

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: P412372

Luminaire Tested: **22PD-30-PB1-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412372
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-30-PB1-L835
Description: 3000 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

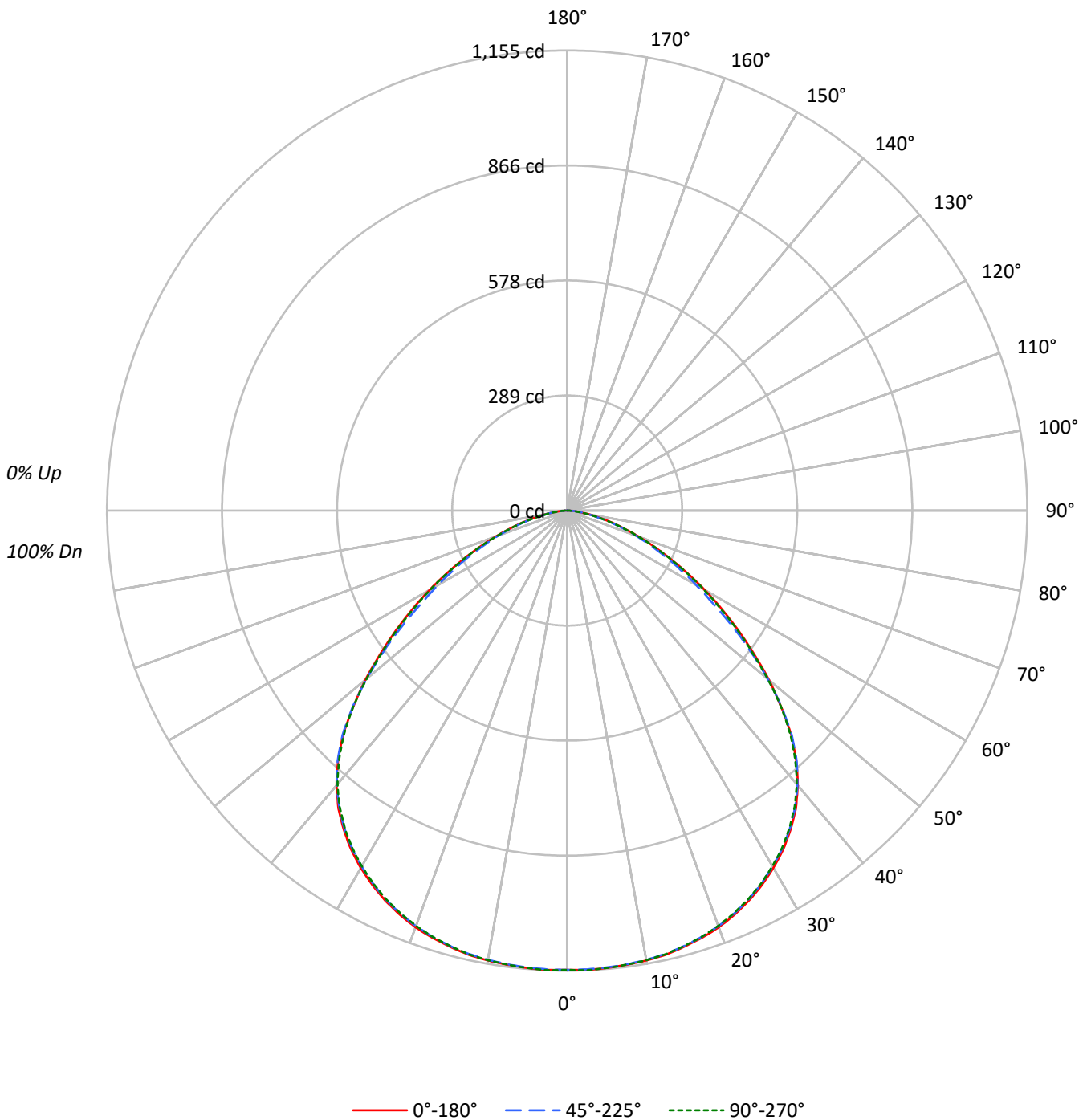
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3027.0 lumens
Efficiency: N/A
Efficacy: 121.6 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): 24.9
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°	3103	3103	3103
5°	3113	3110	3113
10°	3133	3129	3131
15°	3158	3153	3153
20°	3188	3178	3176
25°	3208	3198	3195
30°	3218	3205	3203
35°	3211	3202	3196
40°	3164	3160	3150
45°	3024	3034	3011
50°	2768	2754	2751
55°	2460	2373	2444
60°	2145	2014	2132
65°	1819	1720	1809
70°	1504	1442	1489
75°	1215	1138	1168
80°	879	851	845
85°	571	571	550



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.7	3.6
10°-20°	320.0	10.6
20°-30°	496.5	16.4
30°-40°	608.8	20.1
40°-50°	608.6	20.1
50°-60°	461.0	15.2
60°-70°	276.5	9.1
70°-80°	121.7	4.0
80°-90°	24.1	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°	926.1	30.6
0°-40°	1535.0	50.7
0°-60°	2604.6	86.0
0°-90°	3027.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3027.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1153	1153	1153	1153	1153	
5°	1152	1151	1151	1151	1153	110
15°	1134	1133	1132	1131	1132	321
25°	1080	1078	1077	1075	1076	498
35°	978	977	975	974	973	611
45°	795	796	797	795	791	608
55°	524	513	506	513	521	470
65°	286	276	270	275	284	286
75°	117	114	110	111	112	125
85°	18	19	18	18	18	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1153.0	1153.0	1153.0	1153.0	<i>1153.0</i>
2.5°	<i>1154.1</i>	<i>1152.3</i>	<i>1152.6</i>	<i>1152.6</i>	<i>1154.8</i>
5°	1152.3	1150.8	1151.2	1150.8	<i>1152.6</i>
7.5°	1149.8	1148.3	1148.7	1148.3	<i>1149.4</i>
10°	1146.6	1145.1	1145.1	1144.4	<i>1145.9</i>
12.5°	1142.3	1140.5	1139.8	1139.4	<i>1140.5</i>
15°	1133.7	1132.7	1131.9	1131.2	<i>1131.9</i>
17.5°	1124.5	1122.7	1122.0	1120.5	<i>1122.0</i>
20°	1113.1	1110.6	1109.8	1108.8	<i>1109.1</i>
22.5°	1098.1	1095.9	1094.9	1093.1	<i>1093.8</i>
25°	1080.3	1078.1	1077.0	1075.3	<i>1076.0</i>
27.5°	1059.6	1058.1	1055.7	1054.2	<i>1054.6</i>
30°	1035.7	1034.3	1031.4	1030.7	<i>1030.7</i>
32.5°	1009.3	1007.5	1005.0	1004.3	<i>1004.0</i>
35°	977.6	977.2	974.7	974.0	<i>972.9</i>
37.5°	943.0	942.3	939.4	938.7	<i>937.6</i>
40°	900.6	899.9	899.5	898.1	<i>896.6</i>
42.5°	851.4	852.4	853.1	850.3	<i>847.4</i>
45°	794.7	795.7	797.2	795.0	<i>791.1</i>
47.5°	728.4	732.6	730.5	731.9	<i>728.0</i>
50°	661.3	661.3	657.8	659.2	<i>657.1</i>
52.5°	591.1	585.4	581.1	584.0	<i>586.8</i>
55°	524.4	513.0	505.9	512.7	<i>520.9</i>
57.5°	460.6	447.1	433.9	444.6	<i>454.6</i>
60°	398.6	382.9	374.3	382.2	<i>396.1</i>
62.5°	339.8	328.4	319.8	325.9	<i>337.6</i>
65°	285.6	275.6	270.2	274.9	<i>284.1</i>
67.5°	236.0	229.2	223.9	227.8	<i>234.9</i>
70°	191.1	189.3	183.3	185.0	<i>189.3</i>
72.5°	150.1	149.7	144.4	145.8	<i>148.3</i>
75°	116.9	114.4	109.5	111.2	<i>112.3</i>
77.5°	82.7	83.8	79.1	80.2	<i>80.2</i>
80°	56.7	58.5	54.9	54.2	<i>54.5</i>
82.5°	36.0	36.0	35.7	35.3	<i>34.2</i>
85°	18.5	19.3	18.5	17.8	<i>17.8</i>
87.5°	7.1	7.1	7.1	6.8	<i>6.4</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)