

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: P412370

Luminaire Tested: **22PD-25-PB1-L950**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412370
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-L950
Description: 2500 LUMEN 2X2 PERCEIVE LED TROFFER WITH BEVEL PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS
Light Source: -
Ballast/Driver: -

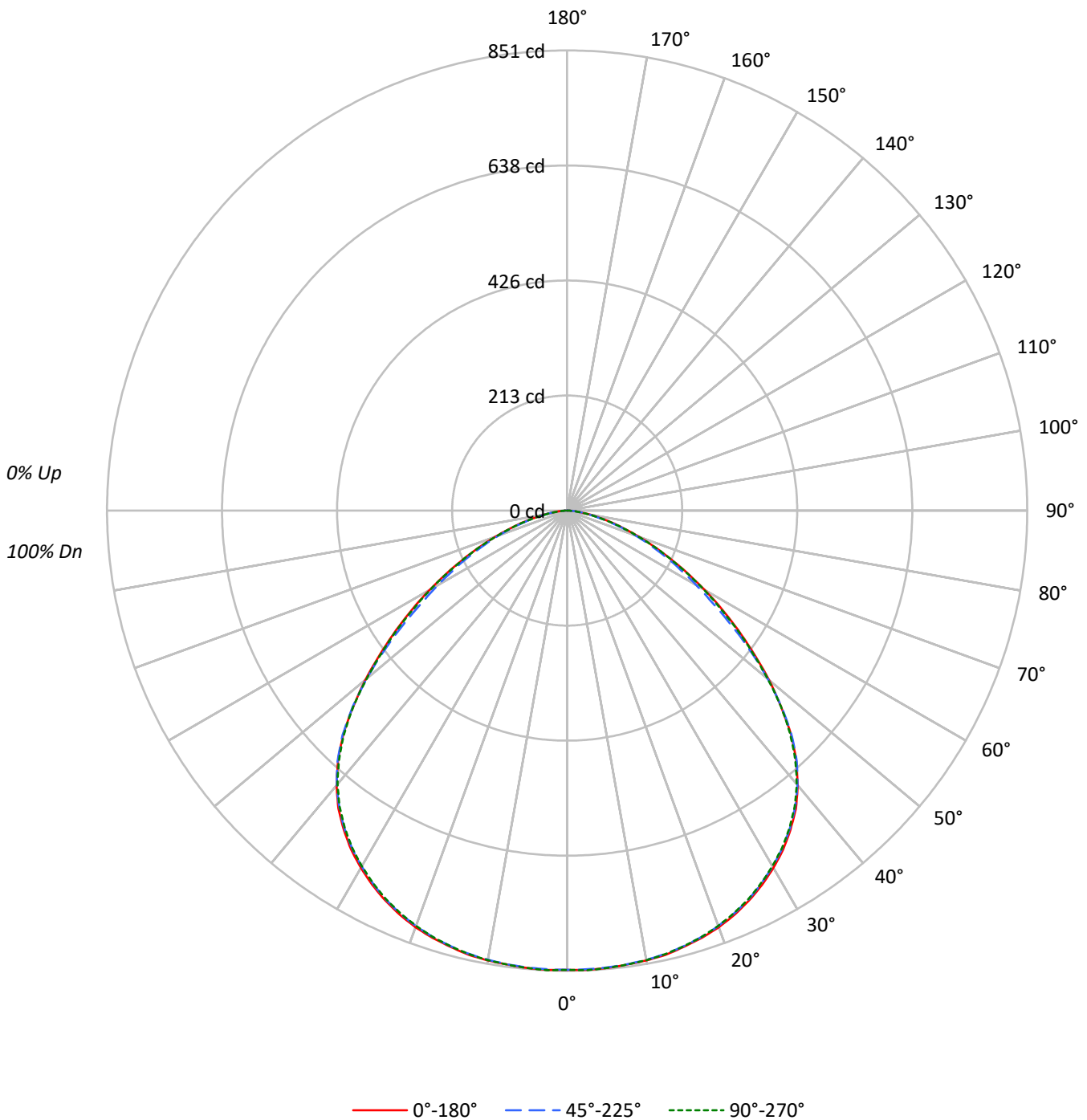
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2230.0 lumens
Efficiency: N/A
Efficacy: 109.3 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 (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: P412370
CATALOG NUMBER: 22PD-25-PB1-L950

Luminous Intensity Polar Plot





TEST NUMBER: P412370

CATALOG NUMBER: 22PD-25-PB1-L950

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°	2286	2286	2286
5°	2293	2291	2294
10°	2308	2305	2307
15°	2327	2323	2323
20°	2348	2341	2340
25°	2363	2356	2354
30°	2371	2361	2359
35°	2366	2359	2355
40°	2330	2328	2321
45°	2228	2235	2218
50°	2040	2029	2027
55°	1813	1749	1800
60°	1580	1484	1570
65°	1340	1268	1333
70°	1108	1062	1098
75°	895	838	860
80°	648	626	623
85°	423	423	404



TEST NUMBER: P412370

CATALOG NUMBER: 22PD-25-PB1-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.8	3.6
10°-20°	235.7	10.6
20°-30°	365.8	16.4
30°-40°	448.5	20.1
40°-50°	448.4	20.1
50°-60°	339.6	15.2
60°-70°	203.7	9.1
70°-80°	89.7	4.0
80°-90°	17.8	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°	682.3	30.6
0°-40°	1130.8	50.7
0°-60°	1918.8	86.0
0°-90°	2230.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2230.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	849	849	849	849	849	
5°	849	848	848	848	849	81
15°	835	834	834	833	834	236
25°	796	794	794	792	793	367
35°	720	720	718	718	717	450
45°	585	586	587	586	583	448
55°	386	378	373	378	384	346
65°	210	203	199	202	209	210
75°	86	84	81	82	83	92
85°	14	14	14	13	13	18
90°	0	0	0	0	0	



TEST NUMBER: P412370

CATALOG NUMBER: 22PD-25-PB1-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	849.4	849.4	849.4	849.4	849.4
2.5°	850.2	848.9	849.1	849.1	850.7
5°	848.9	847.8	848.1	847.8	849.1
7.5°	847.0	846.0	846.3	846.0	846.8
10°	844.7	843.6	843.6	843.1	844.2
12.5°	841.5	840.2	839.7	839.4	840.2
15°	835.2	834.4	833.9	833.4	833.9
17.5°	828.4	827.1	826.6	825.5	826.6
20°	820.0	818.1	817.6	816.8	817.1
22.5°	809.0	807.4	806.6	805.3	805.8
25°	795.8	794.2	793.5	792.1	792.7
27.5°	780.6	779.5	777.7	776.7	776.9
30°	763.0	761.9	759.8	759.3	759.3
32.5°	743.6	742.2	740.4	739.9	739.6
35°	720.2	719.9	718.1	717.6	716.8
37.5°	694.7	694.2	692.1	691.6	690.8
40°	663.4	662.9	662.7	661.6	660.6
42.5°	627.2	628.0	628.5	626.4	624.3
45°	585.4	586.2	587.3	585.7	582.8
47.5°	536.6	539.7	538.2	539.2	536.3
50°	487.2	487.2	484.6	485.6	484.1
52.5°	435.5	431.3	428.1	430.2	432.3
55°	386.4	378.0	372.7	377.7	383.7
57.5°	339.3	329.4	319.6	327.5	334.9
60°	293.6	282.1	275.8	281.6	291.8
62.5°	250.3	241.9	235.6	240.1	248.7
65°	210.4	203.0	199.1	202.5	209.3
67.5°	173.9	168.9	164.9	167.8	173.1
70°	140.8	139.5	135.0	136.3	139.5
72.5°	110.6	110.3	106.4	107.4	109.3
75°	86.1	84.3	80.6	81.9	82.7
77.5°	60.9	61.7	58.3	59.1	59.1
80°	41.8	43.1	40.4	39.9	40.2
82.5°	26.5	26.5	26.3	26.0	25.2
85°	13.7	14.2	13.7	13.1	13.1
87.5°	5.3	5.3	5.3	5.0	4.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)