

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: P490113

Luminaire Tested: **CLP-12-2-INS-P12125-LD4-1STD-50-120-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: P490113
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-LD4-1STD-50-120-EDD
Description: 1X2 CLP LED LUMINAIRE WITH P12125 LENS
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

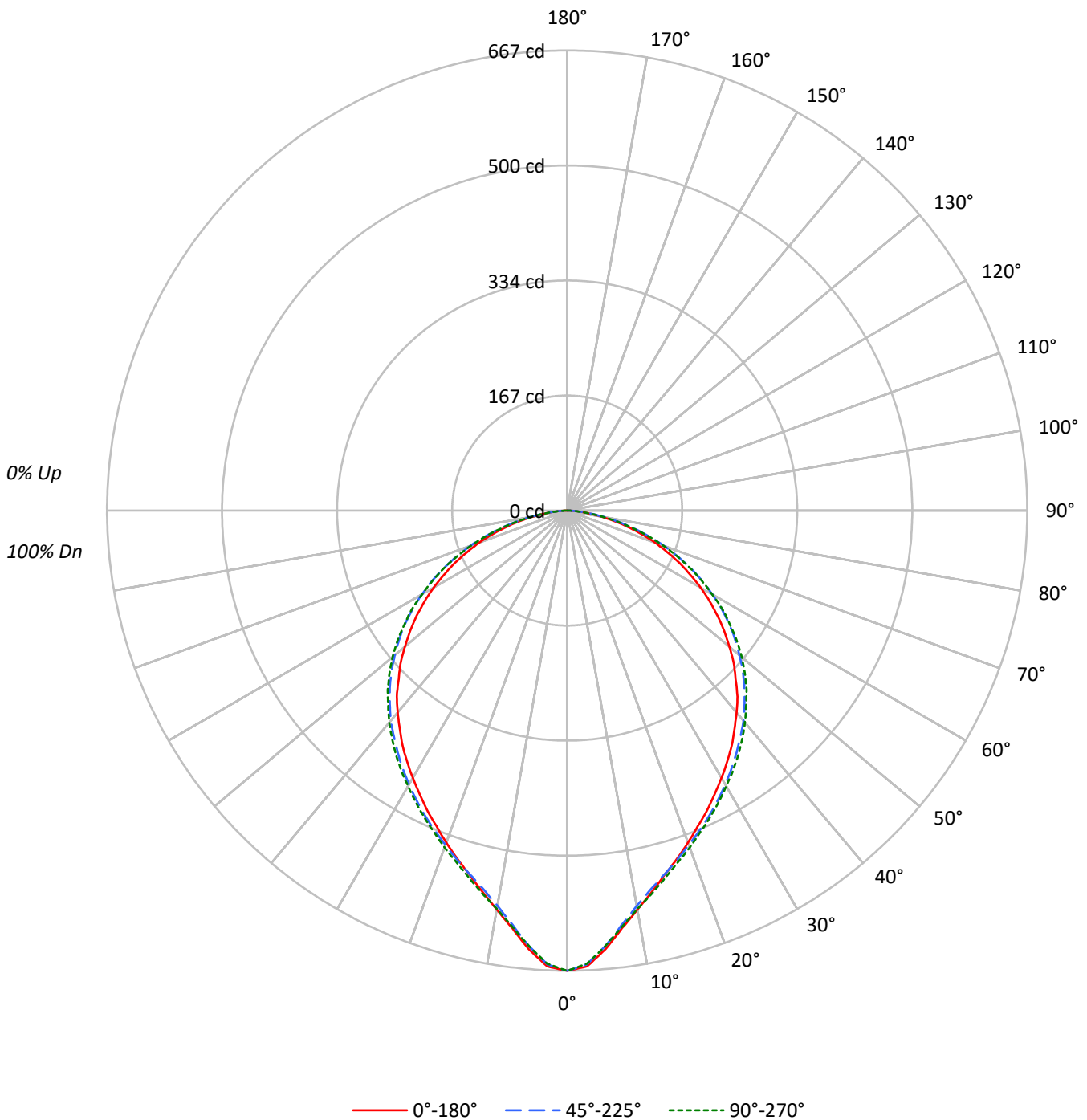
Lumens per Lamp: N/A
Luminaire Lumens: 1549.5 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.04 / 1.24
Luminous Opening: Rectangular (W 1' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 16.6
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	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					100			
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84					84			
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	72	70					70			
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59					59			
4	83	71	62	55	81	70	61	55	67	60	54	65	59	54	63	57	53	51					51			
5	76	63	54	48	74	62	54	48	60	53	47	58	52	46	56	51	46	44					44			
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38					38			
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34					34			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30					30			
9	57	43	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27					27			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25					25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3590	3590	3590
5°	3447	3423	3423
10°	3208	3179	3204
15°	3044	3039	3068
20°	2933	2954	2977
25°	2849	2896	2912
30°	2780	2849	2866
35°	2733	2813	2841
40°	2684	2793	2817
45°	2629	2766	2799
50°	2570	2731	2767
55°	2500	2692	2702
60°	2410	2618	2612
65°	2283	2518	2501
70°	2132	2348	2319
75°	1882	2079	2059
80°	1528	1695	1612
85°	1062	1081	1037



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.9	3.8
10°-20°	154.4	10.0
20°-30°	224.5	14.5
30°-40°	267.2	17.2
40°-50°	277.4	17.9
50°-60°	251.3	16.2
60°-70°	189.7	12.2
70°-80°	103.3	6.7
80°-90°	22.7	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°	437.9	28.3
0°-40°	705.0	45.5
0°-60°	1233.8	79.6
0°-90°	1549.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1549.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	667	667	667	667	667	
5°	638	637	634	633	634	59
15°	546	545	545	549	551	154
25°	480	484	488	492	490	221
35°	416	421	428	435	432	260
45°	345	352	363	367	368	267
55°	266	273	287	289	288	238
65°	179	184	198	197	196	177
75°	90	94	100	101	99	96
85°	17	17	18	17	17	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	667.1	667.1	667.1	667.1	667.1
2.5°	661.2	660.6	658.4	657.6	657.4
5°	638.1	636.6	633.6	633.2	633.6
7.5°	610.4	608.7	605.7	606.9	608.4
10°	587.1	582.9	581.7	583.4	586.2
12.5°	566.2	562.9	561.9	566.2	568.2
15°	546.4	545.1	545.4	549.1	550.7
17.5°	529.2	528.4	530.6	533.4	534.2
20°	512.1	513.7	515.7	518.7	519.7
22.5°	495.2	498.4	501.7	505.7	504.4
25°	479.7	483.7	487.6	491.6	490.4
27.5°	463.2	467.9	473.2	477.6	475.9
30°	447.4	453.2	458.4	463.7	461.2
32.5°	431.7	437.2	443.4	449.9	447.1
35°	415.9	420.9	428.1	434.6	432.4
37.5°	398.4	404.5	412.7	418.4	416.9
40°	382.0	387.7	397.6	401.2	400.9
42.5°	365.5	370.2	380.5	384.7	384.0
45°	345.4	351.5	363.4	367.4	367.7
47.5°	327.5	332.7	345.4	348.5	349.2
50°	307.0	313.5	326.2	330.0	330.5
52.5°	286.9	293.9	306.9	309.5	310.0
55°	266.4	272.7	286.9	288.9	288.0
57.5°	244.9	252.5	265.5	266.5	267.4
60°	223.9	230.5	243.2	244.5	242.7
62.5°	201.0	207.9	220.9	221.2	219.7
65°	179.3	184.5	197.7	197.4	196.4
67.5°	156.7	163.0	172.7	173.0	172.2
70°	135.5	139.8	149.2	149.4	147.4
72.5°	112.7	117.3	124.8	123.9	123.4
75°	90.5	94.2	100.0	100.7	99.0
77.5°	70.2	72.8	77.2	76.7	74.8
80°	49.3	51.5	54.7	54.0	52.0
82.5°	31.5	32.8	34.8	34.0	33.2
85°	17.2	17.3	17.5	17.3	16.8
87.5°	6.3	6.5	6.5	6.3	5.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)