

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: P412700

Luminaire Tested: **22PD-20-PP3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412700
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-L930
Description: 2000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

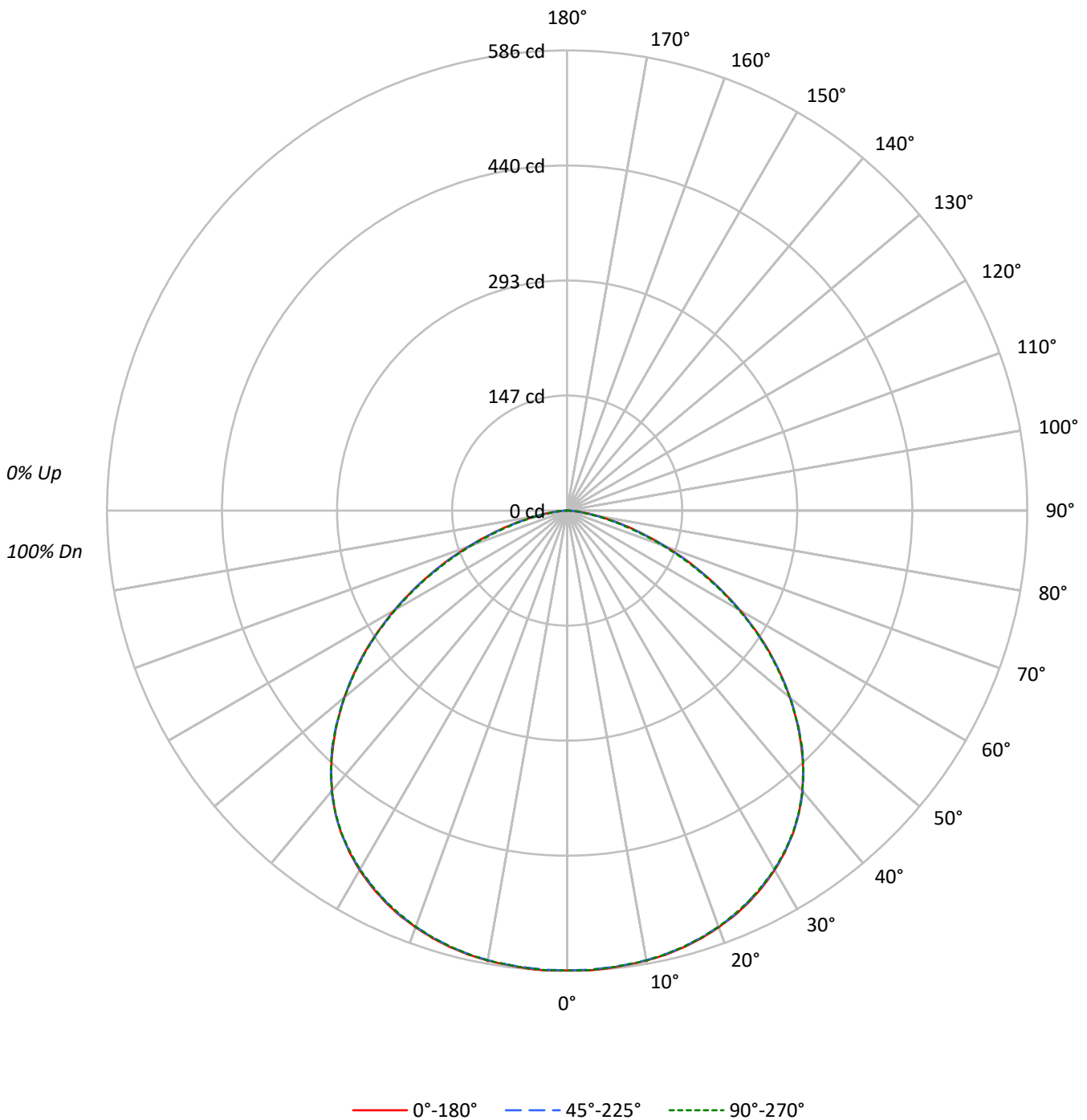
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1680.0 lumens
Efficiency: N/A
Efficacy: 99.4 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 (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	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	51	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°	1576	1576	1576
5°	1581	1579	1580
10°	1590	1588	1589
15°	1603	1601	1601
20°	1617	1615	1615
25°	1631	1628	1628
30°	1643	1640	1639
35°	1647	1647	1645
40°	1637	1640	1637
45°	1604	1609	1606
50°	1550	1553	1549
55°	1476	1472	1469
60°	1370	1367	1356
65°	1224	1223	1209
70°	1046	1040	1017
75°	834	809	785
80°	594	581	552
85°	386	386	374



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.7	3.3
10°-20°	162.4	9.7
20°-30°	252.9	15.1
30°-40°	313.0	18.6
40°-50°	324.6	19.3
50°-60°	279.8	16.7
60°-70°	190.2	11.3
70°-80°	85.1	5.1
80°-90°	16.2	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°	471.0	28.0
0°-40°	784.1	46.7
0°-60°	1388.5	82.6
0°-90°	1680.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1680.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	586	586	586	586	586	
5°	585	584	584	584	585	56
15°	575	574	575	574	575	163
25°	549	549	548	548	548	253
35°	502	501	502	501	501	313
45°	422	421	423	422	422	324
55°	315	313	314	313	313	281
65°	192	194	192	191	190	191
75°	80	80	78	77	76	86
85°	12	13	12	12	12	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	585.6	585.6	585.6	585.6	585.6
2.5°	586.3	585.2	585.2	585.4	585.9
5°	585.2	584.0	584.4	584.2	584.8
7.5°	583.6	582.6	583.2	582.8	583.2
10°	582.0	581.1	581.3	581.1	581.6
12.5°	579.3	578.1	578.5	578.5	578.7
15°	575.4	574.4	574.8	574.4	574.8
17.5°	570.7	569.5	569.7	569.5	569.9
20°	564.6	563.9	564.0	563.7	563.9
22.5°	557.8	556.8	557.0	556.6	556.6
25°	549.4	548.6	548.4	548.2	548.4
27.5°	539.6	538.6	538.6	538.4	538.4
30°	528.7	527.7	527.7	527.5	527.5
32.5°	515.8	515.4	515.6	515.2	515.0
35°	501.5	500.9	501.5	500.7	500.9
37.5°	484.9	484.1	485.3	484.5	484.7
40°	465.9	465.5	466.9	466.3	465.9
42.5°	444.8	444.8	445.4	445.6	445.2
45°	421.5	421.1	422.7	421.7	422.1
47.5°	396.5	395.9	397.1	396.9	396.7
50°	370.3	369.9	370.9	369.9	369.9
52.5°	343.1	342.9	343.1	342.1	341.9
55°	314.6	313.4	313.8	313.2	313.2
57.5°	284.9	283.5	283.7	283.5	283.7
60°	254.6	254.2	254.0	253.0	252.0
62.5°	223.5	223.9	223.7	222.3	221.3
65°	192.2	193.8	192.0	191.4	189.8
67.5°	162.7	163.3	162.1	160.7	159.0
70°	132.9	134.1	132.2	130.8	129.2
72.5°	104.6	105.4	103.6	102.8	100.9
75°	80.2	80.4	77.8	77.4	75.5
77.5°	57.1	57.9	55.9	55.9	54.0
80°	38.3	39.7	37.5	37.0	35.6
82.5°	24.0	24.2	23.7	23.1	22.5
85°	12.5	12.9	12.5	12.1	12.1
87.5°	4.7	4.9	4.7	4.5	4.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)