

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: METALUX

Report Number: P225622

Luminaire Tested: **22AC-LD5-34-RDP-UNV-L835-CD1-U**

Issue Date: 3/3/2020

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: P225622
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35766)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22AC-LD5-34-RDP-UNV-L835-CD1-U
Description: METALUX Accord 2X2 LED TROFFER WITH RDP LENS
Light Source: (84)3500K CCT, 85 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER
Luminaire Equipment: Sample No. Condition Description

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2709.9 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.33 / 1.42
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

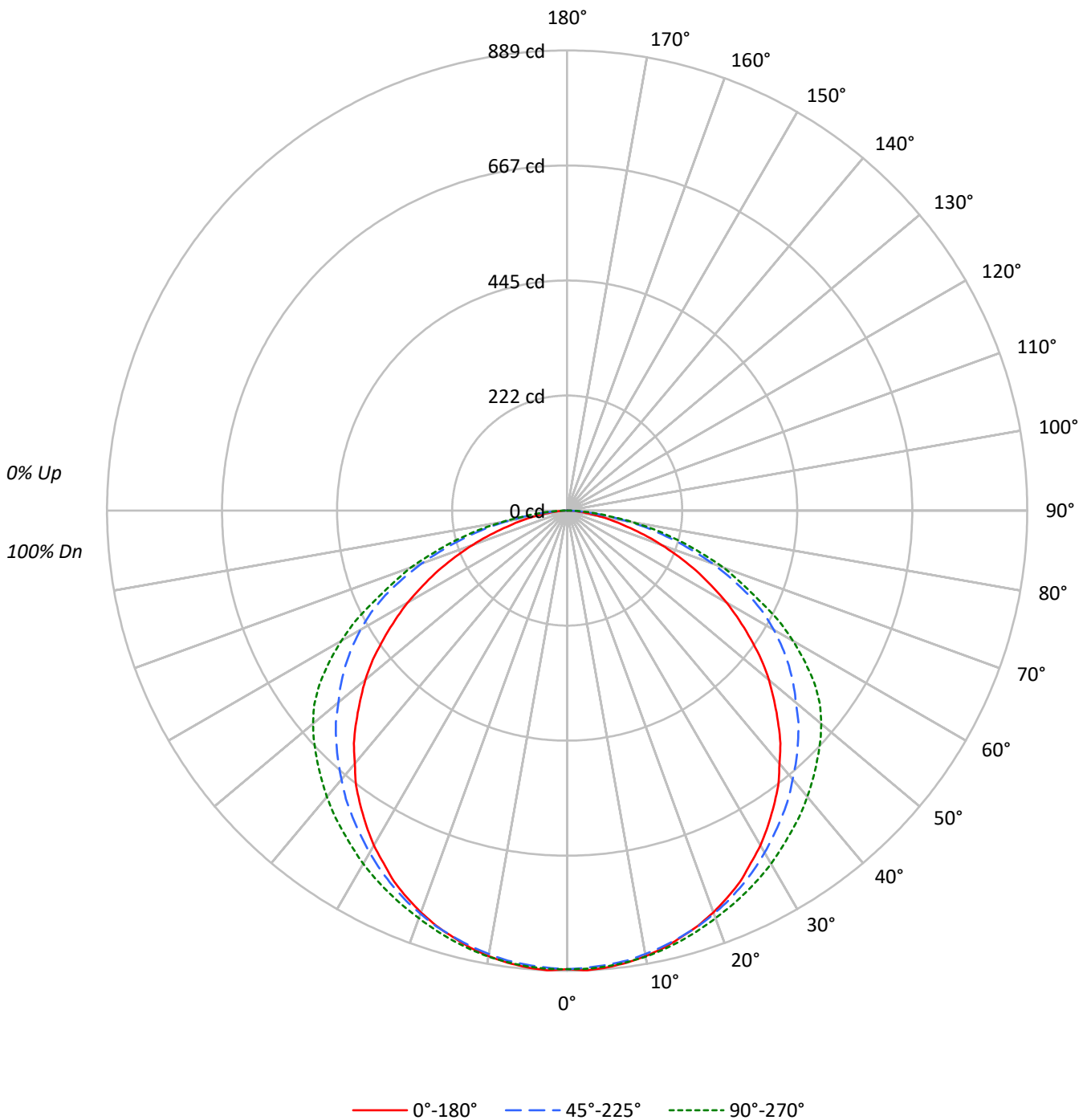
Input Watts (W): 30.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69
3	89	79	70	63	87	77	69	63	74	67	62	71	65	61	69	64	60	57
4	82	69	60	53	79	68	60	53	65	58	52	63	57	52	61	55	51	49
5	75	62	52	46	73	61	52	45	58	51	45	56	50	44	55	49	44	42
6	69	55	46	40	67	54	46	40	53	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	39	34	32
8	59	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	55	42	33	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25
10	52	39	31	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2384	2384	2384
5°	2393	2380	2388
10°	2388	2377	2391
15°	2376	2374	2393
20°	2365	2374	2400
25°	2349	2372	2420
30°	2321	2371	2449
35°	2286	2375	2484
40°	2241	2382	2536
45°	2192	2401	2599
50°	2131	2416	2683
55°	2031	2454	2740
60°	1916	2481	2713
65°	1751	2471	2598
70°	1526	2353	2526
75°	1248	2142	2319
80°	976	1813	1984
85°	679	1204	1420



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.0	3.1
10°-20°	241.3	8.9
20°-30°	369.3	13.6
30°-40°	453.8	16.7
40°-50°	486.7	18.0
50°-60°	461.3	17.0
60°-70°	360.5	13.3
70°-80°	205.1	7.6
80°-90°	48.0	1.8
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°	694.6	25.6
0°-40°	1148.3	42.4
0°-60°	2096.3	77.4
0°-90°	2709.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2709.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	886	886	886	886	886	
5°	886	884	881	883	884	84
15°	853	852	852	856	859	241
25°	791	793	799	810	815	364
35°	696	704	723	746	756	435
45°	576	593	631	669	683	444
55°	433	471	523	570	584	387
65°	275	325	388	404	408	271
75°	120	179	206	221	223	131
85°	22	32	39	45	46	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	886	886	886	886	886
2.5°	889	886	884	885	886
5°	886	884	881	883	884
7.5°	881	879	877	879	880
10°	874	872	870	873	875
12.5°	865	863	862	866	868
15°	853	852	852	856	859
17.5°	841	840	842	847	849
20°	826	826	829	835	838
22.5°	809	810	815	823	827
25°	791	793	799	810	815
27.5°	768	772	782	795	802
30°	747	751	763	780	788
32.5°	722	729	743	763	772
35°	696	704	723	746	756
37.5°	670	678	702	728	740
40°	638	652	678	709	722
42.5°	610	623	655	689	703
45°	576	593	631	669	683
47.5°	542	563	606	647	663
50°	509	531	577	623	641
52.5°	473	500	551	599	616
55°	433	471	523	570	584
57.5°	394	434	493	538	545
60°	356	397	461	496	504
62.5°	314	361	427	455	461
65°	275	325	388	404	408
67.5°	234	287	343	359	363
70°	194	251	299	313	321
72.5°	156	214	251	266	270
75°	120	179	206	221	223
77.5°	91	140	163	175	177
80°	63	97	117	126	128
82.5°	40	62	75	82	82
85°	22	32	39	45	46
87.5°	8	10	13	20	22
90°	0	0	0	0	0

(END OF REPORT)