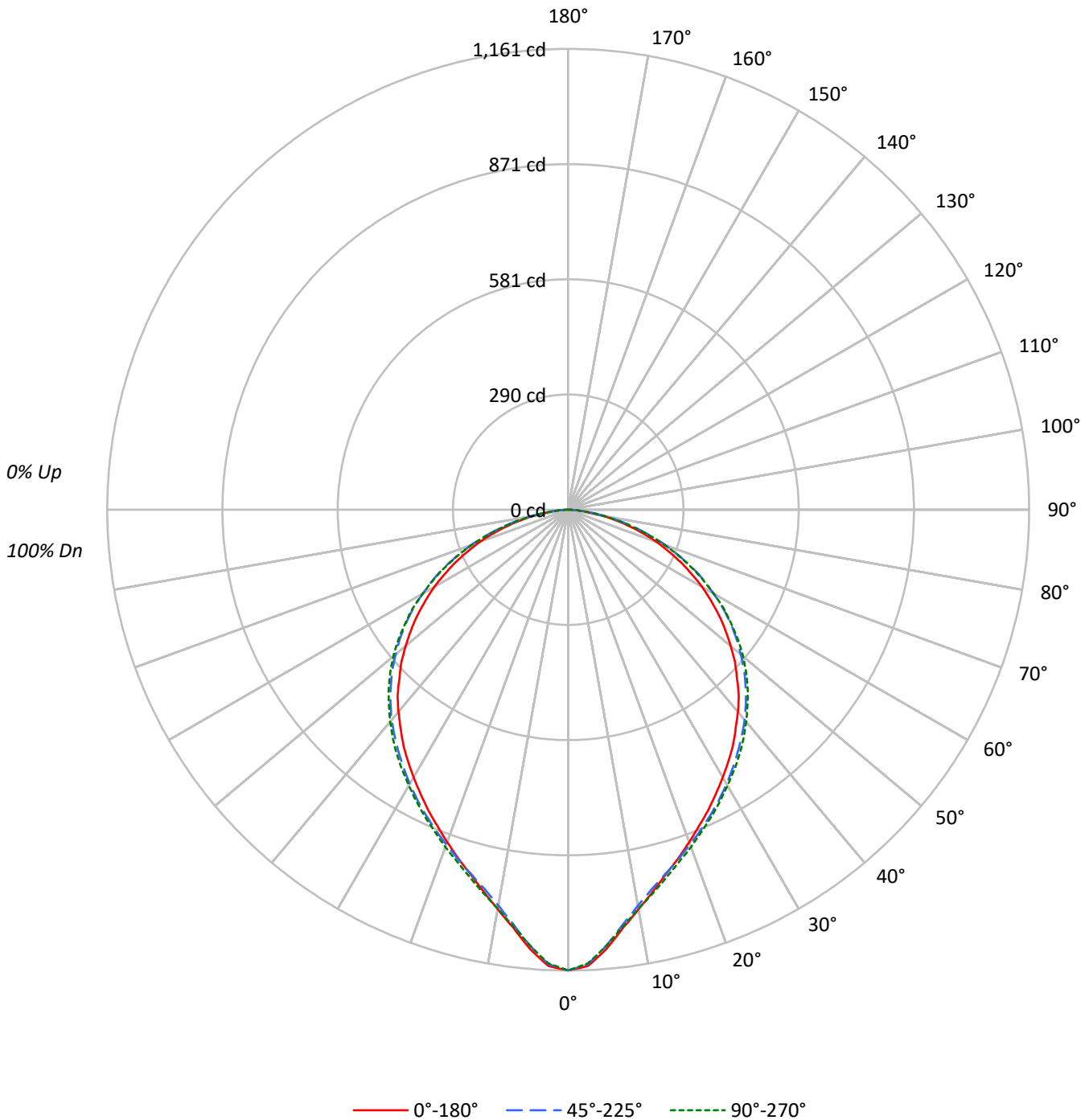
Lumens per Lamp: N/A
Luminaire Lumens: 2696.1 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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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CATALOG NUMBER: CLP-12-2-INS-P12125-LD4-2STD-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	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°	6247	6247	6247
5°	5998	5956	5956
10°	5582	5532	5574
15°	5297	5288	5339
20°	5103	5140	5179
25°	4957	5038	5067
30°	4837	4957	4987
35°	4754	4893	4943
40°	4671	4860	4900
45°	4574	4813	4870
50°	4473	4752	4815
55°	4349	4683	4703
60°	4193	4555	4546
65°	3975	4381	4350
70°	3710	4085	4035
75°	3275	3618	3583
80°	2659	2947	2805
85°	1846	1877	1809



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.6	3.8
10°-20°	268.7	10.0
20°-30°	390.7	14.5
30°-40°	464.9	17.2
40°-50°	482.7	17.9
50°-60°	437.3	16.2
60°-70°	330.0	12.2
70°-80°	179.8	6.7
80°-90°	39.5	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°	761.9	28.3
0°-40°	1226.8	45.5
0°-60°	2146.8	79.6
0°-90°	2696.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2696.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1161	1161	1161	1161	1161	
5°	1110	1108	1102	1102	1102	103
15°	951	948	949	955	958	268
25°	835	842	848	855	853	385
35°	724	732	745	756	752	452
45°	601	612	632	639	640	465
55°	464	474	499	503	501	414
65°	312	321	344	343	342	309
75°	158	164	174	175	172	168
85°	30	30	30	30	29	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1160.7	1160.7	1160.7	1160.7	1160.7
2.5°	1150.6	1149.4	1145.6	1144.2	1143.9
5°	1110.2	1107.6	1102.4	1101.8	1102.4
7.5°	1062.1	1059.2	1054.0	1056.0	1058.6
10°	1021.5	1014.2	1012.2	1015.1	1020.0
12.5°	985.2	979.4	977.7	985.2	988.7
15°	950.7	948.4	949.0	955.4	958.3
17.5°	920.9	919.4	923.2	928.1	929.6
20°	891.0	893.9	897.4	902.6	904.3
22.5°	861.7	867.2	873.0	880.0	877.6
25°	834.7	841.7	848.4	855.3	853.3
27.5°	806.0	814.1	823.4	830.9	828.0
30°	778.4	788.6	797.6	806.9	802.5
32.5°	751.2	760.8	771.5	782.8	777.9
35°	723.6	732.3	744.8	756.1	752.4
37.5°	693.2	703.9	718.1	728.0	725.4
40°	664.8	674.6	691.7	698.1	697.5
42.5°	636.0	644.2	662.1	669.4	668.2
45°	601.0	611.7	632.3	639.2	639.8
47.5°	569.9	578.9	601.0	606.5	607.6
50°	534.2	545.6	567.6	574.3	575.1
52.5°	499.1	511.3	533.9	538.6	539.5
55°	463.5	474.5	499.1	502.6	501.2
57.5°	426.1	439.4	462.0	463.8	465.2
60°	389.5	401.1	423.2	425.5	422.3
62.5°	349.8	361.7	384.3	384.9	382.3
65°	312.1	321.1	344.0	343.4	341.6
67.5°	272.6	283.6	300.5	301.0	299.6
70°	235.8	243.3	259.6	259.9	256.4
72.5°	196.1	204.2	217.2	215.5	214.6
75°	157.5	163.9	174.0	175.2	172.3
77.5°	122.1	126.7	134.3	133.4	130.2
80°	85.8	89.6	95.1	94.0	90.5
82.5°	54.8	57.1	60.6	59.2	57.7
85°	29.9	30.2	30.4	30.2	29.3
87.5°	11.0	11.3	11.3	11.0	10.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)