

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: P413060

Luminaire Tested: **22PD-30-PC3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413060
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-30-PC3-L930
Description: 3000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

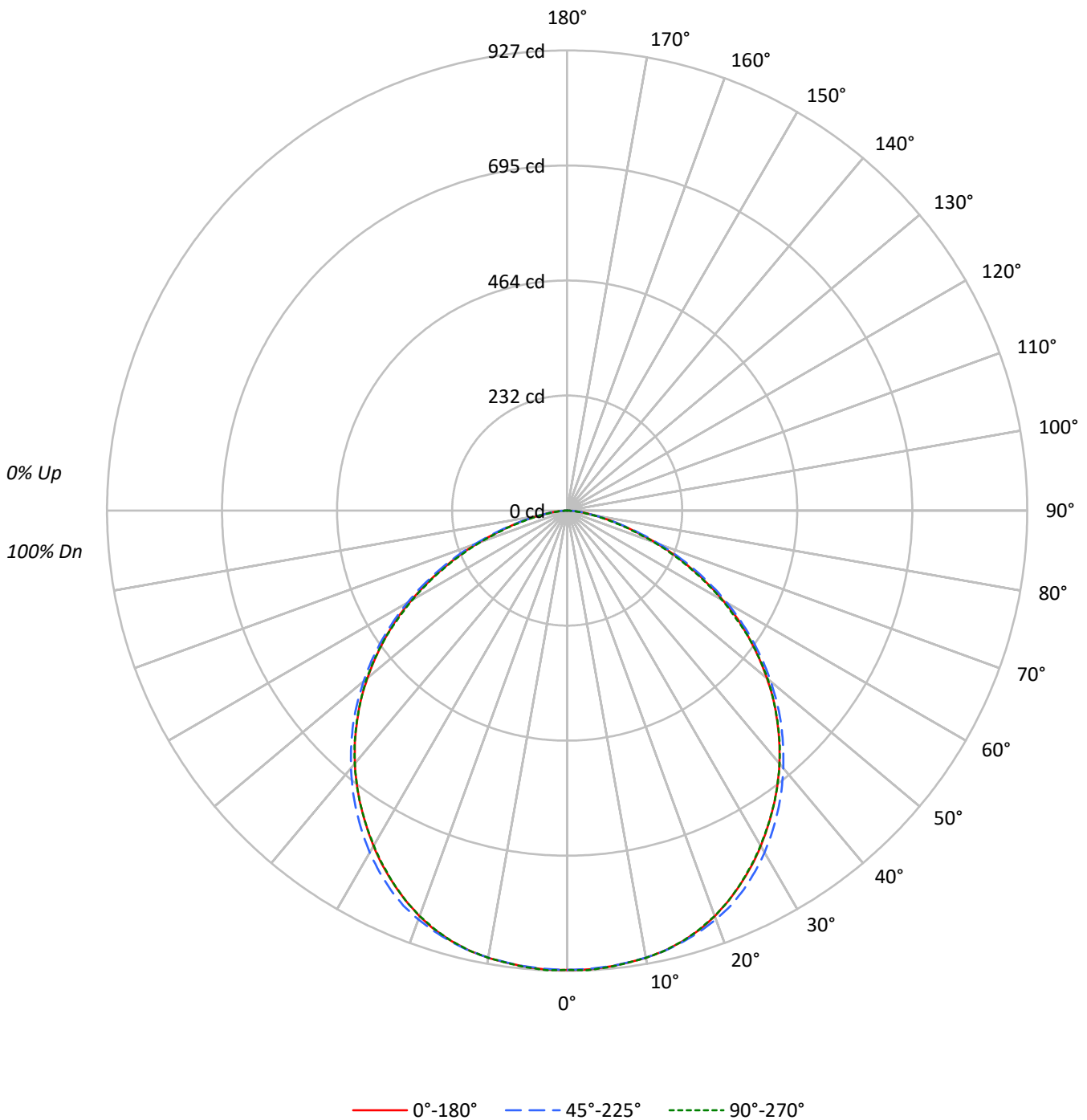
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2486.0 lumens
Efficiency: N/A
Efficacy: 99.8 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): 24.9
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°	2490	2490	2490
5°	2493	2492	2495
10°	2500	2499	2500
15°	2503	2506	2502
20°	2490	2510	2488
25°	2461	2501	2459
30°	2425	2472	2421
35°	2382	2430	2382
40°	2338	2379	2338
45°	2276	2321	2280
50°	2198	2241	2207
55°	2096	2137	2096
60°	1955	2004	1942
65°	1754	1816	1732
70°	1500	1554	1456
75°	1190	1224	1129
80°	852	885	812
85°	562	580	528



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.8	3.5
10°-20°	253.6	10.2
20°-30°	384.8	15.5
30°-40°	459.5	18.5
40°-50°	467.3	18.8
50°-60°	404.2	16.3
60°-70°	278.1	11.2
70°-80°	126.2	5.1
80°-90°	24.4	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°	726.2	29.2
0°-40°	1185.7	47.7
0°-60°	2057.2	82.8
0°-90°	2486.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2486.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	925	925	925	925	925	
5°	923	922	922	922	924	88
15°	898	899	900	898	898	253
25°	829	836	842	835	828	382
35°	725	738	740	737	725	454
45°	598	609	610	609	599	461
55°	447	454	456	455	447	399
65°	276	283	285	283	272	273
75°	114	119	118	117	109	123
85°	18	19	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°	925.4	925.4	925.4	925.4	925.4
2.5°	925.4	924.2	924.5	924.8	926.6
5°	923.0	922.1	922.4	922.4	923.6
7.5°	919.2	918.9	918.9	918.6	919.5
10°	914.8	914.2	914.5	914.2	914.8
12.5°	908.0	908.0	908.3	907.4	908.0
15°	898.3	898.9	899.5	898.0	898.0
17.5°	885.9	887.4	888.9	886.2	884.8
20°	869.5	873.0	876.5	872.4	868.9
22.5°	850.3	856.2	861.5	855.0	850.3
25°	828.8	836.2	842.4	834.7	828.3
27.5°	805.6	813.8	819.7	813.2	804.4
30°	780.3	790.3	795.6	789.4	779.1
32.5°	753.2	765.0	768.2	764.4	752.6
35°	725.2	738.2	739.7	737.0	725.2
37.5°	696.1	708.5	709.6	708.2	696.1
40°	665.5	677.0	677.3	677.3	665.5
42.5°	632.8	644.0	644.0	643.7	633.7
45°	598.1	609.0	609.9	609.3	599.0
47.5°	563.6	571.9	573.4	572.2	563.1
50°	525.1	533.6	535.4	534.2	527.2
52.5°	486.8	494.8	496.5	495.7	487.7
55°	446.8	454.5	455.6	454.7	446.8
57.5°	408.2	413.2	414.4	412.7	402.6
60°	363.2	370.3	372.3	370.3	360.9
62.5°	319.6	327.3	329.1	326.1	316.1
65°	275.5	283.1	285.2	282.9	272.0
67.5°	233.7	239.3	241.1	238.4	228.4
70°	190.7	197.8	197.5	194.0	185.1
72.5°	148.3	158.1	156.3	154.2	144.5
75°	114.5	118.9	117.7	116.6	108.6
77.5°	81.8	87.1	84.2	84.5	77.7
80°	55.0	60.0	57.1	55.9	52.4
82.5°	35.0	37.1	36.5	35.9	32.7
85°	18.2	19.4	18.8	18.2	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)