

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: P412712

Luminaire Tested: **22PD-25-PP3-L950**

Issue Date: 9/15/2020



**Test Information**

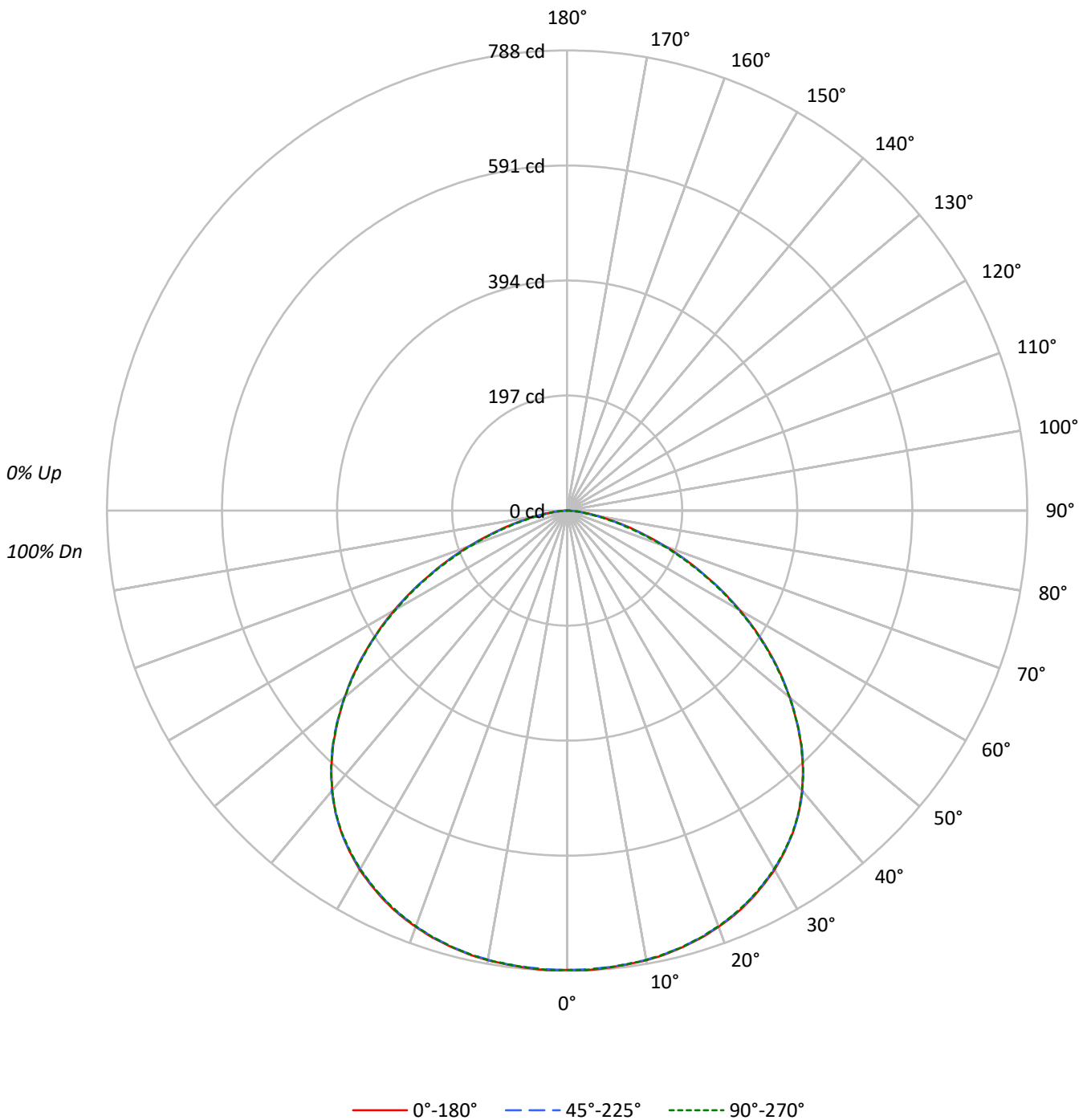
Test Method: LM-79-08  
Report Number: P412712  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-25-PP3-L950  
Description: 2500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2257.0 lumens  
Efficiency: N/A  
Efficacy: 110.6 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 (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	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°	2117	2117	2117
5°	2123	2121	2122
10°	2137	2134	2135
15°	2154	2151	2151
20°	2172	2170	2169
25°	2192	2188	2188
30°	2207	2203	2202
35°	2213	2213	2211
40°	2199	2203	2199
45°	2155	2161	2158
50°	2083	2086	2081
55°	1983	1978	1974
60°	1841	1836	1822
65°	1644	1642	1624
70°	1405	1397	1366
75°	1120	1087	1054
80°	798	781	741
85°	519	519	503



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.8	3.3
10°-20°	218.2	9.7
20°-30°	339.8	15.1
30°-40°	420.5	18.6
40°-50°	436.1	19.3
50°-60°	375.9	16.7
60°-70°	255.5	11.3
70°-80°	114.3	5.1
80°-90°	21.8	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°	632.8	28.0
0°-40°	1053.4	46.7
0°-60°	1865.4	82.6
0°-90°	2257.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2257.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	787	787	787	787	787	
5°	786	785	785	785	786	75
15°	773	772	772	772	772	219
25°	738	737	737	736	737	340
35°	674	673	674	673	673	421
45°	566	566	568	567	567	436
55°	423	421	422	421	421	377
65°	258	260	258	257	255	256
75°	108	108	104	104	101	116
85°	17	17	17	16	16	22
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	786.7	786.7	786.7	786.7	786.7
2.5°	787.7	786.1	786.1	786.4	787.2
5°	786.1	784.6	785.1	784.8	785.6
7.5°	784.0	782.7	783.5	783.0	783.5
10°	781.9	780.6	780.9	780.6	781.4
12.5°	778.3	776.7	777.2	777.2	777.5
15°	773.0	771.7	772.2	771.7	772.2
17.5°	766.7	765.1	765.4	765.1	765.7
20°	758.6	757.5	757.8	757.2	757.5
22.5°	749.4	748.1	748.3	747.8	747.8
25°	738.1	737.0	736.8	736.5	736.8
27.5°	724.9	723.6	723.6	723.4	723.4
30°	710.2	708.9	708.9	708.7	708.7
32.5°	692.9	692.4	692.6	692.1	691.8
35°	673.7	672.9	673.7	672.7	672.9
37.5°	651.4	650.3	651.9	650.9	651.1
40°	625.9	625.4	627.2	626.4	625.9
42.5°	597.6	597.6	598.3	598.6	598.1
45°	566.3	565.8	567.9	566.6	567.1
47.5°	532.7	531.9	533.5	533.2	532.9
50°	497.5	497.0	498.3	497.0	497.0
52.5°	461.0	460.7	461.0	459.7	459.4
55°	422.6	421.0	421.6	420.8	420.8
57.5°	382.7	380.9	381.1	380.9	381.1
60°	342.0	341.5	341.2	339.9	338.6
62.5°	300.2	300.7	300.5	298.6	297.3
65°	258.2	260.3	257.9	257.1	255.0
67.5°	218.5	219.3	217.7	215.9	213.5
70°	178.6	180.2	177.6	175.7	173.6
72.5°	140.5	141.6	139.2	138.2	135.5
75°	107.7	108.0	104.5	104.0	101.4
77.5°	76.7	77.7	75.1	75.1	72.5
80°	51.5	53.3	50.4	49.6	47.8
82.5°	32.3	32.6	31.8	31.0	30.2
85°	16.8	17.3	16.8	16.3	16.3
87.5°	6.3	6.6	6.3	6.0	6.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)