

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: P296522

Luminaire Tested: **22RLN-LD5-35-UNV-L92765-W2A1-U-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296522
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-085-11)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22RLN-LD5-35-UNV-L92765-W2A1-U-6500K
Description: RLN LED 2x2 TUNABLE WHITE TROFFER
WITH STANDARD LENS
Light Source: (252) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3360.0 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.23 / 1.3
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

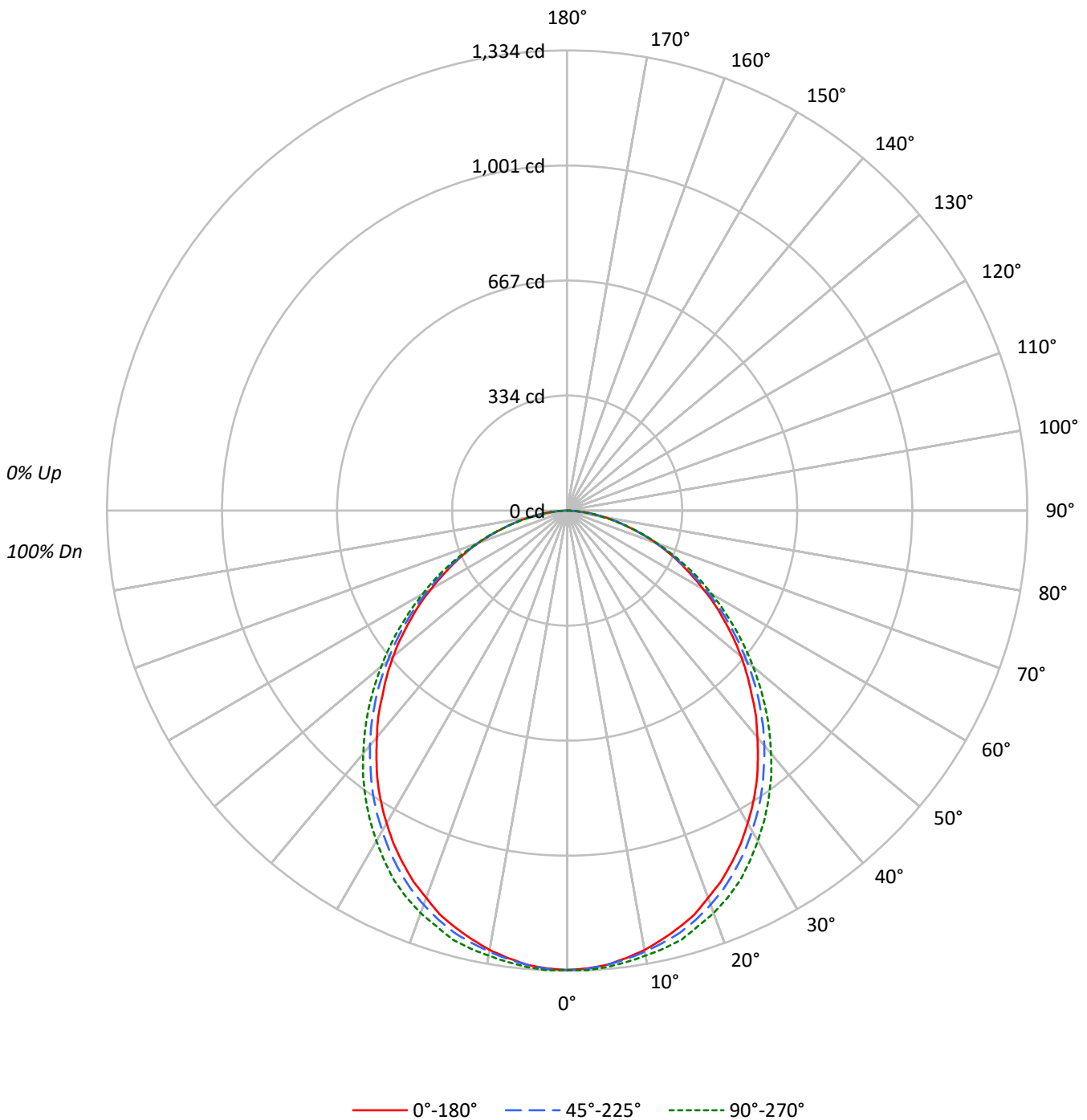
Input Watts (W): 29.202
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	46
6	71	58	50	43	70	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	38	36
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3584	3584	3584
5°	3571	3571	3589
10°	3534	3548	3580
15°	3486	3528	3584
20°	3421	3483	3555
25°	3347	3417	3517
30°	3253	3332	3436
35°	3148	3236	3346
40°	3013	3125	3231
45°	2882	2997	3099
50°	2756	2848	2946
55°	2609	2688	2782
60°	2453	2516	2605
65°	2304	2347	2422
70°	2149	2149	2188
75°	1916	1916	1916
80°	1688	1635	1635
85°	1346	1294	1189



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.6	3.7
10°-20°	357.1	10.6
20°-30°	530.5	15.8
30°-40°	615.6	18.3
40°-50°	606.2	18.0
50°-60°	513.0	15.3
60°-70°	365.9	10.9
70°-80°	196.6	5.9
80°-90°	49.6	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°	1013.2	30.2
0°-40°	1628.8	48.5
0°-60°	2748.0	81.8
0°-90°	3360.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3360.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1332	1332	1332	1332	1332	
5°	1322	1322	1322	1327	1328	125
15°	1251	1255	1266	1278	1287	353
25°	1127	1131	1151	1173	1184	519
35°	958	960	985	1008	1019	598
45°	757	762	787	806	814	585
55°	556	558	573	588	593	498
65°	362	362	369	375	380	359
75°	184	183	184	184	184	198
85°	44	42	42	38	38	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1331.8	1331.8	1331.8	1331.8	1331.8
2.5°	1328.5	1328.5	1330.2	1331.8	1333.5
5°	1321.8	1321.8	1321.8	1326.8	1328.5
7.5°	1308.4	1310.1	1311.7	1316.8	1320.1
10°	1293.3	1295.0	1298.3	1306.7	1310.1
12.5°	1273.2	1278.2	1283.2	1295.0	1300.0
15°	1251.4	1254.8	1266.5	1278.2	1286.6
17.5°	1228.0	1229.6	1243.0	1259.8	1263.1
20°	1194.5	1199.5	1216.2	1233.0	1241.4
22.5°	1164.3	1167.7	1186.1	1207.9	1214.6
25°	1127.4	1130.8	1150.9	1172.7	1184.4
27.5°	1088.9	1092.3	1114.0	1137.5	1145.9
30°	1047.0	1050.4	1072.2	1097.3	1105.7
32.5°	1003.5	1006.8	1030.3	1052.1	1063.8
35°	958.2	959.9	985.1	1008.5	1018.6
37.5°	908.0	913.0	936.5	959.9	971.6
40°	857.7	862.8	889.6	911.3	919.7
42.5°	810.8	817.5	839.3	859.4	867.8
45°	757.2	762.2	787.4	805.8	814.2
47.5°	708.6	713.7	735.4	753.9	758.9
50°	658.4	661.7	680.2	696.9	703.6
52.5°	608.1	609.8	626.5	643.3	648.3
55°	556.2	557.9	572.9	588.0	593.0
57.5°	507.6	507.6	521.0	532.7	537.8
60°	455.7	455.7	467.4	479.1	484.1
62.5°	407.1	407.1	418.8	427.2	433.9
65°	361.9	361.9	368.6	375.3	380.3
67.5°	318.3	313.3	320.0	328.4	326.7
70°	273.1	268.0	273.1	276.4	278.1
72.5°	227.8	224.5	227.8	229.5	232.9
75°	184.3	182.6	184.3	184.3	184.3
77.5°	147.4	142.4	145.7	144.1	142.4
80°	108.9	107.2	105.5	103.9	105.5
82.5°	75.4	73.7	73.7	70.4	70.4
85°	43.6	41.9	41.9	38.5	38.5
87.5°	16.8	16.8	15.1	15.1	15.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)