

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: P413054

Luminaire Tested: **22PD-25-PC3-L950**

Issue Date: 9/15/2020



**Test Information**

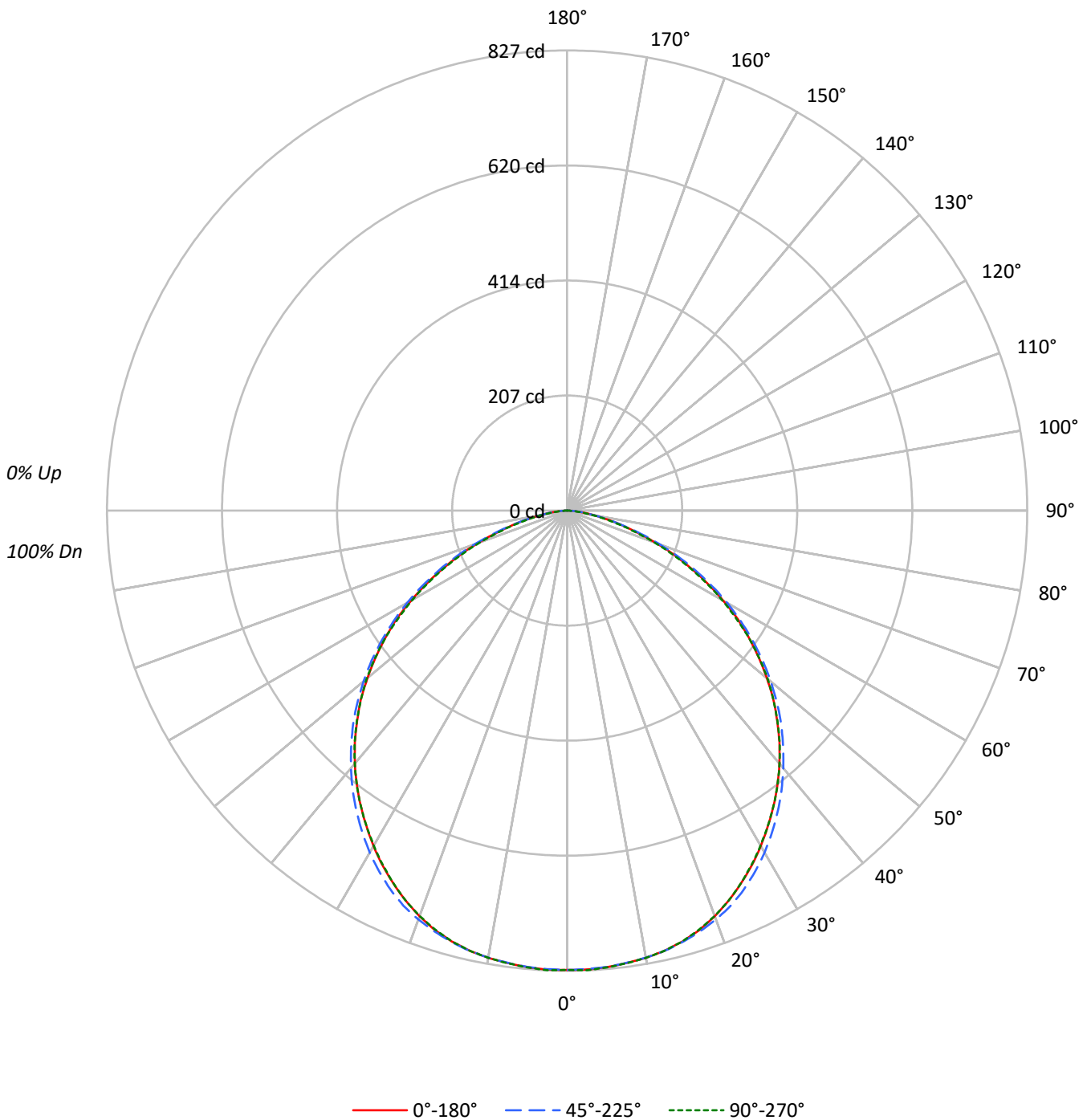
Test Method: LM-79-08  
Report Number: P413054  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-25-PC3-L950  
Description: 2500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 5000 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2218.0 lumens  
Efficiency: N/A  
Efficacy: 108.7 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
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	110	105	101	97	107	103	99	96	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	38	34		44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38	32	27	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	2222	2222	2222
5°	2224	2223	2226
10°	2230	2229	2230
15°	2233	2236	2232
20°	2221	2239	2220
25°	2196	2232	2194
30°	2163	2206	2160
35°	2126	2168	2126
40°	2086	2123	2086
45°	2031	2071	2034
50°	1961	2000	1969
55°	1870	1907	1870
60°	1744	1788	1733
65°	1565	1621	1545
70°	1339	1386	1300
75°	1063	1092	1007
80°	761	789	724
85°	503	519	469



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.3	3.5
10°-20°	226.3	10.2
20°-30°	343.3	15.5
30°-40°	410.0	18.5
40°-50°	416.9	18.8
50°-60°	360.6	16.3
60°-70°	248.2	11.2
70°-80°	112.6	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°	647.9	29.2
0°-40°	1057.9	47.7
0°-60°	1835.4	82.8
0°-90°	2218.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2218.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	826	826	826	826	826	
5°	824	823	823	823	824	78
15°	802	802	802	801	801	226
25°	740	746	752	745	739	341
35°	647	659	660	658	647	405
45°	534	543	544	544	534	412
55°	399	406	406	406	399	356
65°	246	253	254	252	243	244
75°	102	106	105	104	97	110
85°	16	17	17	16	15	21
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	825.6	825.6	825.6	825.6	825.6
2.5°	825.6	824.6	824.8	825.1	826.7
5°	823.5	822.7	823.0	823.0	824.0
7.5°	820.1	819.8	819.8	819.6	820.4
10°	816.2	815.6	815.9	815.6	816.2
12.5°	810.1	810.1	810.4	809.6	810.1
15°	801.5	802.0	802.5	801.2	801.2
17.5°	790.4	791.7	793.1	790.7	789.4
20°	775.7	778.9	782.0	778.4	775.2
22.5°	758.7	763.9	768.6	762.9	758.7
25°	739.5	746.1	751.6	744.7	739.0
27.5°	718.7	726.1	731.4	725.6	717.7
30°	696.2	705.1	709.8	704.3	695.1
32.5°	672.0	682.5	685.4	682.0	671.5
35°	647.1	658.6	659.9	657.6	647.1
37.5°	621.1	632.1	633.1	631.8	621.1
40°	593.7	604.0	604.3	604.3	593.7
42.5°	564.6	574.6	574.6	574.3	565.4
45°	533.6	543.3	544.1	543.6	534.4
47.5°	502.9	510.2	511.6	510.5	502.4
50°	468.5	476.1	477.7	476.6	470.3
52.5°	434.3	441.4	443.0	442.2	435.1
55°	398.6	405.5	406.5	405.7	398.6
57.5°	364.2	368.7	369.7	368.2	359.2
60°	324.1	330.4	332.2	330.4	322.0
62.5°	285.2	292.0	293.6	291.0	282.0
65°	245.8	252.6	254.5	252.4	242.6
67.5°	208.5	213.5	215.1	212.7	203.8
70°	170.2	176.5	176.2	173.1	165.2
72.5°	132.4	141.0	139.4	137.6	128.9
75°	102.2	106.1	105.0	104.0	96.9
77.5°	73.0	77.7	75.1	75.4	69.3
80°	49.1	53.6	50.9	49.9	46.7
82.5°	31.2	33.1	32.6	32.0	29.1
85°	16.3	17.3	16.8	16.3	15.2
87.5°	6.3	6.8	6.3	6.3	5.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)