

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: P413239

Luminaire Tested: **24PD-65-PC3-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P413239
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-46)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-65-PC3-L927
Description: 6500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PYRAMID PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

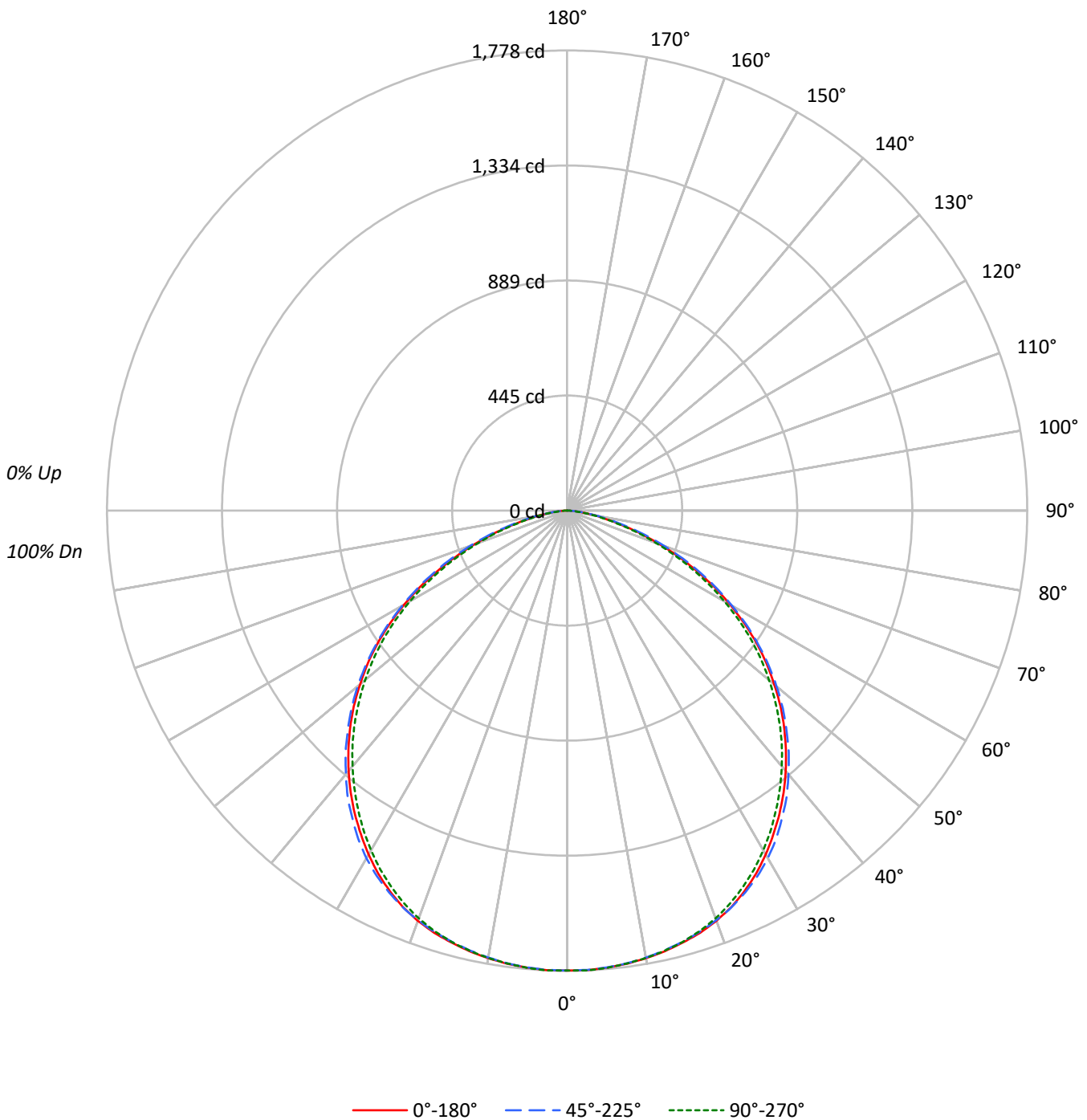
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4858.0 lumens
Efficiency: N/A
Efficacy: 97.7 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 49.7
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

TEST NUMBER: P413239
CATALOG NUMBER: 24PD-65-PC3-L927

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	109	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	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2391	2391	2391
5°	2395	2393	2395
10°	2399	2396	2398
15°	2407	2402	2403
20°	2415	2412	2401
25°	2408	2417	2383
30°	2384	2409	2354
35°	2349	2379	2314
40°	2308	2336	2266
45°	2256	2280	2209
50°	2186	2210	2132
55°	2096	2115	2034
60°	1957	1979	1889
65°	1763	1807	1694
70°	1497	1563	1437
75°	1159	1244	1106
80°	862	900	782
85°	533	570	494



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.6	3.5
10°-20°	487.4	10.0
20°-30°	746.4	15.4
30°-40°	898.0	18.5
40°-50°	915.7	18.8
50°-60°	793.8	16.3
60°-70°	550.4	11.3
70°-80°	251.4	5.2
80°-90°	46.4	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°	1402.4	28.9
0°-40°	2300.4	47.4
0°-60°	4009.9	82.5
0°-90°	4858.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4858.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1777	1777	1777	1777	1777	
5°	1773	1773	1772	1771	1773	169
15°	1728	1728	1725	1723	1725	488
25°	1622	1627	1628	1614	1606	747
35°	1430	1446	1448	1430	1409	894
45°	1186	1200	1198	1182	1161	914
55°	894	899	902	879	867	796
65°	554	566	568	548	532	548
75°	223	235	239	231	213	244
85°	34	35	37	35	32	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1777.3	1777.3	1777.3	1777.3	1777.3
2.5°	1777.3	1777.3	1776.3	1775.3	1778.3
5°	1772.9	1772.9	1771.9	1770.9	1773.4
7.5°	1766.0	1765.5	1764.5	1763.5	1765.0
10°	1756.1	1755.6	1753.7	1753.2	1755.1
12.5°	1743.8	1743.3	1740.4	1740.4	1741.9
15°	1728.1	1727.6	1724.6	1723.1	1725.1
17.5°	1710.3	1709.9	1706.4	1702.5	1703.5
20°	1686.7	1686.7	1684.3	1678.3	1676.9
22.5°	1658.2	1659.6	1659.6	1648.3	1643.9
25°	1622.2	1626.7	1628.1	1613.9	1605.5
27.5°	1581.4	1588.3	1592.2	1574.0	1563.1
30°	1534.6	1545.9	1550.8	1531.1	1515.4
32.5°	1483.4	1497.7	1503.6	1484.4	1464.2
35°	1430.2	1445.5	1448.4	1429.7	1408.6
37.5°	1373.6	1389.3	1393.3	1376.5	1350.5
40°	1314.0	1329.8	1329.8	1316.0	1290.4
42.5°	1251.0	1267.7	1267.3	1250.5	1227.4
45°	1185.5	1200.3	1198.3	1182.1	1160.9
47.5°	1118.1	1127.4	1129.9	1110.7	1090.5
50°	1044.2	1053.6	1056.0	1034.4	1018.6
52.5°	971.4	977.3	980.7	955.6	944.3
55°	893.6	899.0	901.5	879.3	867.0
57.5°	811.4	818.2	821.2	799.0	785.3
60°	727.2	734.6	735.5	714.9	702.1
62.5°	641.5	651.4	653.3	632.6	617.4
65°	553.9	565.7	567.7	548.5	532.2
67.5°	466.2	482.0	482.5	466.7	447.5
70°	380.6	397.8	397.3	384.0	365.3
72.5°	298.8	314.6	318.0	305.7	287.5
75°	223.0	235.3	239.3	231.4	212.7
77.5°	158.5	169.9	173.3	165.9	152.1
80°	111.3	111.8	116.2	110.3	100.9
82.5°	68.9	67.9	69.4	67.0	61.5
85°	34.5	35.4	36.9	35.0	32.0
87.5°	11.8	12.3	13.3	13.3	11.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)