

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: P412884

Luminaire Tested: **24PD-60-PP3-L830**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412884
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-60-PP3-L830
Description: 6000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

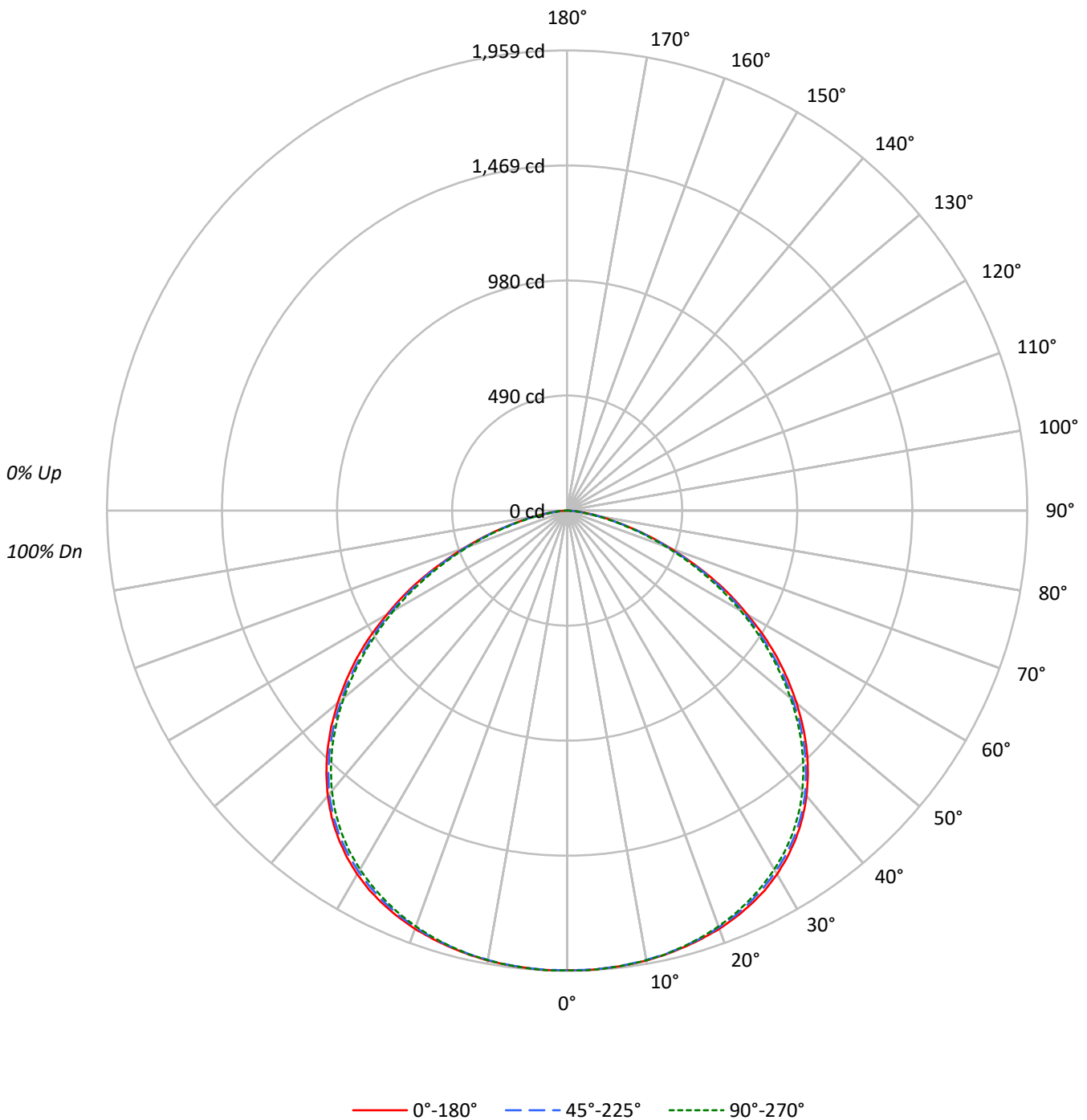
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5695.0 lumens
Efficiency: N/A
Efficacy: 125.4 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): 45.4
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: P412884
CATALOG NUMBER: 24PD-60-PP3-L830

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	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°	2633	2633	2633
5°	2640	2640	2641
10°	2657	2654	2656
15°	2680	2676	2675
20°	2713	2704	2697
25°	2747	2732	2720
30°	2777	2758	2740
35°	2792	2775	2750
40°	2785	2768	2737
45°	2745	2718	2688
50°	2670	2627	2599
55°	2559	2498	2466
60°	2384	2343	2296
65°	2162	2118	2057
70°	1845	1811	1753
75°	1441	1426	1358
80°	1063	1019	962
85°	641	641	597



TEST NUMBER: P412884

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.2	3.3
10°-20°	543.4	9.5
20°-30°	849.3	14.9
30°-40°	1055.5	18.5
40°-50°	1099.8	19.3
50°-60°	954.3	16.8
60°-70°	656.2	11.5
70°-80°	296.1	5.2
80°-90°	54.3	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°	1578.9	27.7
0°-40°	2634.4	46.3
0°-60°	4688.4	82.3
0°-90°	5695.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5695.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1957	1957	1957	1957	1957	
5°	1955	1956	1954	1953	1956	186
15°	1924	1924	1921	1920	1920	544
25°	1850	1850	1840	1833	1832	854
35°	1700	1700	1690	1680	1674	1062
45°	1443	1443	1428	1418	1413	1110
55°	1091	1085	1065	1052	1051	972
65°	679	676	665	649	646	670
75°	277	278	274	267	261	302
85°	42	41	42	41	39	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1957.2	1957.2	1957.2	1957.2	1957.2
2.5°	1957.8	1957.8	1956.6	1954.9	1958.9
5°	1954.9	1955.5	1954.4	1952.7	1955.5
7.5°	1950.9	1951.5	1949.8	1948.1	1950.4
10°	1944.7	1944.1	1942.4	1941.3	1944.1
12.5°	1935.6	1935.0	1933.3	1932.2	1934.4
15°	1924.2	1924.2	1921.4	1919.6	1920.2
17.5°	1910.5	1910.5	1906.6	1902.6	1903.7
20°	1894.6	1894.0	1888.3	1884.4	1883.8
22.5°	1874.7	1874.7	1866.7	1861.6	1859.9
25°	1850.2	1849.6	1840.5	1833.1	1832.0
27.5°	1822.3	1821.2	1810.4	1803.0	1800.1
30°	1787.6	1786.5	1775.1	1767.1	1763.7
32.5°	1746.6	1748.3	1735.2	1726.1	1722.7
35°	1700.0	1700.0	1689.7	1680.0	1674.4
37.5°	1646.5	1646.5	1636.8	1627.1	1620.3
40°	1585.6	1586.1	1575.9	1563.9	1558.3
42.5°	1517.3	1518.4	1504.8	1495.1	1488.8
45°	1442.7	1443.3	1428.5	1417.7	1412.6
47.5°	1361.9	1360.8	1344.3	1335.2	1330.0
50°	1275.4	1273.1	1254.9	1246.4	1241.8
52.5°	1184.9	1180.4	1164.4	1151.9	1147.9
55°	1091.0	1084.7	1064.8	1052.3	1051.2
57.5°	993.1	985.7	969.2	957.3	952.7
60°	886.1	884.4	870.8	856.5	853.1
62.5°	786.0	780.8	768.9	751.8	750.1
65°	679.0	676.1	665.3	649.4	646.0
67.5°	568.6	571.4	562.3	548.1	543.5
70°	469.0	470.7	460.4	447.3	445.6
72.5°	368.8	371.6	363.1	354.6	352.9
75°	277.2	278.3	274.3	266.9	261.2
77.5°	196.9	200.9	196.3	191.2	186.7
80°	137.2	130.9	131.5	129.2	124.1
82.5°	82.5	79.7	79.1	76.8	74.6
85°	41.5	41.0	41.5	41.0	38.7
87.5°	13.7	14.8	15.4	15.4	14.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)