

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: P412696

Luminaire Tested: **22PD-20-PP3-L835**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412696
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-20-PP3-L835
Description: 2000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

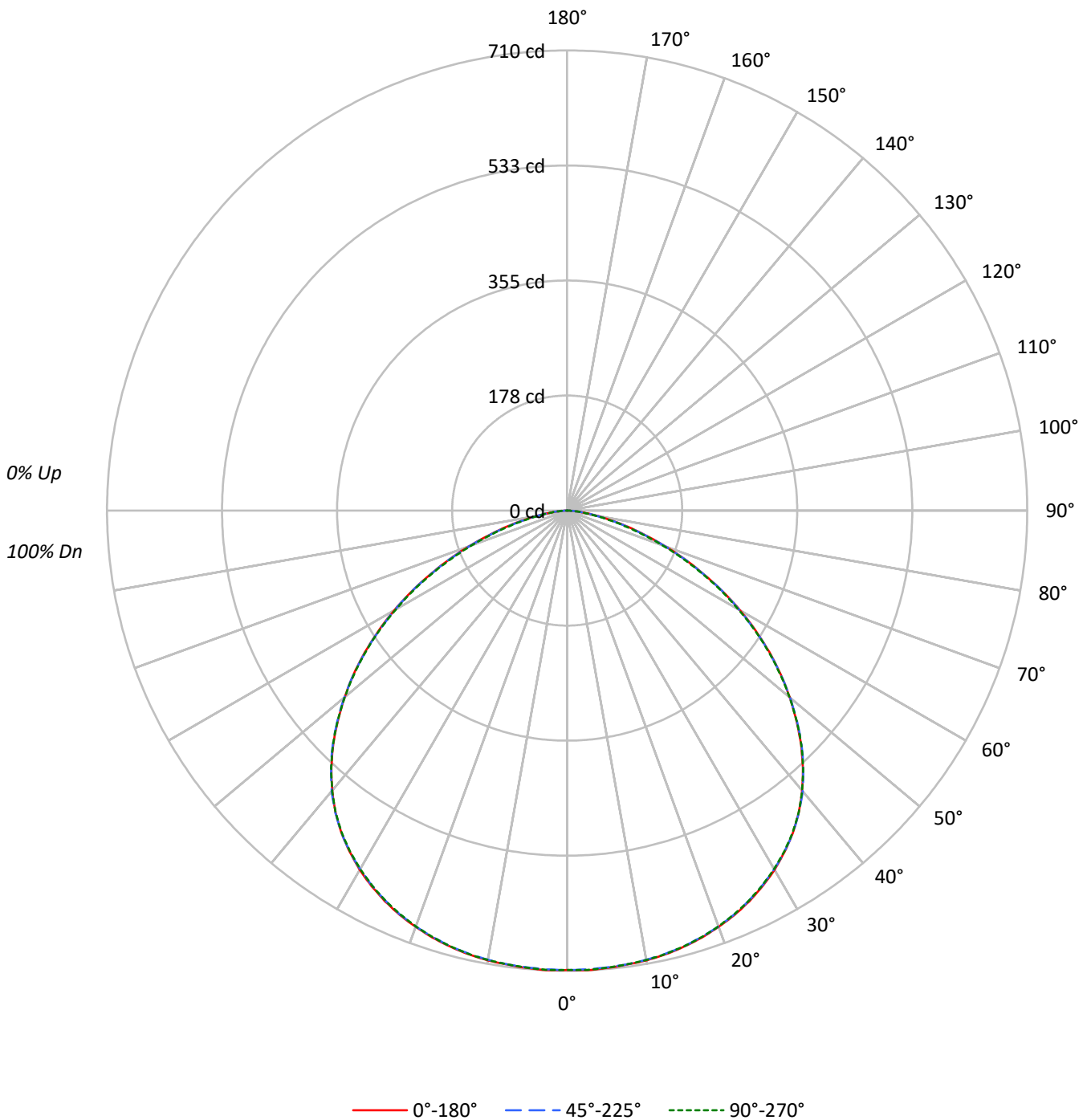
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2034.0 lumens
Efficiency: N/A
Efficacy: 120.4 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): 16.9
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	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°	1908	1908	1908
5°	1914	1911	1912
10°	1926	1923	1924
15°	1941	1939	1939
20°	1958	1956	1955
25°	1975	1972	1972
30°	1989	1985	1984
35°	1995	1995	1992
40°	1982	1986	1982
45°	1942	1948	1945
50°	1877	1880	1875
55°	1787	1782	1779
60°	1659	1655	1642
65°	1482	1480	1463
70°	1267	1259	1231
75°	1010	979	950
80°	719	704	668
85°	466	466	454



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.4	3.3
10°-20°	196.7	9.7
20°-30°	306.2	15.1
30°-40°	379.0	18.6
40°-50°	393.0	19.3
50°-60°	338.7	16.7
60°-70°	230.3	11.3
70°-80°	103.1	5.1
80°-90°	19.6	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°	570.3	28.0
0°-40°	949.3	46.7
0°-60°	1681.0	82.6
0°-90°	2034.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2034.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	709	709	709	709	709	
5°	708	707	708	707	708	68
15°	697	695	696	695	696	197
25°	665	664	664	664	664	307
35°	607	606	607	606	606	379
45°	510	510	512	511	511	393
55°	381	379	380	379	379	340
65°	233	235	232	232	230	231
75°	97	97	94	94	91	104
85°	15	16	15	15	15	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	708.9	708.9	708.9	708.9	708.9
2.5°	709.9	708.5	708.5	708.7	709.4
5°	708.5	707.0	707.5	707.3	708.0
7.5°	706.6	705.4	706.1	705.6	706.1
10°	704.7	703.5	703.7	703.5	704.2
12.5°	701.4	699.9	700.4	700.4	700.7
15°	696.6	695.4	695.9	695.4	695.9
17.5°	690.9	689.5	689.8	689.5	690.0
20°	683.6	682.7	682.9	682.4	682.7
22.5°	675.3	674.1	674.4	673.9	673.9
25°	665.1	664.2	664.0	663.7	664.0
27.5°	653.3	652.1	652.1	651.9	651.9
30°	640.1	638.9	638.9	638.6	638.6
32.5°	624.4	624.0	624.2	623.7	623.5
35°	607.2	606.4	607.2	606.2	606.4
37.5°	587.0	586.1	587.5	586.6	586.8
40°	564.1	563.6	565.3	564.5	564.1
42.5°	538.5	538.5	539.2	539.5	539.0
45°	510.3	509.9	511.8	510.6	511.1
47.5°	480.0	479.3	480.8	480.5	480.3
50°	448.3	447.9	449.0	447.9	447.9
52.5°	415.4	415.2	415.4	414.2	414.0
55°	380.9	379.4	379.9	379.2	379.2
57.5°	344.9	343.2	343.5	343.2	343.5
60°	308.2	307.7	307.5	306.3	305.1
62.5°	270.6	271.0	270.8	269.1	268.0
65°	232.7	234.6	232.4	231.7	229.8
67.5°	196.9	197.7	196.2	194.6	192.4
70°	161.0	162.4	160.0	158.4	156.5
72.5°	126.6	127.6	125.5	124.5	122.1
75°	97.1	97.3	94.2	93.7	91.4
77.5°	69.1	70.1	67.7	67.7	65.3
80°	46.4	48.1	45.4	44.7	43.1
82.5°	29.1	29.4	28.6	27.9	27.2
85°	15.1	15.6	15.1	14.7	14.7
87.5°	5.7	5.9	5.7	5.4	5.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)