

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: P413048

Luminaire Tested: **22PD-25-PC3-L840**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413048
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-L840
Description: 2500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 80 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

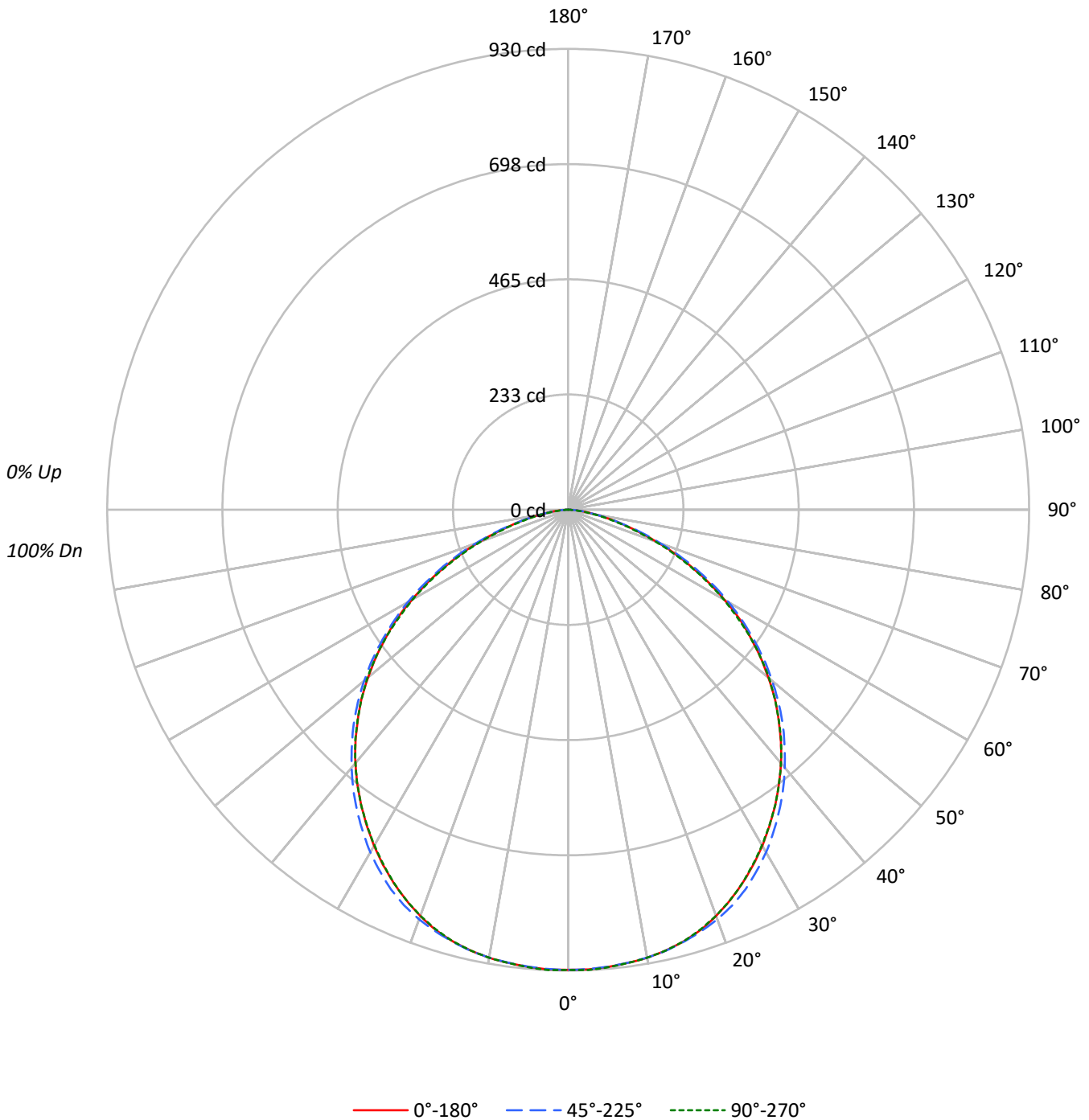
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2495.0 lumens
Efficiency: N/A
Efficacy: 122.3 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°	2499	2499	2499
5°	2502	2501	2504
10°	2509	2508	2509
15°	2512	2515	2511
20°	2499	2519	2497
25°	2470	2510	2468
30°	2433	2481	2430
35°	2391	2439	2391
40°	2346	2388	2346
45°	2285	2329	2288
50°	2206	2249	2215
55°	2104	2145	2104
60°	1962	2011	1949
65°	1761	1822	1738
70°	1506	1559	1462
75°	1195	1229	1133
80°	855	888	815
85°	565	584	528



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.1	3.5
10°-20°	254.5	10.2
20°-30°	386.2	15.5
30°-40°	461.2	18.5
40°-50°	469.0	18.8
50°-60°	405.7	16.3
60°-70°	279.2	11.2
70°-80°	126.7	5.1
80°-90°	24.5	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°	728.8	29.2
0°-40°	1190.0	47.7
0°-60°	2064.6	82.8
0°-90°	2495.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2495.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	929	929	929	929	929	
5°	926	926	926	926	927	88
15°	902	902	903	901	901	254
25°	832	839	845	838	831	383
35°	728	741	742	740	728	455
45°	600	611	612	612	601	463
55°	448	456	457	456	448	401
65°	276	284	286	284	273	274
75°	115	119	118	117	109	124
85°	18	20	19	18	17	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	928.7	928.7	928.7	928.7	928.7
2.5°	928.7	927.6	927.8	928.1	929.9
5°	926.4	925.5	925.8	925.8	927.0
7.5°	922.5	922.2	922.2	921.9	922.8
10°	918.1	917.5	917.8	917.5	918.1
12.5°	911.3	911.3	911.6	910.7	911.3
15°	901.6	902.1	902.7	901.3	901.3
17.5°	889.2	890.6	892.1	889.4	888.0
20°	872.6	876.2	879.7	875.6	872.0
22.5°	853.4	859.3	864.6	858.1	853.4
25°	831.8	839.2	845.4	837.8	831.3
27.5°	808.5	816.8	822.7	816.2	807.3
30°	783.1	793.1	798.5	792.3	781.9
32.5°	755.9	767.7	771.0	767.2	755.3
35°	727.9	740.9	742.3	739.7	727.9
37.5°	698.6	711.0	712.2	710.7	698.6
40°	667.9	679.4	679.7	679.7	667.9
42.5°	635.1	646.3	646.3	646.0	636.0
45°	600.3	611.2	612.1	611.5	601.1
47.5°	565.7	574.0	575.4	574.3	565.1
50°	527.0	535.6	537.3	536.1	529.1
52.5°	488.6	496.6	498.3	497.5	489.5
55°	448.4	456.1	457.3	456.4	448.4
57.5°	409.7	414.7	415.9	414.1	404.1
60°	364.5	371.6	373.7	371.6	362.2
62.5°	320.8	328.5	330.3	327.3	317.3
65°	276.5	284.2	286.2	283.9	272.9
67.5°	234.5	240.2	241.9	239.3	229.2
70°	191.4	198.5	198.2	194.7	185.8
72.5°	148.9	158.6	156.9	154.8	145.0
75°	114.9	119.3	118.2	117.0	109.0
77.5°	82.1	87.4	84.5	84.8	78.0
80°	55.2	60.3	57.3	56.1	52.6
82.5°	35.2	37.2	36.6	36.0	32.8
85°	18.3	19.5	18.9	18.3	17.1
87.5°	7.1	7.7	7.1	7.1	6.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)