

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: P413150

Luminaire Tested: **22PD-80-PC3-L930**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413150
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-80-PC3-L930
Description: 8000 LUMEN 2X2 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

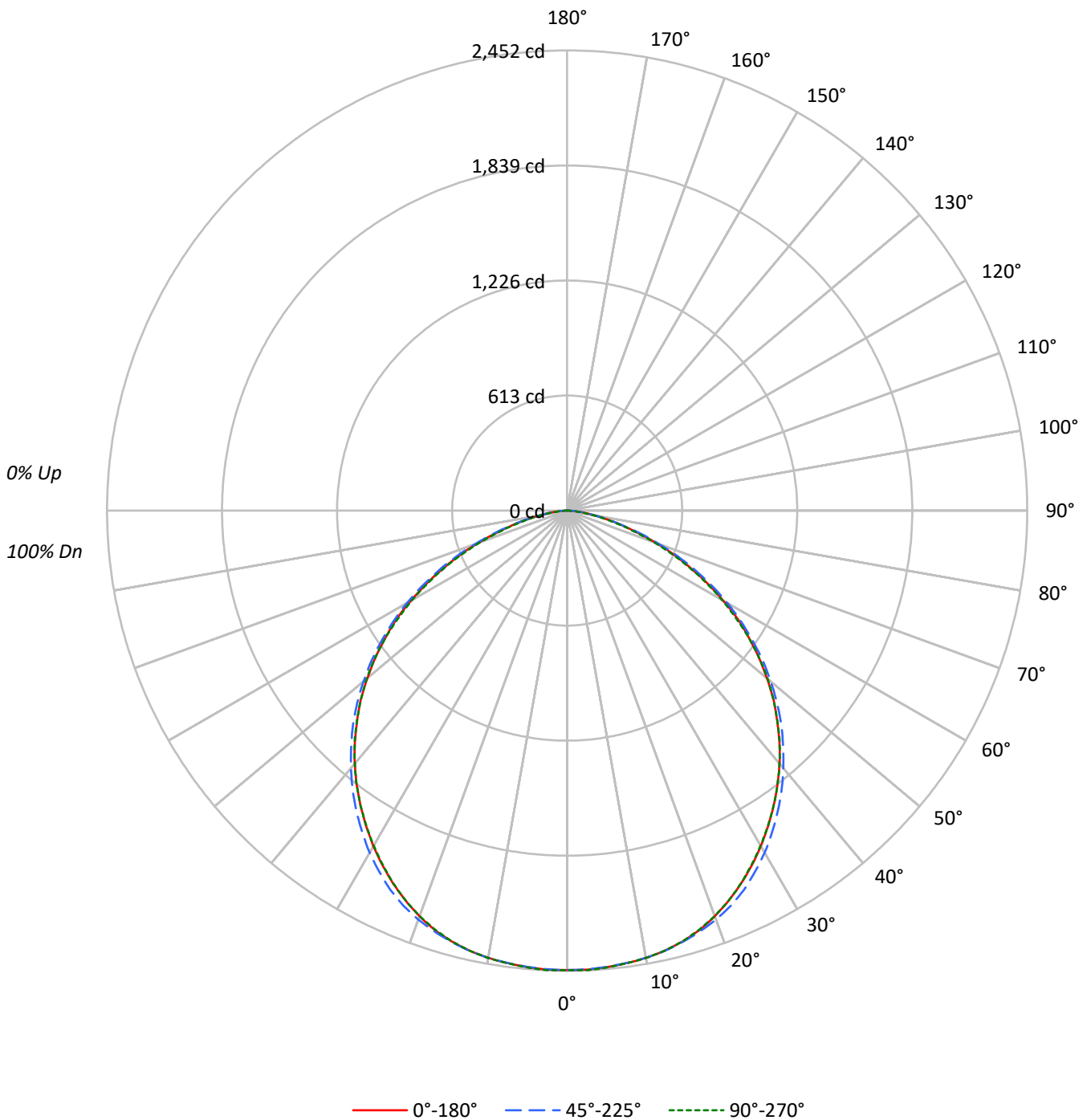
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6578.0 lumens
Efficiency: N/A
Efficacy: 90.6 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): 72.6
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°	6589	6589	6589
5°	6598	6593	6602
10°	6614	6612	6614
15°	6622	6630	6620
20°	6588	6642	6584
25°	6512	6618	6507
30°	6415	6541	6406
35°	6304	6430	6304
40°	6186	6295	6186
45°	6022	6141	6032
50°	5817	5931	5840
55°	5546	5656	5546
60°	5173	5302	5139
65°	4642	4805	4582
70°	3971	4112	3854
75°	3150	3239	2988
80°	2256	2342	2148
85°	1491	1538	1396



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.3	3.5
10°-20°	671.0	10.2
20°-30°	1018.1	15.5
30°-40°	1215.8	18.5
40°-50°	1236.5	18.8
50°-60°	1069.6	16.3
60°-70°	736.0	11.2
70°-80°	334.0	5.1
80°-90°	64.7	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°	1921.5	29.2
0°-40°	3137.3	47.7
0°-60°	5443.4	82.8
0°-90°	6578.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6578.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2449	2449	2449	2449	2449	
5°	2442	2440	2441	2441	2444	232
15°	2377	2378	2380	2376	2376	670
25°	2193	2213	2229	2209	2192	1010
35°	1919	1953	1957	1950	1919	1200
45°	1582	1611	1614	1612	1585	1220
55°	1182	1202	1206	1203	1182	1056
65°	729	749	755	748	720	723
75°	303	315	312	308	287	326
85°	48	51	50	48	45	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2448.6	2448.6	2448.6	2448.6	2448.6
2.5°	2448.6	2445.5	2446.2	2447.0	2451.7
5°	2442.4	2440.0	2440.8	2440.8	2443.9
7.5°	2432.2	2431.5	2431.5	2430.7	2433.0
10°	2420.5	2419.0	2419.8	2419.0	2420.5
12.5°	2402.6	2402.6	2403.4	2401.1	2402.6
15°	2376.9	2378.5	2380.0	2376.2	2376.2
17.5°	2344.2	2348.1	2352.0	2345.0	2341.1
20°	2300.6	2310.0	2319.3	2308.4	2299.1
22.5°	2250.0	2265.6	2279.6	2262.4	2250.0
25°	2193.1	2212.6	2229.0	2208.7	2191.6
27.5°	2131.6	2153.4	2169.0	2151.9	2128.5
30°	2064.6	2091.1	2105.1	2088.8	2061.5
32.5°	1993.0	2024.1	2032.7	2022.6	1991.4
35°	1919.0	1953.3	1957.2	1950.1	1919.0
37.5°	1841.9	1874.6	1877.7	1873.8	1841.9
40°	1760.9	1791.3	1792.0	1792.0	1760.9
42.5°	1674.4	1704.0	1704.0	1703.3	1676.8
45°	1582.5	1611.4	1613.7	1612.1	1584.9
47.5°	1491.4	1513.2	1517.1	1514.0	1489.9
50°	1389.4	1412.0	1416.7	1413.5	1394.9
52.5°	1288.2	1309.2	1313.9	1311.5	1290.5
55°	1182.2	1202.5	1205.6	1203.3	1182.2
57.5°	1080.2	1093.5	1096.6	1091.9	1065.4
60°	961.1	979.7	985.2	979.7	954.8
62.5°	845.8	866.0	870.7	862.9	836.4
65°	729.0	749.2	754.7	748.4	719.6
67.5°	618.4	633.2	637.8	630.8	604.4
70°	504.7	523.4	522.6	513.2	489.9
72.5°	392.5	418.2	413.5	408.1	382.4
75°	303.0	314.6	311.5	308.4	287.4
77.5°	216.5	230.5	222.7	223.5	205.6
80°	145.6	158.9	151.1	148.0	138.6
82.5°	92.7	98.1	96.6	95.0	86.4
85°	48.3	51.4	49.8	48.3	45.2
87.5°	18.7	20.2	18.7	18.7	17.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)