

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: P412724

Luminaire Tested: **22PD-35-PP3-L840**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412724
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-L840
Description: 3500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

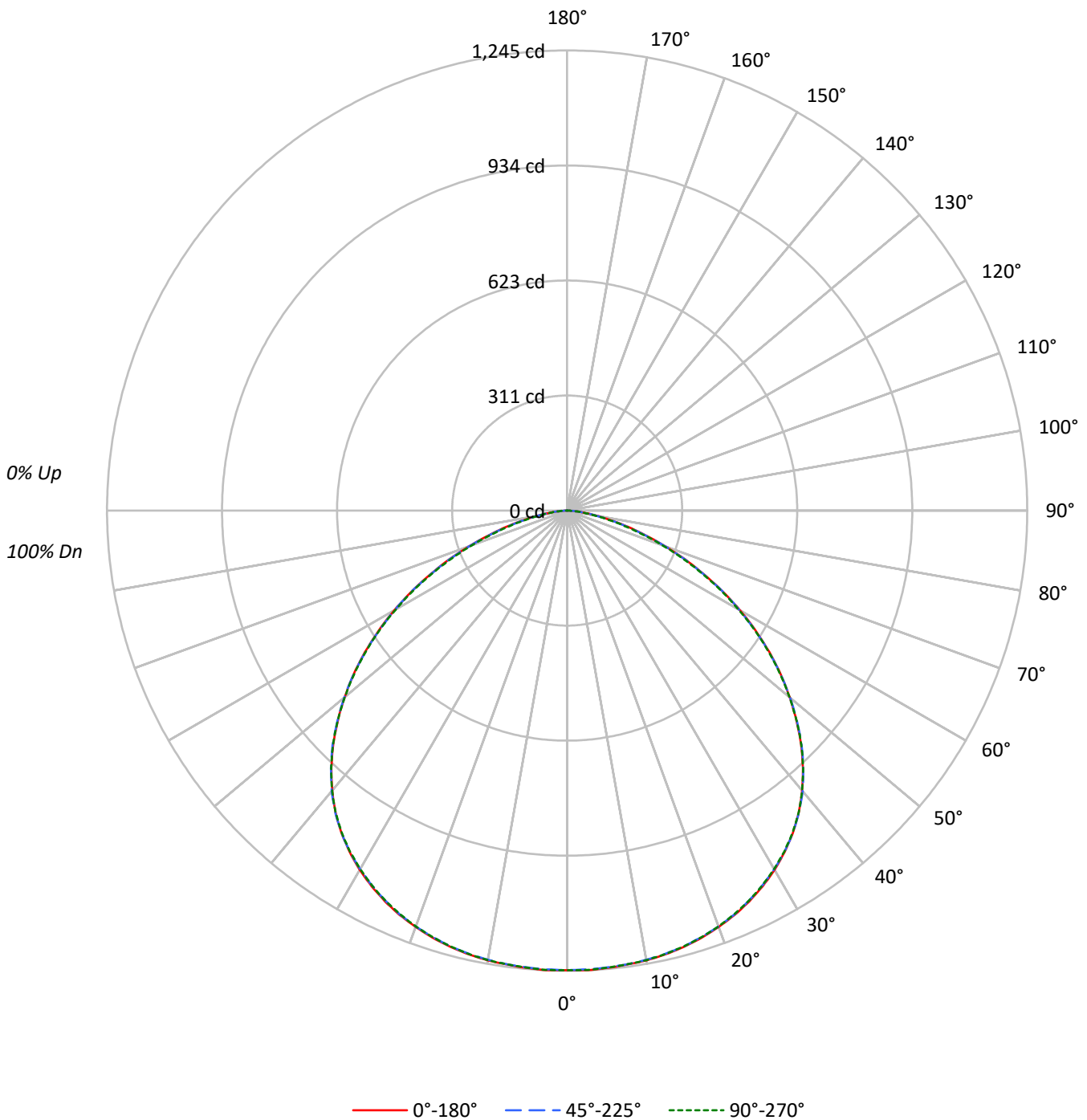
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3567.0 lumens
Efficiency: N/A
Efficacy: 122.2 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°	3346	3346	3346
5°	3356	3352	3354
10°	3377	3372	3375
15°	3404	3400	3400
20°	3433	3430	3428
25°	3464	3457	3457
30°	3488	3481	3480
35°	3498	3498	3494
40°	3475	3482	3475
45°	3406	3416	3411
50°	3291	3297	3288
55°	3134	3126	3120
60°	2909	2902	2880
65°	2599	2595	2567
70°	2221	2208	2159
75°	1770	1718	1666
80°	1261	1235	1172
85°	821	821	794



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.2	3.3
10°-20°	344.9	9.7
20°-30°	537.0	15.1
30°-40°	664.6	18.6
40°-50°	689.2	19.3
50°-60°	594.0	16.7
60°-70°	403.9	11.3
70°-80°	180.7	5.1
80°-90°	34.4	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°	1000.1	28.0
0°-40°	1664.8	46.7
0°-60°	2948.0	82.6
0°-90°	3567.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3567.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1243	1243	1243	1243	1243	
5°	1242	1240	1241	1240	1242	118
15°	1222	1220	1220	1220	1220	345
25°	1166	1165	1164	1164	1164	538
35°	1065	1064	1065	1063	1064	665
45°	895	894	898	895	896	689
55°	668	665	666	665	665	596
65°	408	411	408	406	403	405
75°	170	171	165	164	160	183
85°	27	27	27	26	26	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1243.3	1243.3	1243.3	1243.3	1243.3
2.5°	1244.9	1242.4	1242.4	1242.8	1244.1
5°	1242.4	1239.9	1240.8	1240.4	1241.6
7.5°	1239.1	1237.0	1238.3	1237.4	1238.3
10°	1235.8	1233.7	1234.1	1233.7	1235.0
12.5°	1230.0	1227.5	1228.3	1228.3	1228.7
15°	1221.7	1219.6	1220.4	1219.6	1220.4
17.5°	1211.7	1209.2	1209.6	1209.2	1210.0
20°	1198.8	1197.2	1197.6	1196.8	1197.2
22.5°	1184.3	1182.2	1182.7	1181.8	1181.8
25°	1166.5	1164.8	1164.4	1164.0	1164.4
27.5°	1145.7	1143.6	1143.6	1143.2	1143.2
30°	1122.5	1120.4	1120.4	1120.0	1120.0
32.5°	1095.1	1094.2	1094.6	1093.8	1093.4
35°	1064.8	1063.5	1064.8	1063.1	1063.5
37.5°	1029.5	1027.8	1030.3	1028.6	1029.1
40°	989.2	988.4	991.3	990.0	989.2
42.5°	944.4	944.4	945.6	946.0	945.2
45°	895.0	894.1	897.5	895.4	896.2
47.5°	841.8	840.6	843.1	842.7	842.3
50°	786.2	785.4	787.5	785.4	785.4
52.5°	728.5	728.1	728.5	726.4	726.0
55°	667.9	665.4	666.3	665.0	665.0
57.5°	604.8	601.9	602.3	601.9	602.3
60°	540.5	539.6	539.2	537.2	535.1
62.5°	474.5	475.3	474.9	472.0	469.9
65°	408.1	411.4	407.6	406.4	403.1
67.5°	345.4	346.6	344.1	341.2	337.5
70°	282.3	284.8	280.6	277.7	274.4
72.5°	222.1	223.7	220.0	218.3	214.2
75°	170.2	170.6	165.2	164.4	160.2
77.5°	121.2	122.9	118.7	118.7	114.6
80°	81.4	84.3	79.7	78.5	75.6
82.5°	51.1	51.5	50.2	49.0	47.7
85°	26.6	27.4	26.6	25.7	25.7
87.5°	10.0	10.4	10.0	9.5	10.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)