

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: P413051

Luminaire Tested: **22PD-25-PC3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413051
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-L930
Description: 2500 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

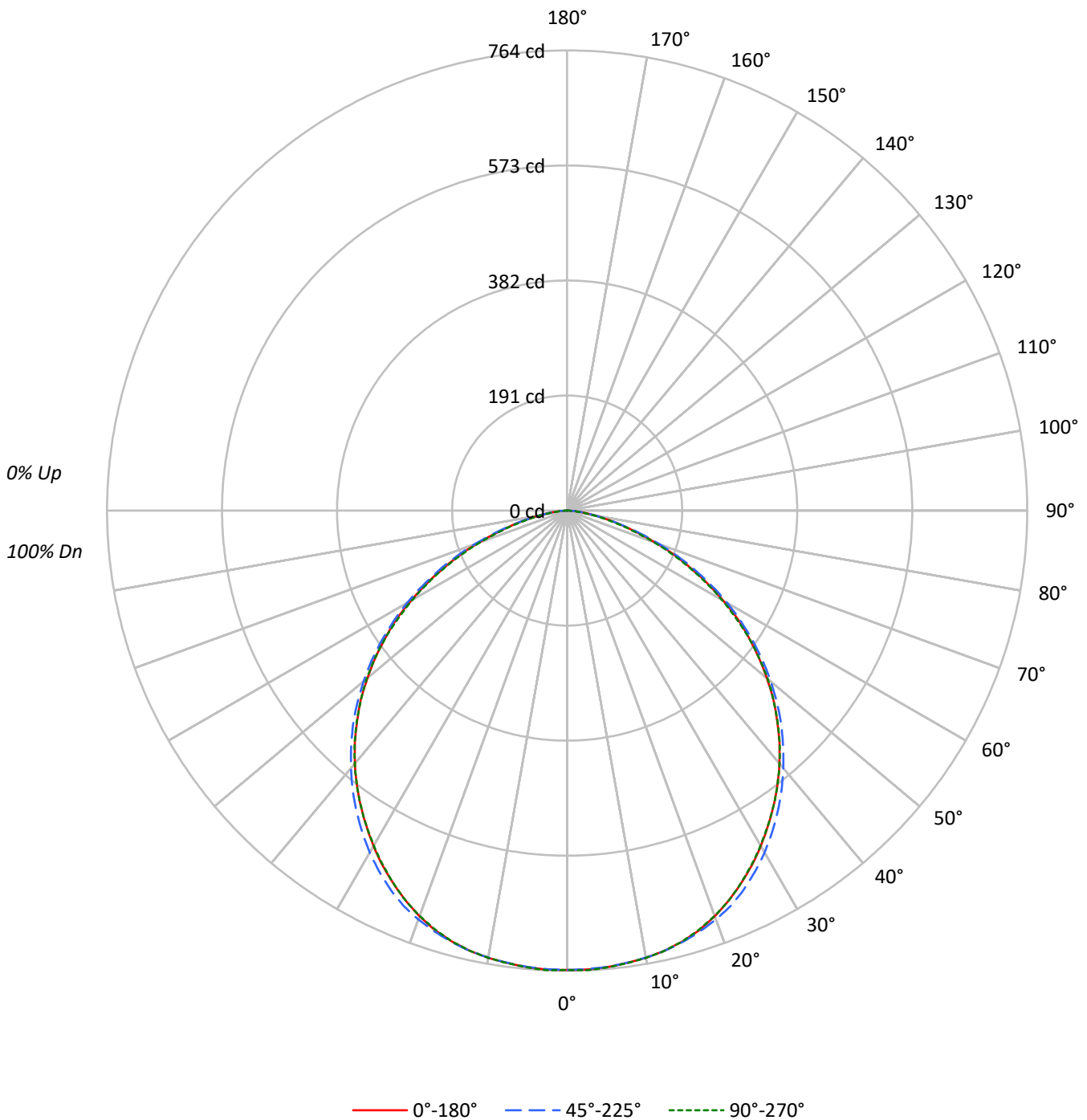
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2049.0 lumens
Efficiency: N/A
Efficacy: 100.4 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°	2052	2052	2052
5°	2055	2054	2056
10°	2060	2059	2060
15°	2063	2065	2062
20°	2052	2069	2051
25°	2028	2061	2027
30°	1998	2037	1995
35°	1964	2003	1964
40°	1927	1961	1927
45°	1876	1913	1879
50°	1812	1847	1819
55°	1728	1762	1728
60°	1611	1652	1601
65°	1446	1497	1428
70°	1237	1281	1201
75°	981	1009	931
80°	704	730	669
85°	463	479	435



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.4	3.5
10°-20°	209.0	10.2
20°-30°	317.1	15.5
30°-40°	378.7	18.5
40°-50°	385.2	18.8
50°-60°	333.2	16.3
60°-70°	229.3	11.2
70°-80°	104.0	5.1
80°-90°	20.1	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°	598.5	29.2
0°-40°	977.2	47.7
0°-60°	1695.6	82.8
0°-90°	2049.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2049.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	763	763	763	763	763	
5°	761	760	760	760	761	72
15°	740	741	741	740	740	209
25°	683	689	694	688	683	315
35°	598	608	610	608	598	374
45°	493	502	503	502	494	380
55°	368	375	376	375	368	329
65°	227	233	235	233	224	225
75°	94	98	97	96	90	101
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°	762.7	762.7	762.7	762.7	762.7
2.5°	762.7	761.7	762.0	762.2	763.7
5°	760.8	760.0	760.3	760.3	761.3
7.5°	757.6	757.4	757.4	757.1	757.9
10°	754.0	753.5	753.7	753.5	754.0
12.5°	748.4	748.4	748.6	747.9	748.4
15°	740.4	740.9	741.4	740.2	740.2
17.5°	730.2	731.4	732.6	730.5	729.2
20°	716.6	719.5	722.4	719.0	716.1
22.5°	700.9	705.7	710.1	704.7	700.9
25°	683.1	689.2	694.3	688.0	682.7
27.5°	664.0	670.8	675.6	670.3	663.0
30°	643.1	651.4	655.7	650.6	642.1
32.5°	620.8	630.5	633.2	630.0	620.3
35°	597.8	608.4	609.6	607.5	597.8
37.5°	573.7	583.9	584.9	583.7	573.7
40°	548.5	558.0	558.2	558.2	548.5
42.5°	521.6	530.8	530.8	530.6	522.3
45°	493.0	501.9	502.7	502.2	493.7
47.5°	464.6	471.4	472.6	471.6	464.1
50°	432.8	439.8	441.3	440.3	434.5
52.5°	401.3	407.8	409.3	408.5	402.0
55°	368.3	374.6	375.5	374.8	368.3
57.5°	336.5	340.6	341.6	340.1	331.9
60°	299.4	305.2	306.9	305.2	297.4
62.5°	263.5	269.8	271.2	268.8	260.5
65°	227.1	233.4	235.1	233.1	224.2
67.5°	192.6	197.2	198.7	196.5	188.3
70°	157.2	163.0	162.8	159.9	152.6
72.5°	122.3	130.3	128.8	127.1	119.1
75°	94.4	98.0	97.0	96.1	89.5
77.5°	67.4	71.8	69.4	69.6	64.0
80°	45.4	49.5	47.1	46.1	43.2
82.5°	28.9	30.6	30.1	29.6	26.9
85°	15.0	16.0	15.5	15.0	14.1
87.5°	5.8	6.3	5.8	5.8	5.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)