

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: P412723

Luminaire Tested: **22PD-35-PP3-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412723
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-35-PP3-L835
Description: 3500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

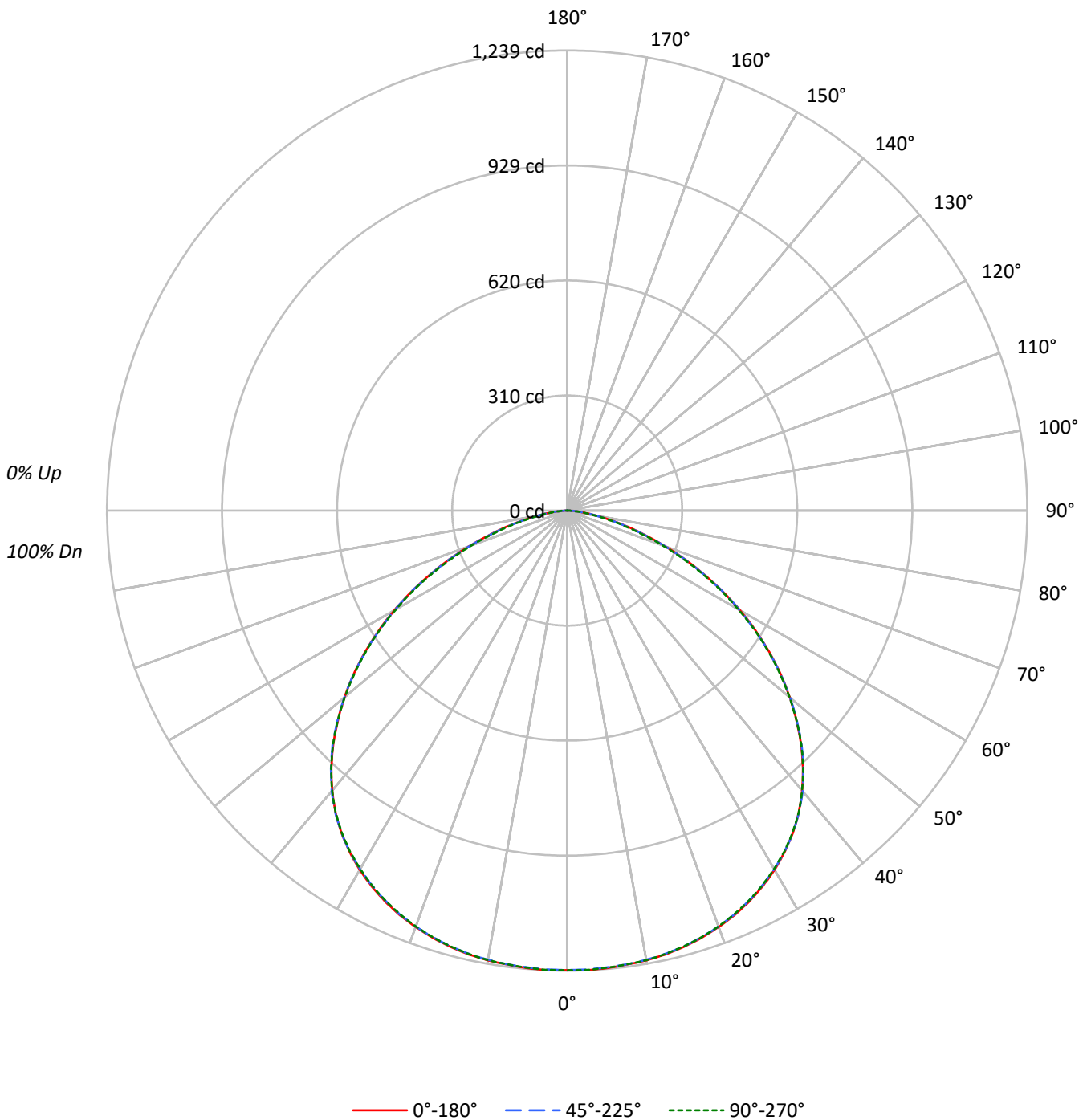
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3550.0 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 29.2
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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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	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
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°	3330	3330	3330
5°	3340	3336	3338
10°	3361	3356	3359
15°	3387	3384	3384
20°	3417	3413	3412
25°	3447	3441	3441
30°	3471	3465	3463
35°	3481	3481	3477
40°	3458	3466	3458
45°	3390	3399	3395
50°	3276	3281	3272
55°	3118	3111	3105
60°	2895	2888	2866
65°	2586	2583	2555
70°	2210	2198	2149
75°	1761	1709	1658
80°	1255	1229	1165
85°	815	815	790



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.7	3.3
10°-20°	343.2	9.7
20°-30°	534.5	15.1
30°-40°	661.5	18.6
40°-50°	685.9	19.3
50°-60°	591.2	16.7
60°-70°	401.9	11.3
70°-80°	179.9	5.1
80°-90°	34.2	1.0
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°	995.4	28.0
0°-40°	1656.8	46.7
0°-60°	2933.9	82.6
0°-90°	3550.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3550.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1237	1237	1237	1237	1237	
5°	1236	1234	1235	1234	1236	118
15°	1216	1214	1215	1214	1215	344
25°	1161	1159	1159	1158	1159	535
35°	1060	1058	1060	1058	1058	662
45°	891	890	893	891	892	686
55°	665	662	663	662	662	593
65°	406	409	406	404	401	403
75°	169	170	164	164	160	182
85°	26	27	26	26	26	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1237.3	1237.3	1237.3	1237.3	1237.3
2.5°	1239.0	1236.5	1236.5	1236.9	1238.2
5°	1236.5	1234.0	1234.9	1234.4	1235.7
7.5°	1233.2	1231.1	1232.4	1231.5	1232.4
10°	1229.9	1227.8	1228.2	1227.8	1229.1
12.5°	1224.1	1221.6	1222.5	1222.5	1222.9
15°	1215.9	1213.8	1214.6	1213.8	1214.6
17.5°	1205.9	1203.5	1203.9	1203.5	1204.3
20°	1193.1	1191.5	1191.9	1191.1	1191.5
22.5°	1178.7	1176.6	1177.0	1176.2	1176.2
25°	1160.9	1159.3	1158.8	1158.4	1158.8
27.5°	1140.2	1138.2	1138.2	1137.8	1137.8
30°	1117.1	1115.0	1115.0	1114.6	1114.6
32.5°	1089.8	1089.0	1089.4	1088.6	1088.2
35°	1059.7	1058.4	1059.7	1058.0	1058.4
37.5°	1024.6	1022.9	1025.4	1023.7	1024.2
40°	984.5	983.7	986.6	985.3	984.5
42.5°	939.9	939.9	941.1	941.5	940.7
45°	890.7	889.9	893.2	891.1	892.0
47.5°	837.8	836.6	839.1	838.7	838.2
50°	782.5	781.6	783.7	781.6	781.6
52.5°	725.0	724.6	725.0	723.0	722.6
55°	664.7	662.3	663.1	661.8	661.8
57.5°	601.9	599.0	599.5	599.0	599.5
60°	537.9	537.1	536.7	534.6	532.5
62.5°	472.2	473.0	472.6	469.7	467.7
65°	406.1	409.4	405.7	404.5	401.2
67.5°	343.7	345.0	342.5	339.6	335.9
70°	280.9	283.4	279.3	276.4	273.1
72.5°	221.0	222.7	219.0	217.3	213.2
75°	169.4	169.8	164.4	163.6	159.5
77.5°	120.6	122.3	118.2	118.2	114.0
80°	81.0	83.9	79.3	78.1	75.2
82.5°	50.8	51.2	50.0	48.7	47.5
85°	26.4	27.3	26.4	25.6	25.6
87.5°	9.9	10.3	9.9	9.5	9.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)