

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: P412834

Luminaire Tested: **24PD-30-PP3-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412834
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-30-PP3-L927
Description: 3000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

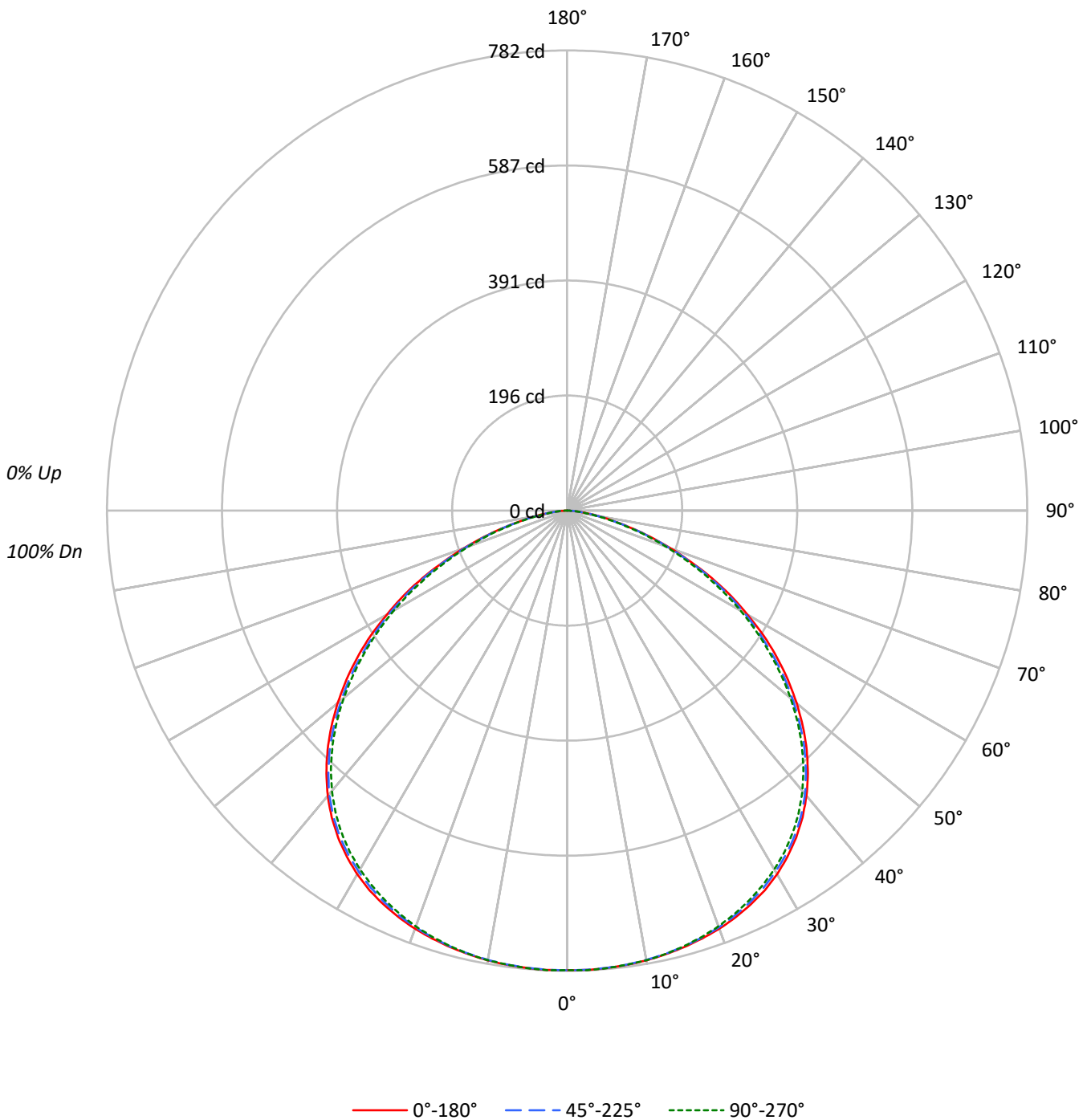
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2273.0 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 22
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	86	81	77	83	79	75	80	77	74	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	63	60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52
5	77	64	55	49	75	63	54	48	61	53	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	52	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	38	33	43	37	32	31
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27
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°	1051	1051	1051
5°	1054	1053	1054
10°	1060	1059	1060
15°	1070	1068	1068
20°	1083	1079	1077
25°	1096	1091	1086
30°	1109	1101	1094
35°	1114	1108	1098
40°	1111	1105	1092
45°	1096	1085	1073
50°	1065	1048	1037
55°	1021	997	984
60°	952	935	916
65°	863	845	821
70°	736	723	700
75°	575	569	542
80°	424	407	384
85°	256	256	238



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.3	3.3
10°-20°	216.9	9.5
20°-30°	339.0	14.9
30°-40°	421.3	18.5
40°-50°	438.9	19.3
50°-60°	380.9	16.8
60°-70°	261.9	11.5
70°-80°	118.2	5.2
80°-90°	21.7	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°	630.2	27.7
0°-40°	1051.4	46.3
0°-60°	1871.2	82.3
0°-90°	2273.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2273.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	781	781	781	781	781	
5°	780	780	780	779	780	74
15°	768	768	767	766	766	217
25°	738	738	735	732	731	341
35°	678	678	674	670	668	424
45°	576	576	570	566	564	443
55°	435	433	425	420	420	388
65°	271	270	266	259	258	267
75°	111	111	110	106	104	120
85°	17	16	17	16	15	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	781.2	781.2	781.2	781.2	781.2
2.5°	781.4	781.4	780.9	780.3	781.8
5°	780.3	780.5	780.0	779.3	780.5
7.5°	778.7	778.9	778.2	777.5	778.4
10°	776.2	775.9	775.3	774.8	775.9
12.5°	772.5	772.3	771.6	771.2	772.1
15°	768.0	768.0	766.9	766.2	766.4
17.5°	762.5	762.5	760.9	759.4	759.8
20°	756.2	756.0	753.7	752.1	751.9
22.5°	748.2	748.2	745.0	743.0	742.3
25°	738.5	738.2	734.6	731.6	731.2
27.5°	727.3	726.9	722.6	719.6	718.5
30°	713.5	713.0	708.5	705.3	703.9
32.5°	697.1	697.8	692.6	688.9	687.6
35°	678.5	678.5	674.4	670.5	668.3
37.5°	657.1	657.1	653.3	649.4	646.7
40°	632.8	633.1	629.0	624.2	621.9
42.5°	605.6	606.0	600.6	596.7	594.2
45°	575.8	576.0	570.1	565.8	563.8
47.5°	543.6	543.1	536.5	532.9	530.8
50°	509.0	508.1	500.9	497.5	495.6
52.5°	472.9	471.1	464.7	459.7	458.2
55°	435.4	432.9	425.0	420.0	419.5
57.5°	396.4	393.4	386.8	382.1	380.2
60°	353.7	353.0	347.5	341.9	340.5
62.5°	313.7	311.6	306.9	300.1	299.4
65°	271.0	269.9	265.5	259.2	257.8
67.5°	226.9	228.1	224.4	218.7	216.9
70°	187.2	187.9	183.8	178.5	177.9
72.5°	147.2	148.3	144.9	141.5	140.8
75°	110.6	111.1	109.5	106.5	104.3
77.5°	78.6	80.2	78.4	76.3	74.5
80°	54.7	52.2	52.5	51.6	49.5
82.5°	32.9	31.8	31.6	30.7	29.8
85°	16.6	16.4	16.6	16.4	15.4
87.5°	5.5	5.9	6.1	6.1	5.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)