

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: P413067

Luminaire Tested: **22PD-35-PC3-L850**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413067
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-L850
Description: 3500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

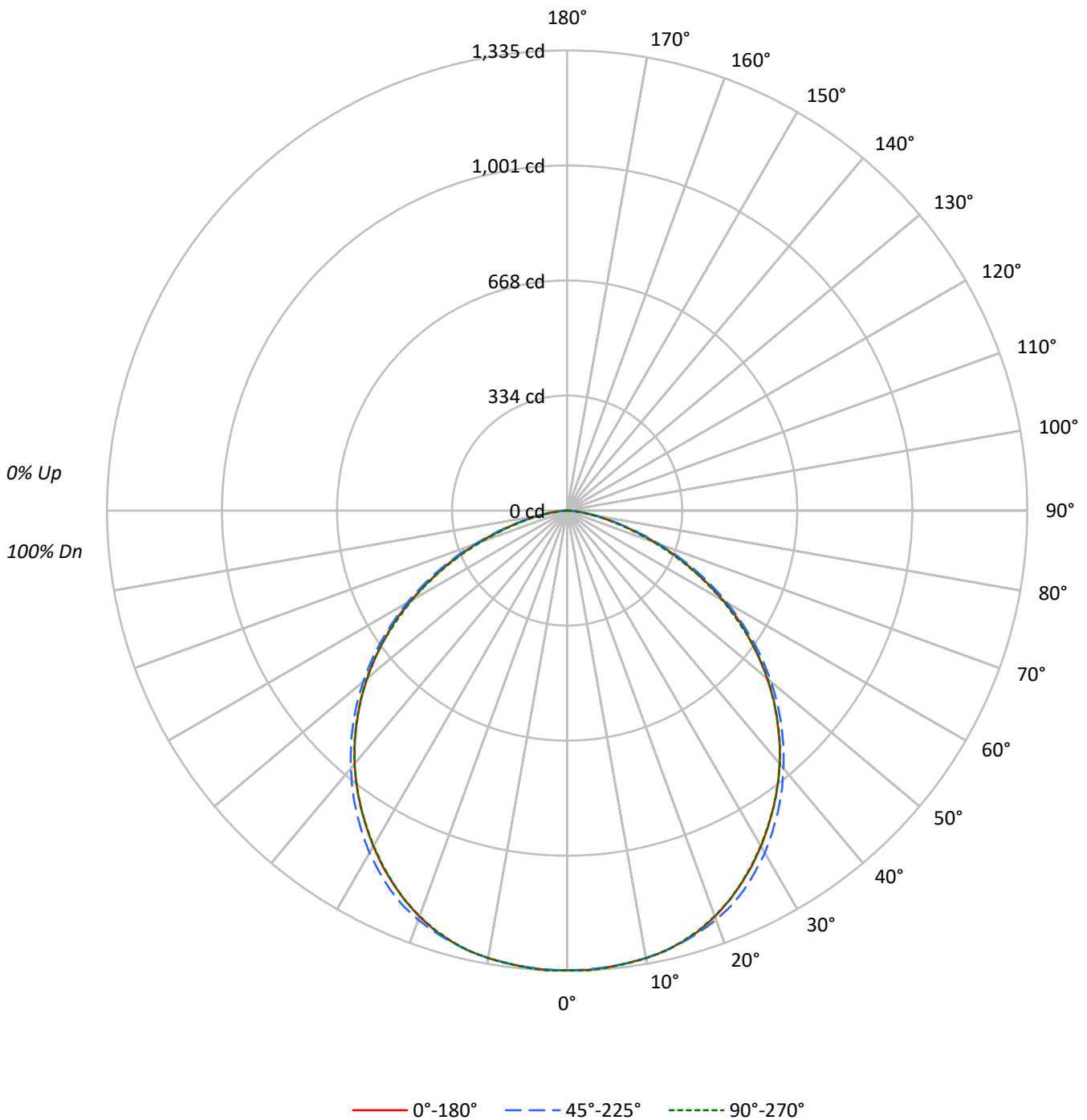
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3583.0 lumens
Efficiency: N/A
Efficacy: 122.7 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 (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	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°	3589	3589	3589
5°	3593	3591	3596
10°	3603	3601	3603
15°	3607	3612	3606
20°	3588	3618	3586
25°	3547	3605	3544
30°	3494	3563	3489
35°	3434	3502	3434
40°	3369	3429	3369
45°	3280	3345	3285
50°	3168	3230	3181
55°	3021	3081	3021
60°	2817	2888	2799
65°	2528	2618	2496
70°	2163	2239	2099
75°	1716	1764	1627
80°	1229	1275	1170
85°	812	837	760



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.5	3.5
10°-20°	365.5	10.2
20°-30°	554.5	15.5
30°-40°	662.3	18.5
40°-50°	673.5	18.8
50°-60°	582.6	16.3
60°-70°	400.9	11.2
70°-80°	181.9	5.1
80°-90°	35.2	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°	1046.6	29.2
0°-40°	1708.9	47.7
0°-60°	2965.0	82.8
0°-90°	3583.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3583.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1334	1334	1334	1334	1334	
5°	1330	1329	1330	1330	1331	127
15°	1295	1296	1296	1294	1294	365
25°	1195	1205	1214	1203	1194	550
35°	1045	1064	1066	1062	1045	654
45°	862	878	879	878	863	665
55°	644	655	657	655	644	575
65°	397	408	411	408	392	394
75°	165	171	170	168	156	177
85°	26	28	27	26	25	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1333.7	1333.7	1333.7	1333.7	1333.7
2.5°	1333.7	1332.0	1332.5	1332.9	1335.4
5°	1330.3	1329.1	1329.5	1329.5	1331.2
7.5°	1324.8	1324.4	1324.4	1324.0	1325.2
10°	1318.5	1317.6	1318.0	1317.6	1318.5
12.5°	1308.7	1308.7	1309.1	1307.9	1308.7
15°	1294.7	1295.6	1296.4	1294.3	1294.3
17.5°	1276.9	1279.0	1281.1	1277.3	1275.2
20°	1253.1	1258.2	1263.3	1257.4	1252.3
22.5°	1225.6	1234.0	1241.7	1232.3	1225.6
25°	1194.6	1205.2	1214.1	1203.1	1193.7
27.5°	1161.1	1173.0	1181.4	1172.1	1159.4
30°	1124.6	1139.0	1146.7	1137.7	1122.9
32.5°	1085.6	1102.5	1107.2	1101.7	1084.7
35°	1045.3	1063.9	1066.1	1062.2	1045.3
37.5°	1003.3	1021.1	1022.8	1020.7	1003.3
40°	959.1	975.7	976.1	976.1	959.1
42.5°	912.1	928.2	928.2	927.8	913.3
45°	862.0	877.7	879.0	878.1	863.3
47.5°	812.4	824.2	826.4	824.7	811.5
50°	756.8	769.1	771.6	769.9	759.8
52.5°	701.7	713.1	715.6	714.4	702.9
55°	644.0	655.0	656.7	655.4	644.0
57.5°	588.4	595.6	597.3	594.7	580.3
60°	523.5	533.7	536.6	533.7	520.1
62.5°	460.7	471.7	474.3	470.0	455.6
65°	397.1	408.1	411.1	407.7	392.0
67.5°	336.8	344.9	347.4	343.6	329.2
70°	274.9	285.1	284.6	279.6	266.8
72.5°	213.8	227.8	225.3	222.3	208.3
75°	165.0	171.4	169.7	168.0	156.5
77.5°	117.9	125.6	121.3	121.7	112.0
80°	79.3	86.5	82.3	80.6	75.5
82.5°	50.5	53.5	52.6	51.8	47.1
85°	26.3	28.0	27.1	26.3	24.6
87.5°	10.2	11.0	10.2	10.2	9.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)