

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: P412830

Luminaire Tested: **24PD-30-PP3-L830**

Issue Date: 9/15/2020



Test Information

Test Method: LM-79-08
Report Number: P412830
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-30-PP3-L830
Description: 3000 LUMEN 2X4 PERCEIVE LED TROFFER WITH PRISM PATTERN OPTICS AND 80 CRI, 3000 CCT LEDS
Light Source: -
Ballast/Driver: -

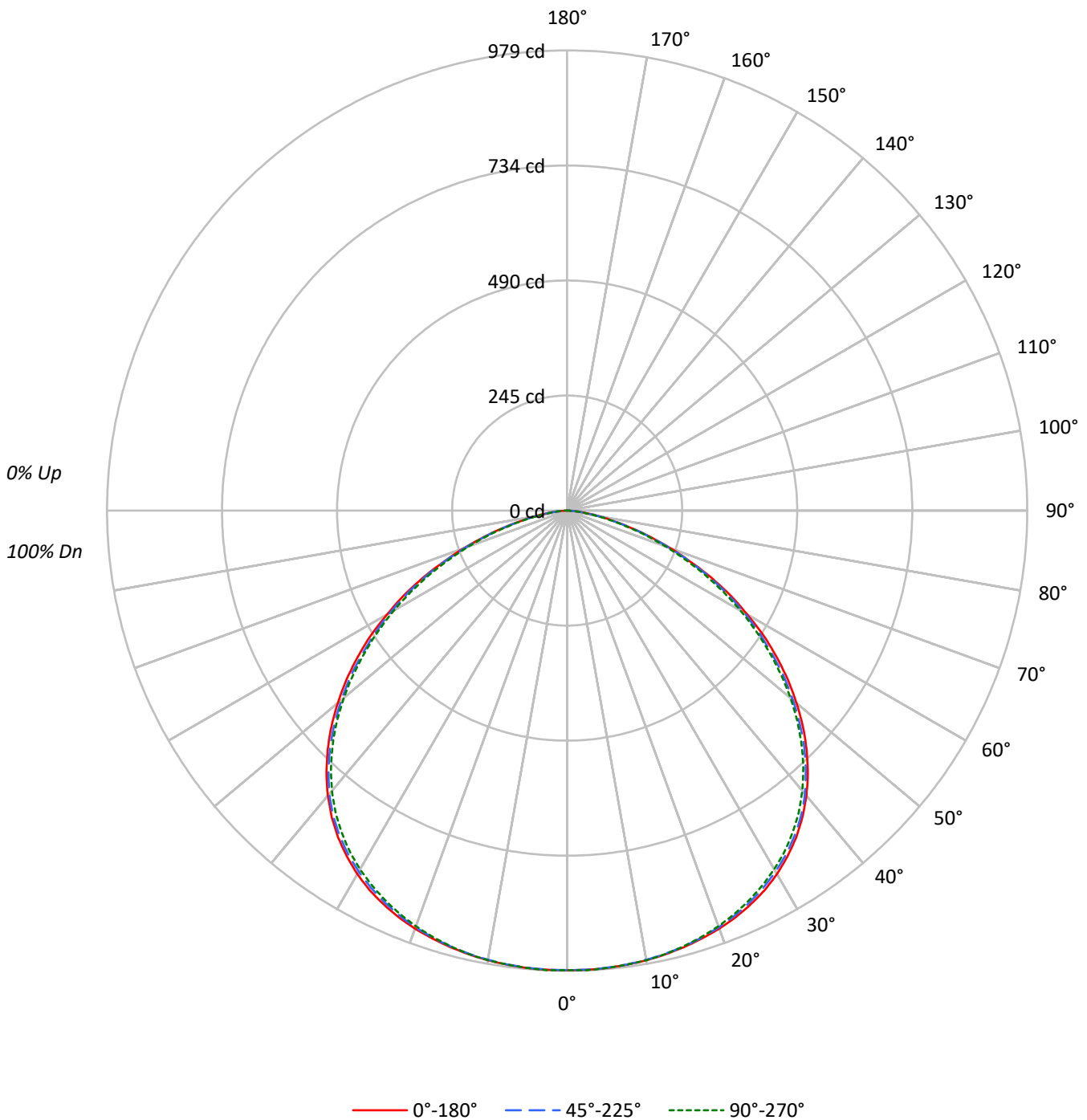
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2845.0 lumens
Efficiency: N/A
Efficacy: 129.3 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): 22
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: P412830
CATALOG NUMBER: 24PD-30-PP3-L830

Luminous Intensity Polar Plot





TEST NUMBER: P412830

CATALOG NUMBER: 24PD-30-PP3-L830

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°	1315	1315	1315
5°	1319	1319	1319
10°	1327	1326	1327
15°	1339	1337	1336
20°	1355	1351	1348
25°	1372	1365	1359
30°	1387	1378	1369
35°	1395	1386	1374
40°	1391	1383	1367
45°	1371	1358	1343
50°	1334	1312	1299
55°	1278	1248	1232
60°	1191	1171	1147
65°	1080	1058	1027
70°	922	905	876
75°	720	712	678
80°	531	509	480
85°	321	321	298



TEST NUMBER: P412830

CATALOG NUMBER: 24PD-30-PP3-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.0	3.3
10°-20°	271.4	9.5
20°-30°	424.3	14.9
30°-40°	527.3	18.5
40°-50°	549.4	19.3
50°-60°	476.7	16.8
60°-70°	327.8	11.5
70°-80°	147.9	5.2
80°-90°	27.1	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°	788.7	27.7
0°-40°	1316.0	46.3
0°-60°	2342.1	82.3
0°-90°	2845.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2845.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	978	978	978	978	978	
5°	977	977	976	976	977	93
15°	961	961	960	959	959	272
25°	924	924	920	916	915	426
35°	849	849	844	839	836	531
45°	721	721	714	708	706	555
55°	545	542	532	526	525	486
65°	339	338	332	324	323	335
75°	138	139	137	133	130	151
85°	21	20	21	20	19	28
90°	0	0	0	0	0	



TEST NUMBER: P412830

CATALOG NUMBER: 24PD-30-PP3-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	977.7	977.7	977.7	977.7	977.7
2.5°	978.0	978.0	977.5	976.6	978.6
5°	976.6	976.9	976.3	975.5	976.9
7.5°	974.6	974.9	974.0	973.2	974.3
10°	971.5	971.2	970.4	969.8	971.2
12.5°	966.9	966.7	965.8	965.2	966.4
15°	961.3	961.3	959.8	959.0	959.3
17.5°	954.4	954.4	952.4	950.4	951.0
20°	946.5	946.2	943.3	941.4	941.1
22.5°	936.5	936.5	932.5	930.0	929.1
25°	924.3	924.0	919.5	915.8	915.2
27.5°	910.4	909.8	904.4	900.7	899.3
30°	893.0	892.5	886.8	882.8	881.1
32.5°	872.5	873.4	866.9	862.3	860.6
35°	849.2	849.2	844.1	839.3	836.4
37.5°	822.5	822.5	817.7	812.8	809.4
40°	792.1	792.4	787.3	781.3	778.4
42.5°	758.0	758.5	751.7	746.9	743.8
45°	720.7	721.0	713.6	708.2	705.7
47.5°	680.4	679.8	671.5	667.0	664.4
50°	637.1	636.0	626.9	622.6	620.4
52.5°	591.9	589.7	581.7	575.4	573.5
55°	545.0	541.9	531.9	525.7	525.1
57.5°	496.1	492.4	484.2	478.2	475.9
60°	442.7	441.8	435.0	427.9	426.2
62.5°	392.6	390.1	384.1	375.6	374.7
65°	339.2	337.8	332.4	324.4	322.7
67.5°	284.0	285.4	280.9	273.8	271.5
70°	234.3	235.1	230.0	223.5	222.6
72.5°	184.2	185.7	181.4	177.1	176.3
75°	138.5	139.0	137.0	133.3	130.5
77.5°	98.4	100.4	98.1	95.5	93.3
80°	68.5	65.4	65.7	64.5	62.0
82.5°	41.2	39.8	39.5	38.4	37.2
85°	20.8	20.5	20.8	20.5	19.3
87.5°	6.8	7.4	7.7	7.7	7.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)