

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: P412897

Luminaire Tested: **24PD-65-PP3-L927**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412897
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2008-911-47)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24PD-65-PP3-L927
Description: 6500 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 90 CRI, 2700 CCT LEDS
Light Source: -
Ballast/Driver: -

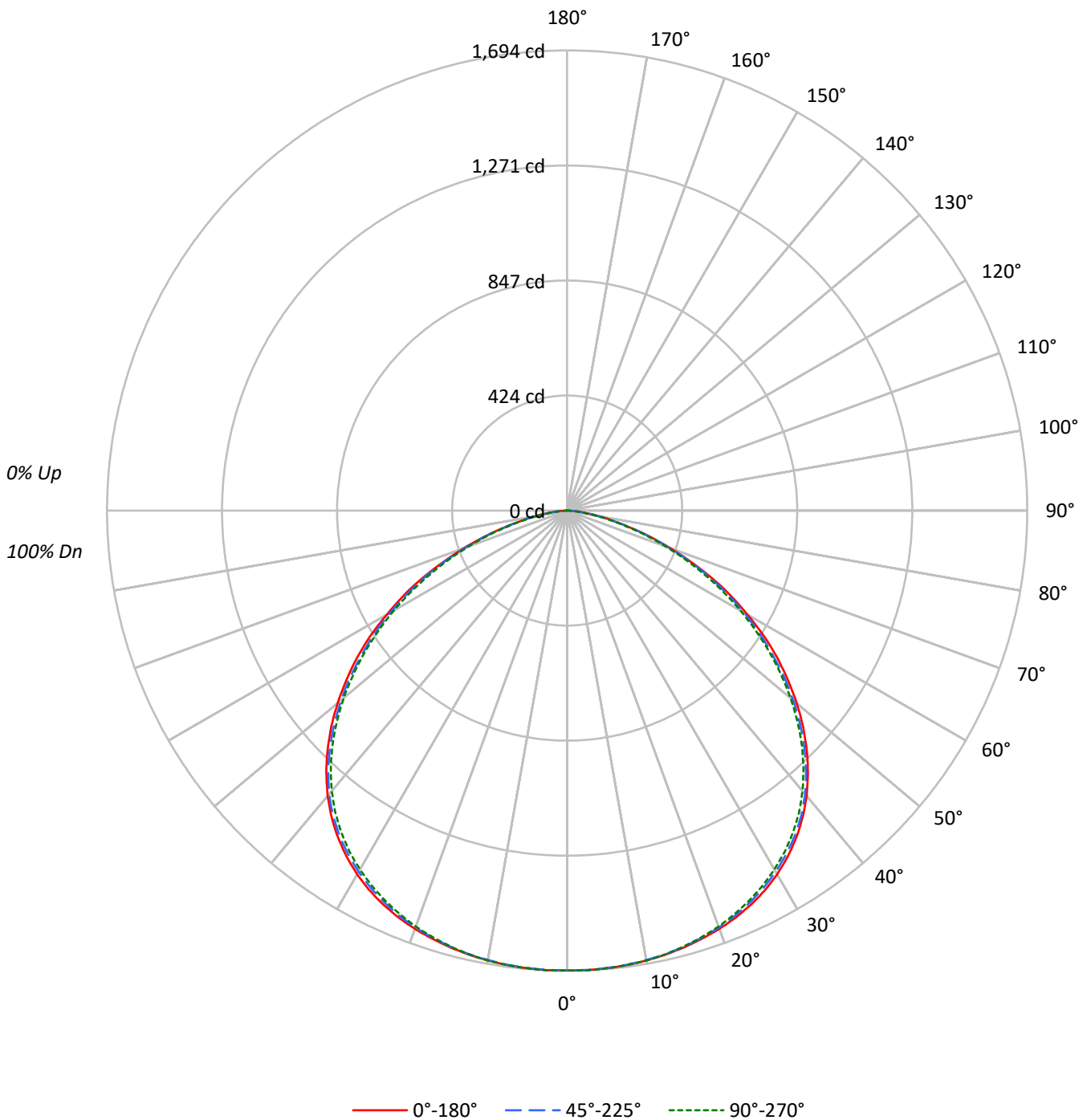
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4926.0 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Spacing Criteria (0/90/45): 1.35 / 1.33 / 1.43
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 (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

TEST NUMBER: P412897
CATALOG NUMBER: 24PD-65-PP3-L927

Luminous Intensity Polar Plot





TEST NUMBER: P412897

CATALOG NUMBER: 24PD-65-PP3-L927

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	98	95	93		95	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80	77	74	71
3	91	81	73	66	89	79	72	66	76	70	65		73	68	64		71	66	63	60
4	83	72	63	56	81	70	62	56	68	61	55		65	59	54		63	58	54	52
5	77	64	55	49	75	63	54	48	61	53	48		59	52	47		57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42		53	46	41		52	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37		48	42	37		47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33		44	38	33		43	37	32	31
9	57	44	35	30	55	43	35	30	42	35	30		41	34	29		40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2278	2278	2278
5°	2284	2283	2284
10°	2298	2295	2297
15°	2318	2315	2314
20°	2346	2339	2333
25°	2376	2363	2352
30°	2402	2385	2370
35°	2415	2401	2379
40°	2409	2394	2367
45°	2375	2351	2325
50°	2309	2272	2248
55°	2214	2160	2133
60°	2063	2027	1986
65°	1870	1832	1779
70°	1596	1566	1516
75°	1246	1234	1175
80°	919	881	831
85°	554	554	517



TEST NUMBER: P412897

CATALOG NUMBER: 24PD-65-PP3-L927

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.1	3.3
10°-20°	470.0	9.5
20°-30°	734.6	14.9
30°-40°	913.0	18.5
40°-50°	951.3	19.3
50°-60°	825.4	16.8
60°-70°	567.6	11.5
70°-80°	256.1	5.2
80°-90°	46.9	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°	1365.7	27.7
0°-40°	2278.7	46.3
0°-60°	4055.4	82.3
0°-90°	4926.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4926.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1693	1693	1693	1693	1693	
5°	1691	1691	1690	1689	1691	161
15°	1664	1664	1662	1660	1661	471
25°	1600	1600	1592	1586	1585	738
35°	1470	1470	1462	1453	1448	919
45°	1248	1248	1236	1226	1222	961
55°	944	938	921	910	909	841
65°	587	585	576	562	559	580
75°	240	241	237	231	226	261
85°	36	35	36	35	34	49
90°	0	0	0	0	0	



TEST NUMBER: P412897

CATALOG NUMBER: 24PD-65-PP3-L927

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1692.9	1692.9	1692.9	1692.9	1692.9
2.5°	1693.4	1693.4	1692.4	1691.0	1694.4
5°	1691.0	1691.4	1690.5	1689.0	1691.4
7.5°	1687.5	1688.0	1686.5	1685.0	1687.0
10°	1682.1	1681.6	1680.1	1679.1	1681.6
12.5°	1674.2	1673.7	1672.2	1671.3	1673.2
15°	1664.4	1664.4	1661.9	1660.4	1660.9
17.5°	1652.6	1652.6	1649.1	1645.7	1646.6
20°	1638.8	1638.3	1633.4	1629.9	1629.4
22.5°	1621.5	1621.5	1614.7	1610.2	1608.7
25°	1600.4	1599.9	1592.0	1585.6	1584.6
27.5°	1576.3	1575.3	1565.9	1559.5	1557.1
30°	1546.2	1545.2	1535.4	1528.5	1525.6
32.5°	1510.8	1512.3	1500.9	1493.1	1490.1
35°	1470.4	1470.4	1461.6	1453.2	1448.3
37.5°	1424.1	1424.1	1415.8	1407.4	1401.5
40°	1371.5	1372.0	1363.1	1352.8	1347.8
42.5°	1312.4	1313.4	1301.6	1293.2	1287.8
45°	1247.9	1248.4	1235.6	1226.2	1221.8
47.5°	1178.0	1177.0	1162.7	1154.9	1150.4
50°	1103.2	1101.2	1085.5	1078.1	1074.1
52.5°	1024.9	1021.0	1007.2	996.4	992.9
55°	943.7	938.3	921.0	910.2	909.2
57.5°	859.0	852.6	838.3	828.0	824.1
60°	766.5	765.0	753.2	740.9	737.9
62.5°	679.8	675.4	665.1	650.3	648.8
65°	587.3	584.8	575.5	561.7	558.7
67.5°	491.8	494.2	486.4	474.1	470.1
70°	405.6	407.1	398.2	386.9	385.4
72.5°	319.0	321.5	314.1	306.7	305.2
75°	239.7	240.7	237.3	230.9	226.0
77.5°	170.3	173.8	169.8	165.4	161.5
80°	118.6	113.2	113.7	111.7	107.3
82.5°	71.4	68.9	68.4	66.5	64.5
85°	35.9	35.4	35.9	35.4	33.5
87.5°	11.8	12.8	13.3	13.3	12.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)