

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: P413065

Luminaire Tested: **22PD-35-PC3-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413065
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-35-PC3-L835
Description: 3500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

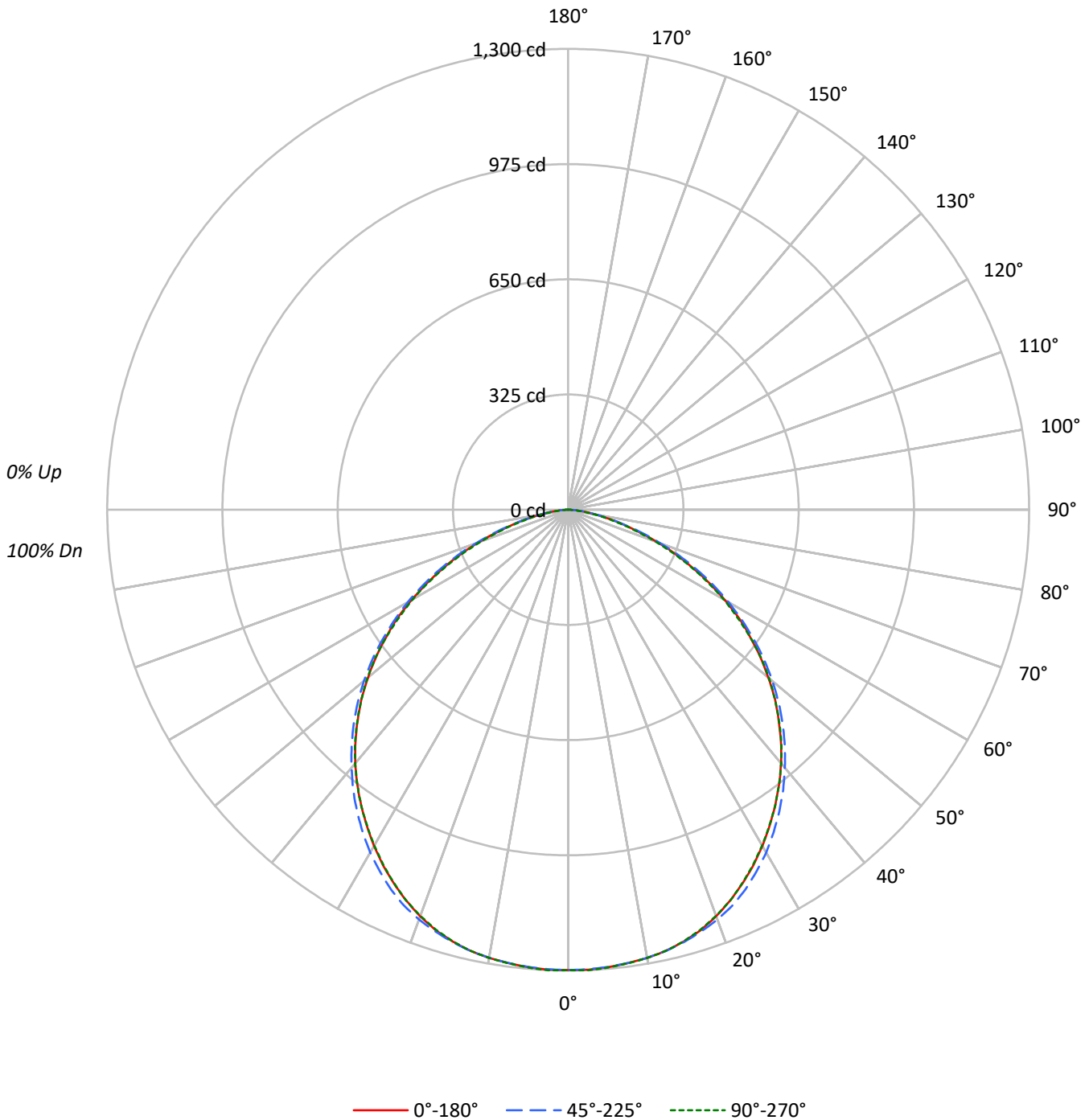
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3489.0 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
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 (A_{in}): 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	110	105	101	97	107	103	99	96	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	38	34		44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3495	3495	3495
5°	3499	3497	3502
10°	3508	3507	3508
15°	3512	3517	3511
20°	3495	3523	3492
25°	3454	3510	3451
30°	3403	3470	3397
35°	3344	3410	3344
40°	3281	3339	3281
45°	3194	3257	3199
50°	3085	3146	3097
55°	2942	3000	2942
60°	2743	2813	2725
65°	2462	2549	2430
70°	2106	2181	2044
75°	1671	1718	1585
80°	1196	1241	1139
85°	790	815	741



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.2	3.5
10°-20°	355.9	10.2
20°-30°	540.0	15.5
30°-40°	644.9	18.5
40°-50°	655.8	18.8
50°-60°	567.3	16.3
60°-70°	390.4	11.2
70°-80°	177.2	5.1
80°-90°	34.3	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°	1019.2	29.2
0°-40°	1664.0	47.7
0°-60°	2887.2	82.8
0°-90°	3489.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3489.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1299	1299	1299	1299	1299	
5°	1295	1294	1295	1295	1296	123
15°	1261	1262	1262	1260	1260	356
25°	1163	1174	1182	1172	1162	536
35°	1018	1036	1038	1034	1018	637
45°	839	855	856	855	841	647
55°	627	638	640	638	627	560
65°	387	397	400	397	382	384
75°	161	167	165	164	152	173
85°	26	27	26	26	24	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1298.7	1298.7	1298.7	1298.7	1298.7
2.5°	1298.7	1297.1	1297.5	1297.9	1300.4
5°	1295.4	1294.2	1294.6	1294.6	1296.3
7.5°	1290.1	1289.7	1289.7	1289.2	1290.5
10°	1283.9	1283.0	1283.5	1283.0	1283.9
12.5°	1274.4	1274.4	1274.8	1273.5	1274.4
15°	1260.7	1261.6	1262.4	1260.3	1260.3
17.5°	1243.4	1245.5	1247.5	1243.8	1241.7
20°	1220.3	1225.2	1230.2	1224.4	1219.4
22.5°	1193.4	1201.7	1209.1	1200.0	1193.4
25°	1163.2	1173.6	1182.2	1171.5	1162.4
27.5°	1130.6	1142.2	1150.4	1141.4	1129.0
30°	1095.1	1109.1	1116.6	1107.9	1093.4
32.5°	1057.1	1073.6	1078.2	1072.8	1056.3
35°	1017.8	1036.0	1038.1	1034.4	1017.8
37.5°	976.9	994.3	995.9	993.9	976.9
40°	934.0	950.1	950.5	950.5	934.0
42.5°	888.1	903.8	903.8	903.4	889.4
45°	839.4	854.7	855.9	855.1	840.6
47.5°	791.1	802.6	804.7	803.0	790.2
50°	736.9	748.9	751.4	749.7	739.8
52.5°	683.2	694.4	696.9	695.6	684.5
55°	627.1	637.8	639.5	638.2	627.1
57.5°	572.9	580.0	581.6	579.1	565.1
60°	509.7	519.7	522.6	519.7	506.4
62.5°	448.6	459.4	461.8	457.7	443.7
65°	386.6	397.4	400.3	397.0	381.7
67.5°	328.0	335.8	338.3	334.6	320.6
70°	267.7	277.6	277.2	272.2	259.8
72.5°	208.2	221.8	219.3	216.5	202.8
75°	160.7	166.9	165.2	163.6	152.4
77.5°	114.8	122.3	118.1	118.6	109.1
80°	77.2	84.3	80.1	78.5	73.5
82.5°	49.2	52.0	51.2	50.4	45.9
85°	25.6	27.3	26.4	25.6	24.0
87.5°	9.9	10.7	9.9	9.9	9.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)