

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: P412708

Luminaire Tested: **22PD-25-PP3-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412708
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-L927
Description: 2500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

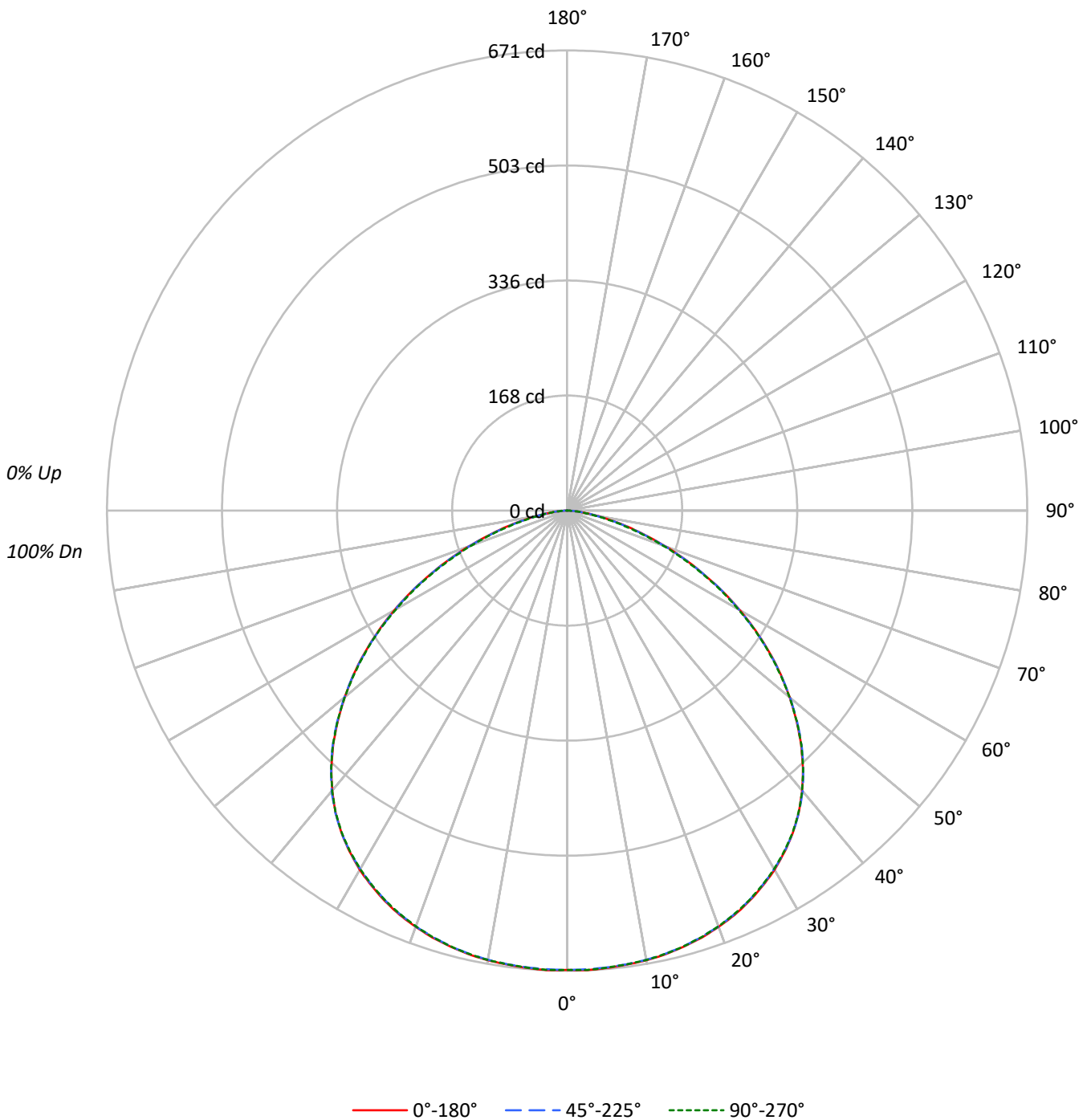
Lumens per Lamp: N/A
Luminaire Lumens: 1922.0 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (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

TEST NUMBER: P412708

CATALOG NUMBER: 22PD-25-PP3-L927

Luminous Intensity Polar Plot





TEST NUMBER: P412708

CATALOG NUMBER: 22PD-25-PP3-L927

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°	1803	1803	1803
5°	1808	1806	1807
10°	1820	1817	1818
15°	1834	1832	1832
20°	1850	1848	1847
25°	1866	1863	1863
30°	1879	1876	1875
35°	1885	1885	1883
40°	1872	1876	1872
45°	1835	1840	1838
50°	1773	1776	1772
55°	1688	1684	1681
60°	1567	1564	1552
65°	1400	1398	1383
70°	1197	1190	1163
75°	953	925	897
80°	679	665	631
85°	442	442	429



TEST NUMBER: P412708

CATALOG NUMBER: 22PD-25-PP3-L927

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.7	3.3
10°-20°	185.8	9.7
20°-30°	289.4	15.1
30°-40°	358.1	18.6
40°-50°	371.4	19.3
50°-60°	320.1	16.7
60°-70°	217.6	11.3
70°-80°	97.4	5.1
80°-90°	18.5	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°	538.9	28.0
0°-40°	897.0	46.7
0°-60°	1588.5	82.6
0°-90°	1922.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1922.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	670	670	670	670	670	
5°	670	668	669	668	669	64
15°	658	657	658	657	658	186
25°	628	628	627	627	627	290
35°	574	573	574	573	573	358
45°	482	482	484	482	483	371
55°	360	358	359	358	358	321
65°	220	222	220	219	217	218
75°	92	92	89	89	86	99
85°	14	15	14	14	14	19
90°	0	0	0	0	0	



TEST NUMBER: P412708

CATALOG NUMBER: 22PD-25-PP3-L927

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	669.9	669.9	669.9	669.9	669.9
2.5°	670.8	669.5	669.5	669.7	670.4
5°	669.5	668.1	668.6	668.3	669.0
7.5°	667.7	666.5	667.2	666.8	667.2
10°	665.9	664.8	665.0	664.8	665.4
12.5°	662.7	661.4	661.9	661.9	662.1
15°	658.3	657.2	657.6	657.2	657.6
17.5°	652.9	651.6	651.8	651.6	652.0
20°	646.0	645.1	645.3	644.9	645.1
22.5°	638.1	637.0	637.2	636.8	636.8
25°	628.5	627.6	627.4	627.2	627.4
27.5°	617.3	616.2	616.2	616.0	616.0
30°	604.8	603.7	603.7	603.5	603.5
32.5°	590.1	589.6	589.8	589.4	589.2
35°	573.7	573.1	573.7	572.8	573.1
37.5°	554.7	553.8	555.2	554.3	554.5
40°	533.0	532.6	534.1	533.5	533.0
42.5°	508.9	508.9	509.5	509.8	509.3
45°	482.2	481.8	483.6	482.5	482.9
47.5°	453.6	452.9	454.3	454.1	453.8
50°	423.6	423.2	424.3	423.2	423.2
52.5°	392.5	392.3	392.5	391.4	391.2
55°	359.9	358.5	359.0	358.3	358.3
57.5°	325.9	324.3	324.6	324.3	324.6
60°	291.2	290.8	290.6	289.4	288.3
62.5°	255.7	256.1	255.9	254.3	253.2
65°	219.9	221.7	219.6	219.0	217.2
67.5°	186.1	186.8	185.4	183.9	181.8
70°	152.1	153.4	151.2	149.6	147.8
72.5°	119.7	120.6	118.5	117.7	115.4
75°	91.7	91.9	89.0	88.6	86.3
77.5°	65.3	66.2	64.0	64.0	61.7
80°	43.8	45.4	42.9	42.3	40.7
82.5°	27.5	27.7	27.1	26.4	25.7
85°	14.3	14.8	14.3	13.9	13.9
87.5°	5.4	5.6	5.4	5.1	5.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)