

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: P412382

Luminaire Tested: **22PD-35-PB1-L840**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412382
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-14)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-35-PB1-L840
Description: 3500 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

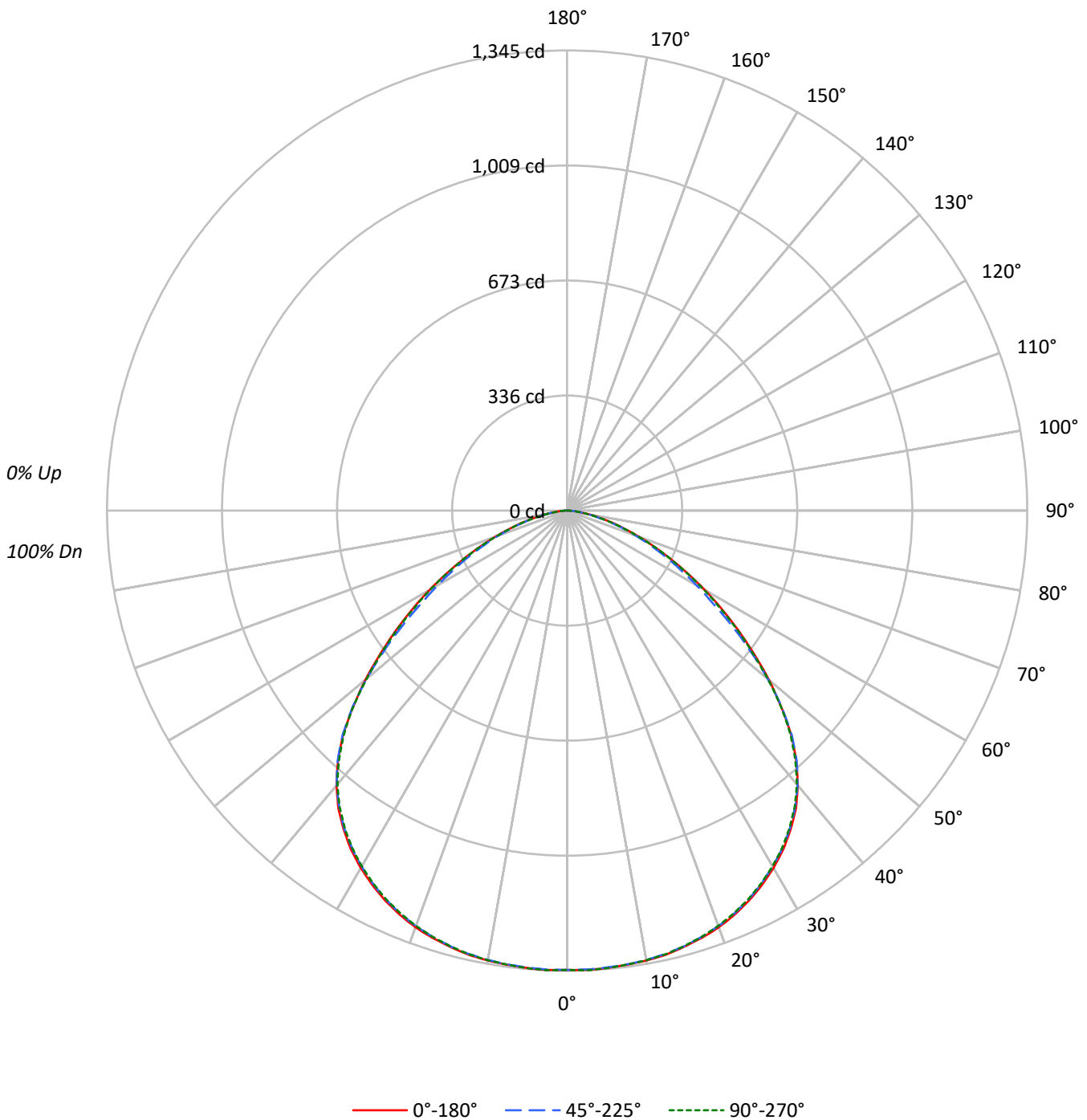
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3525.0 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.4
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	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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88					86				
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	76					73				
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65					63				
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56					54				
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	54	49					47				
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44					42				
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39					37				
8	63	50	41	36	61	49	41	36	48	40	35	46	40	35	45	39	35					33				
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32					30				
10	55	42	34	29	54	41	34	29	41	34	29	40	33	29	39	33	29					27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3613	3613	3613
5°	3625	3621	3626
10°	3648	3644	3646
15°	3678	3672	3672
20°	3712	3701	3699
25°	3735	3724	3720
30°	3748	3732	3730
35°	3740	3729	3722
40°	3684	3680	3668
45°	3522	3533	3506
50°	3224	3207	3203
55°	2865	2764	2846
60°	2498	2346	2483
65°	2118	2004	2107
70°	1751	1679	1735
75°	1416	1326	1360
80°	1023	990	984
85°	667	667	642



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.8	3.6
10°-20°	372.6	10.6
20°-30°	578.2	16.4
30°-40°	709.0	20.1
40°-50°	708.7	20.1
50°-60°	536.9	15.2
60°-70°	322.0	9.1
70°-80°	141.8	4.0
80°-90°	28.1	0.8
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°	1078.5	30.6
0°-40°	1787.5	50.7
0°-60°	3033.1	86.0
0°-90°	3525.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3525.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1343	1343	1343	1343	1343	
5°	1342	1340	1341	1340	1342	128
15°	1320	1319	1318	1317	1318	373
25°	1258	1256	1254	1252	1253	580
35°	1138	1138	1135	1134	1133	711
45°	925	927	928	926	921	708
55°	611	597	589	597	607	547
65°	333	321	315	320	331	333
75°	136	133	128	130	131	145
85°	22	22	22	21	21	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1342.7	1342.7	1342.7	1342.7	1342.7
2.5°	1343.9	1341.8	1342.3	1342.3	1344.7
5°	1341.8	1340.2	1340.6	1340.2	1342.3
7.5°	1338.9	1337.3	1337.7	1337.3	1338.5
10°	1335.2	1333.5	1333.5	1332.7	1334.4
12.5°	1330.2	1328.1	1327.3	1326.9	1328.1
15°	1320.2	1319.0	1318.2	1317.3	1318.2
17.5°	1309.5	1307.4	1306.5	1304.9	1306.5
20°	1296.2	1293.3	1292.4	1291.2	1291.6
22.5°	1278.7	1276.2	1275.0	1272.9	1273.8
25°	1258.0	1255.5	1254.2	1252.2	1253.0
27.5°	1233.9	1232.2	1229.3	1227.7	1228.1
30°	1206.1	1204.4	1201.1	1200.3	1200.3
32.5°	1175.4	1173.3	1170.4	1169.5	1169.1
35°	1138.4	1138.0	1135.1	1134.3	1133.0
37.5°	1098.1	1097.3	1094.0	1093.1	1091.9
40°	1048.7	1047.9	1047.5	1045.8	1044.2
42.5°	991.4	992.7	993.5	990.2	986.9
45°	925.4	926.7	928.3	925.8	921.3
47.5°	848.2	853.2	850.7	852.3	847.8
50°	770.1	770.1	766.0	767.7	765.2
52.5°	688.4	681.7	676.7	680.1	683.4
55°	610.7	597.4	589.1	597.0	606.6
57.5°	536.4	520.6	505.3	517.7	529.3
60°	464.2	445.9	435.9	445.1	461.3
62.5°	395.7	382.4	372.4	379.5	393.2
65°	332.6	320.9	314.7	320.1	330.9
67.5°	274.8	267.0	260.7	265.3	273.6
70°	222.5	220.5	213.4	215.5	220.5
72.5°	174.8	174.4	168.1	169.8	172.7
75°	136.2	133.3	127.5	129.5	130.8
77.5°	96.3	97.6	92.2	93.4	93.4
80°	66.0	68.1	63.9	63.1	63.5
82.5°	41.9	41.9	41.5	41.1	39.9
85°	21.6	22.4	21.6	20.8	20.8
87.5°	8.3	8.3	8.3	7.9	7.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)