

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: P413052

Luminaire Tested: **22PD-25-PC3-L935**

Issue Date: 9/15/2020



**Test Information**

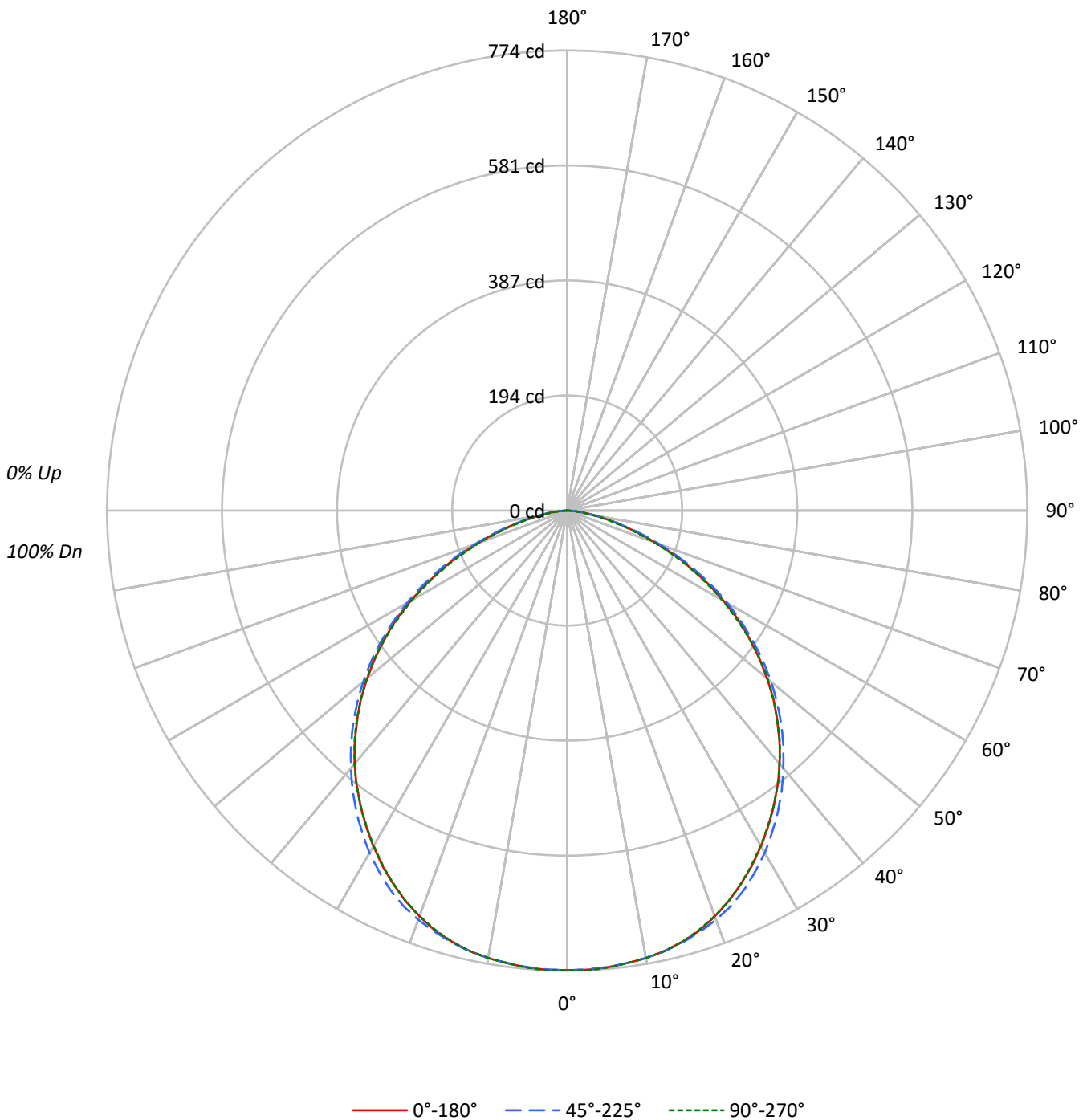
Test Method: LM-79-08  
Report Number: P413052  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22PD-25-PC3-L935  
Description: 2500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3500 CCT LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2077.0 lumens  
Efficiency: N/A  
Efficacy: 101.8 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°	2080	2080	2080
5°	2083	2082	2085
10°	2088	2088	2088
15°	2091	2094	2090
20°	2080	2097	2079
25°	2056	2090	2055
30°	2026	2065	2023
35°	1990	2030	1990
40°	1953	1988	1953
45°	1902	1939	1904
50°	1837	1873	1844
55°	1751	1786	1751
60°	1633	1674	1623
65°	1466	1517	1447
70°	1253	1298	1217
75°	995	1023	943
80°	713	739	679
85°	469	485	442



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.4	3.5
10°-20°	211.9	10.2
20°-30°	321.5	15.5
30°-40°	383.9	18.5
40°-50°	390.4	18.8
50°-60°	337.7	16.3
60°-70°	232.4	11.2
70°-80°	105.5	5.1
80°-90°	20.4	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°	606.7	29.2
0°-40°	990.6	47.7
0°-60°	1718.7	82.8
0°-90°	2077.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2077.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	773	773	773	773	773	
5°	771	770	771	771	772	73
15°	750	751	752	750	750	212
25°	692	699	704	697	692	319
35°	606	617	618	616	606	379
45°	500	509	510	509	500	385
55°	373	380	381	380	373	334
65°	230	237	238	236	227	228
75°	96	99	98	97	91	103
85°	15	16	16	15	14	20
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	773.1	773.1	773.1	773.1	773.1
2.5°	773.1	772.2	772.4	772.6	774.1
5°	771.2	770.4	770.7	770.7	771.7
7.5°	768.0	767.7	767.7	767.5	768.2
10°	764.3	763.8	764.0	763.8	764.3
12.5°	758.6	758.6	758.9	758.1	758.6
15°	750.5	751.0	751.5	750.3	750.3
17.5°	740.2	741.4	742.6	740.4	739.2
20°	726.4	729.4	732.3	728.9	725.9
22.5°	710.4	715.4	719.8	714.4	710.4
25°	692.5	698.6	703.8	697.4	692.0
27.5°	673.1	679.9	684.9	679.4	672.1
30°	651.9	660.3	664.7	659.5	650.9
32.5°	629.3	639.1	641.8	638.6	628.8
35°	605.9	616.7	618.0	615.8	605.9
37.5°	581.6	591.9	592.9	591.7	581.6
40°	556.0	565.6	565.8	565.8	556.0
42.5°	528.7	538.0	538.0	537.8	529.4
45°	499.7	508.8	509.5	509.0	500.4
47.5°	470.9	477.8	479.0	478.0	470.4
50°	438.7	445.8	447.3	446.3	440.4
52.5°	406.7	413.4	414.8	414.1	407.5
55°	373.3	379.7	380.7	379.9	373.3
57.5°	341.1	345.3	346.2	344.8	336.4
60°	303.5	309.4	311.1	309.4	301.5
62.5°	267.1	273.5	274.9	272.5	264.1
65°	230.2	236.6	238.3	236.3	227.2
67.5°	195.3	199.9	201.4	199.2	190.8
70°	159.3	165.3	165.0	162.1	154.7
72.5°	123.9	132.1	130.6	128.9	120.7
75°	95.7	99.3	98.4	97.4	90.7
77.5°	68.4	72.8	70.3	70.6	64.9
80°	46.0	50.2	47.7	46.7	43.8
82.5°	29.3	31.0	30.5	30.0	27.3
85°	15.2	16.2	15.7	15.2	14.3
87.5°	5.9	6.4	5.9	5.9	5.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)