

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: P413053

Luminaire Tested: **22PD-25-PC3-L940**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413053
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-L940
Description: 2500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 4000 CCT LEDS
Light Source: -
Ballast/Driver: -

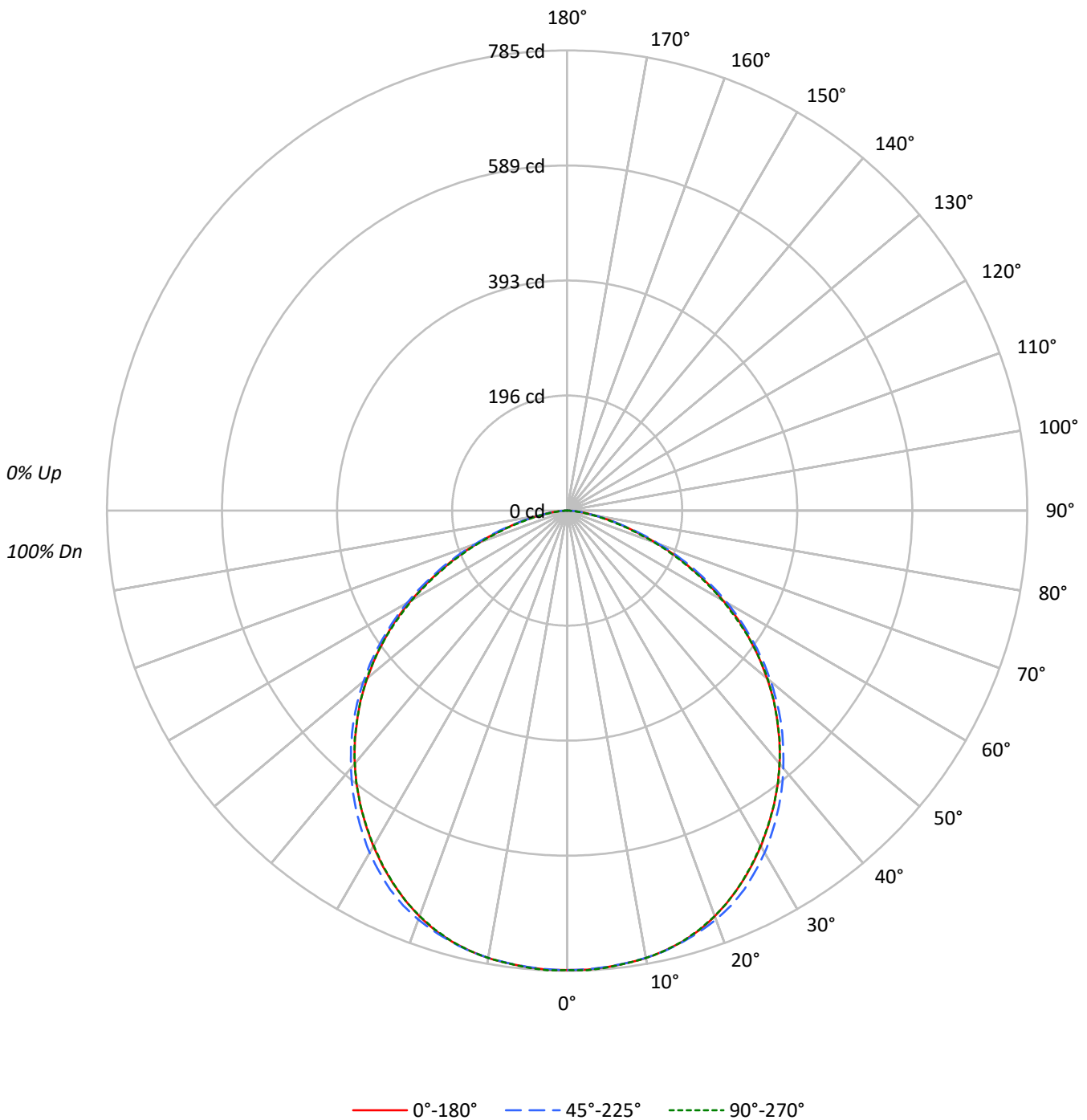
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2106.0 lumens
Efficiency: N/A
Efficacy: 103.2 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 (A_{in}): 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°	2109	2109	2109
5°	2112	2111	2113
10°	2118	2117	2118
15°	2120	2123	2119
20°	2109	2126	2108
25°	2085	2119	2083
30°	2054	2094	2051
35°	2018	2058	2018
40°	1981	2015	1981
45°	1928	1966	1931
50°	1862	1899	1870
55°	1776	1811	1776
60°	1656	1697	1645
65°	1486	1538	1467
70°	1271	1316	1234
75°	1009	1037	957
80°	722	750	688
85°	479	494	448



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	3.5
10°-20°	214.8	10.2
20°-30°	325.9	15.5
30°-40°	389.3	18.5
40°-50°	395.9	18.8
50°-60°	342.4	16.3
60°-70°	235.6	11.2
70°-80°	106.9	5.1
80°-90°	20.7	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°	615.2	29.2
0°-40°	1004.4	47.7
0°-60°	1742.7	82.8
0°-90°	2106.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2106.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	784	784	784	784	784	
5°	782	781	781	781	782	74
15°	761	762	762	761	761	215
25°	702	708	714	707	702	323
35°	614	625	627	624	614	384
45°	507	516	517	516	507	391
55°	378	385	386	385	378	338
65°	233	240	242	240	230	232
75°	97	101	100	99	92	104
85°	16	16	16	16	14	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	783.9	783.9	783.9	783.9	783.9
2.5°	783.9	782.9	783.2	783.4	784.9
5°	781.9	781.2	781.4	781.4	782.4
7.5°	778.7	778.4	778.4	778.2	778.9
10°	775.0	774.5	774.7	774.5	775.0
12.5°	769.2	769.2	769.5	768.7	769.2
15°	761.0	761.5	762.0	760.7	760.7
17.5°	750.5	751.8	753.0	750.8	749.5
20°	736.6	739.6	742.5	739.1	736.1
22.5°	720.4	725.3	729.8	724.3	720.4
25°	702.1	708.4	713.6	707.1	701.7
27.5°	682.5	689.4	694.4	688.9	681.5
30°	661.0	669.5	674.0	668.7	660.0
32.5°	638.1	648.0	650.8	647.5	637.6
35°	614.4	625.4	626.6	624.4	614.4
37.5°	589.7	600.2	601.2	599.9	589.7
40°	563.8	573.5	573.7	573.7	563.8
42.5°	536.1	545.6	545.6	545.3	536.8
45°	506.7	515.9	516.6	516.1	507.4
47.5°	477.5	484.5	485.7	484.7	477.0
50°	444.8	452.1	453.6	452.6	446.6
52.5°	412.4	419.1	420.6	419.9	413.2
55°	378.5	385.0	386.0	385.2	378.5
57.5°	345.8	350.1	351.1	349.6	341.1
60°	307.7	313.7	315.4	313.7	305.7
62.5°	270.8	277.3	278.8	276.3	267.8
65°	233.4	239.9	241.6	239.6	230.4
67.5°	198.0	202.7	204.2	202.0	193.5
70°	161.6	167.6	167.3	164.3	156.8
72.5°	125.7	133.9	132.4	130.7	122.4
75°	97.0	100.7	99.7	98.7	92.0
77.5°	69.3	73.8	71.3	71.6	65.8
80°	46.6	50.9	48.4	47.4	44.4
82.5°	29.7	31.4	30.9	30.4	27.7
85°	15.5	16.5	16.0	15.5	14.5
87.5°	6.0	6.5	6.0	6.0	5.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)