

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: P412366

Luminaire Tested: **22PD-25-PB1-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412366
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-14)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22PD-25-PB1-L927
Description: 2500 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

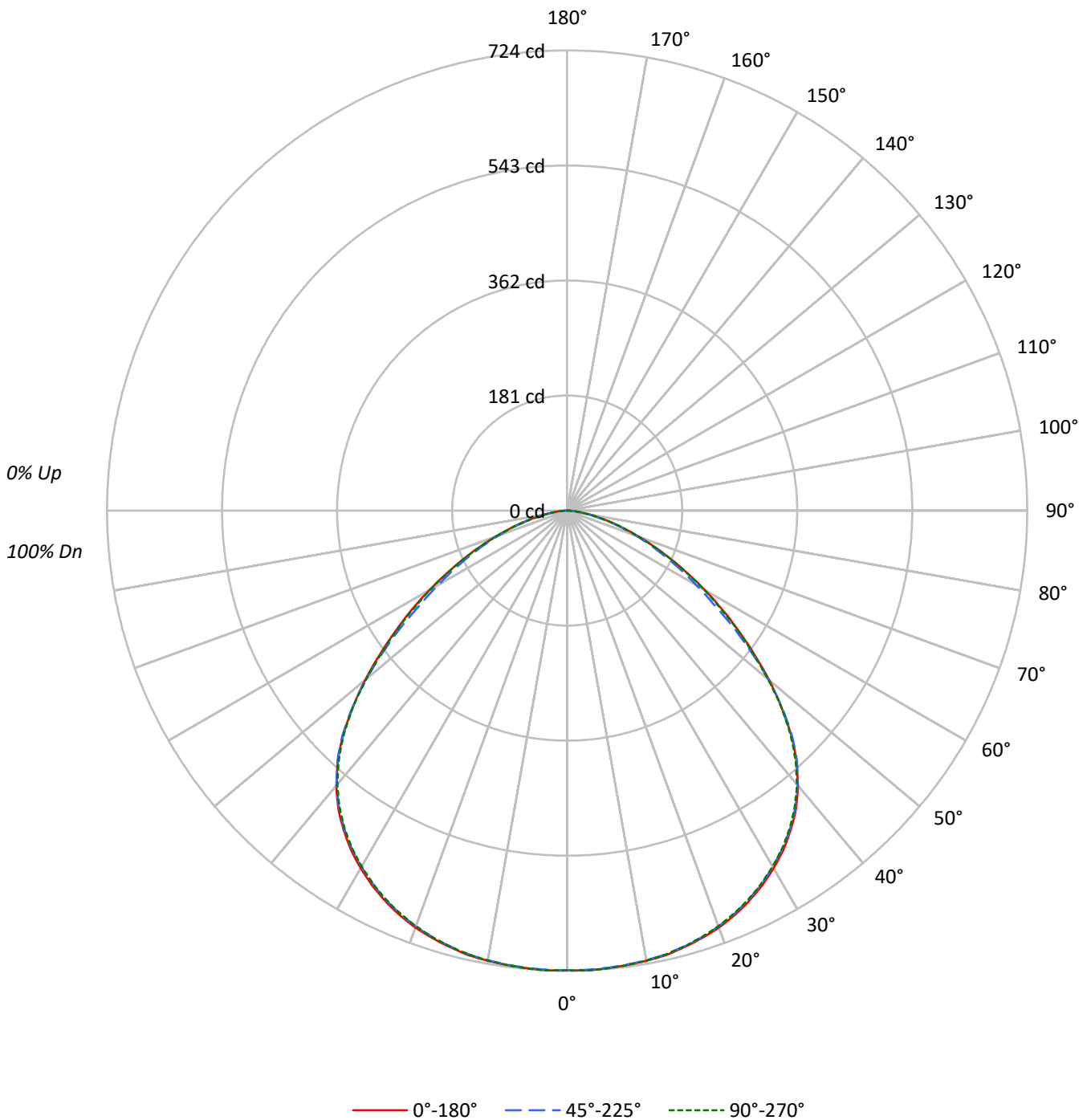
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1899.0 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.32 / 1.4
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

TEST NUMBER: P412366
CATALOG NUMBER: 22PD-25-PB1-L927

Luminous Intensity Polar Plot





TEST NUMBER: P412366

CATALOG NUMBER: 22PD-25-PB1-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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	76	73
3	92	83	75	69	90	81	74	68	78	72	67	76	70	66	73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	40	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	41	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1946	1946	1946
5°	1953	1951	1953
10°	1965	1963	1964
15°	1981	1978	1978
20°	2000	1994	1993
25°	2012	2006	2004
30°	2019	2011	2009
35°	2015	2009	2005
40°	1985	1982	1976
45°	1897	1903	1889
50°	1737	1728	1726
55°	1544	1489	1533
60°	1346	1264	1337
65°	1141	1079	1135
70°	943	905	935
75°	763	714	733
80°	552	533	530
85°	358	358	346



TEST NUMBER: P412366

CATALOG NUMBER: 22PD-25-PB1-L927

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.8	3.6
10°-20°	200.7	10.6
20°-30°	311.5	16.4
30°-40°	382.0	20.1
40°-50°	381.8	20.1
50°-60°	289.2	15.2
60°-70°	173.5	9.1
70°-80°	76.4	4.0
80°-90°	15.2	0.8
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°	581.0	30.6
0°-40°	963.0	50.7
0°-60°	1634.0	86.0
0°-90°	1899.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1899.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	723	723	723	723	723	
5°	723	722	722	722	723	69
15°	711	711	710	710	710	201
25°	678	676	676	675	675	312
35°	613	613	612	611	610	383
45°	498	499	500	499	496	382
55°	329	322	317	322	327	295
65°	179	173	170	172	178	179
75°	73	72	69	70	70	78
85°	12	12	12	11	11	15
90°	0	0	0	0	0	



TEST NUMBER: P412366

CATALOG NUMBER: 22PD-25-PB1-L927

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	723.3	723.3	723.3	723.3	723.3
2.5°	724.0	722.9	723.1	723.1	724.4
5°	722.9	722.0	722.2	722.0	723.1
7.5°	721.3	720.4	720.6	720.4	721.1
10°	719.3	718.4	718.4	718.0	718.9
12.5°	716.6	715.5	715.1	714.8	715.5
15°	711.2	710.6	710.1	709.7	710.1
17.5°	705.4	704.3	703.9	703.0	703.9
20°	698.3	696.7	696.3	695.6	695.8
22.5°	688.9	687.5	686.9	685.8	686.2
25°	677.7	676.4	675.7	674.6	675.0
27.5°	664.7	663.8	662.3	661.4	661.6
30°	649.7	648.8	647.1	646.6	646.6
32.5°	633.2	632.1	630.5	630.1	629.8
35°	613.3	613.1	611.5	611.0	610.4
37.5°	591.6	591.1	589.4	588.9	588.2
40°	565.0	564.5	564.3	563.4	562.5
42.5°	534.1	534.8	535.2	533.4	531.6
45°	498.5	499.2	500.1	498.8	496.3
47.5°	456.9	459.6	458.3	459.2	456.7
50°	414.9	414.9	412.7	413.6	412.2
52.5°	370.8	367.3	364.6	366.4	368.1
55°	329.0	321.9	317.4	321.6	326.8
57.5°	289.0	280.5	272.2	278.9	285.2
60°	250.1	240.2	234.8	239.8	248.5
62.5°	213.2	206.0	200.6	204.4	211.8
65°	179.2	172.9	169.5	172.4	178.3
67.5°	148.1	143.8	140.5	142.9	147.4
70°	119.9	118.8	115.0	116.1	118.8
72.5°	94.2	93.9	90.6	91.5	93.0
75°	73.4	71.8	68.7	69.8	70.5
77.5°	51.9	52.6	49.7	50.3	50.3
80°	35.6	36.7	34.4	34.0	34.2
82.5°	22.6	22.6	22.4	22.1	21.5
85°	11.6	12.1	11.6	11.2	11.2
87.5°	4.5	4.5	4.5	4.2	4.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)