

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: P412710

Luminaire Tested: **22PD-25-PP3-L935**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412710
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-25-PP3-L935
Description: 2500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS
Light Source: -
Ballast/Driver: -

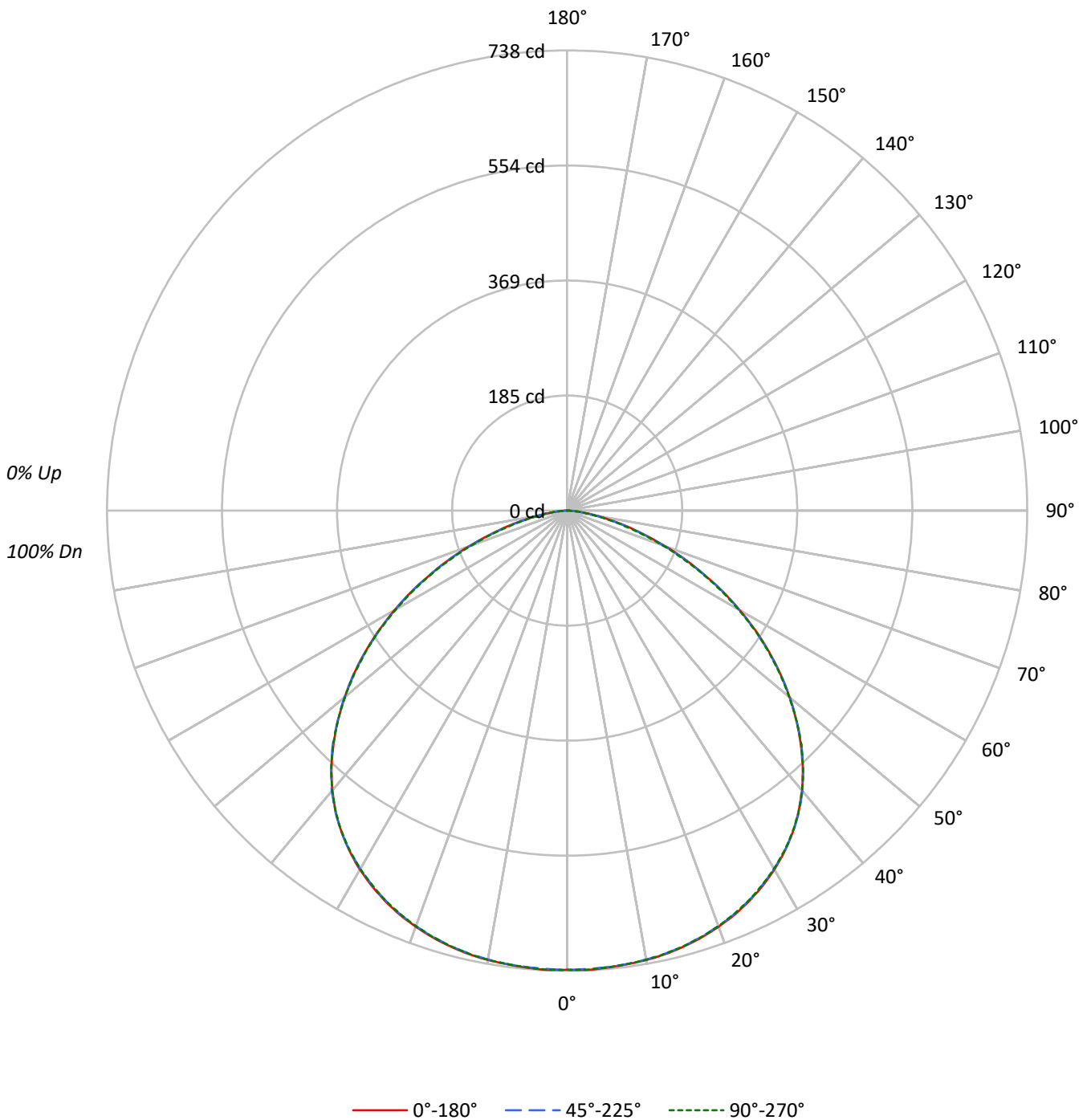
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2113.0 lumens
Efficiency: N/A
Efficacy: 103.6 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): 20.4
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	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°	1982	1982	1982
5°	1988	1985	1987
10°	2000	1998	1999
15°	2016	2014	2014
20°	2034	2031	2031
25°	2052	2048	2048
30°	2066	2062	2061
35°	2072	2072	2070
40°	2059	2063	2059
45°	2018	2023	2020
50°	1950	1953	1948
55°	1856	1852	1848
60°	1723	1719	1706
65°	1539	1538	1521
70°	1316	1308	1279
75°	1048	1018	987
80°	747	731	694
85°	485	485	469



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.0	3.3
10°-20°	204.3	9.7
20°-30°	318.1	15.1
30°-40°	393.7	18.6
40°-50°	408.3	19.3
50°-60°	351.9	16.7
60°-70°	239.2	11.3
70°-80°	107.1	5.1
80°-90°	20.4	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°	592.5	28.0
0°-40°	986.2	46.7
0°-60°	1746.3	82.6
0°-90°	2113.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2113.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	736	736	736	736	736	
5°	736	734	735	735	736	70
15°	724	722	723	722	723	205
25°	691	690	690	690	690	319
35°	631	630	631	630	630	394
45°	530	530	532	530	531	408
55°	396	394	395	394	394	353
65°	242	244	242	241	239	240
75°	101	101	98	97	95	108
85°	16	16	16	15	15	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	736.5	736.5	736.5	736.5	736.5
2.5°	737.5	736.0	736.0	736.2	737.0
5°	736.0	734.5	735.0	734.8	735.5
7.5°	734.0	732.8	733.5	733.0	733.5
10°	732.0	730.8	731.1	730.8	731.6
12.5°	728.6	727.1	727.6	727.6	727.9
15°	723.7	722.5	723.0	722.5	723.0
17.5°	717.8	716.3	716.6	716.3	716.8
20°	710.2	709.2	709.4	708.9	709.2
22.5°	701.6	700.3	700.6	700.1	700.1
25°	691.0	690.0	689.8	689.5	689.8
27.5°	678.7	677.5	677.5	677.2	677.2
30°	664.9	663.7	663.7	663.4	663.4
32.5°	648.7	648.2	648.4	648.0	647.7
35°	630.7	630.0	630.7	629.8	630.0
37.5°	609.8	608.9	610.3	609.3	609.6
40°	586.0	585.5	587.2	586.5	586.0
42.5°	559.4	559.4	560.2	560.4	559.9
45°	530.2	529.7	531.6	530.4	530.9
47.5°	498.7	498.0	499.4	499.2	498.9
50°	465.7	465.2	466.5	465.2	465.2
52.5°	431.6	431.3	431.6	430.3	430.1
55°	395.7	394.2	394.7	393.9	393.9
57.5°	358.3	356.6	356.8	356.6	356.8
60°	320.2	319.7	319.4	318.2	317.0
62.5°	281.1	281.6	281.3	279.6	278.4
65°	241.7	243.7	241.5	240.7	238.8
67.5°	204.6	205.3	203.9	202.1	199.9
70°	167.2	168.7	166.2	164.5	162.5
72.5°	131.6	132.5	130.3	129.3	126.9
75°	100.8	101.1	97.9	97.4	94.9
77.5°	71.8	72.8	70.3	70.3	67.9
80°	48.2	49.9	47.2	46.5	44.8
82.5°	30.2	30.5	29.8	29.0	28.3
85°	15.7	16.2	15.7	15.2	15.2
87.5°	5.9	6.1	5.9	5.7	5.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)