

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: CORELITE

Report Number: P737823

Luminaire Tested: **14PT-40-PP3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737823
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-40-PP3-L830
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

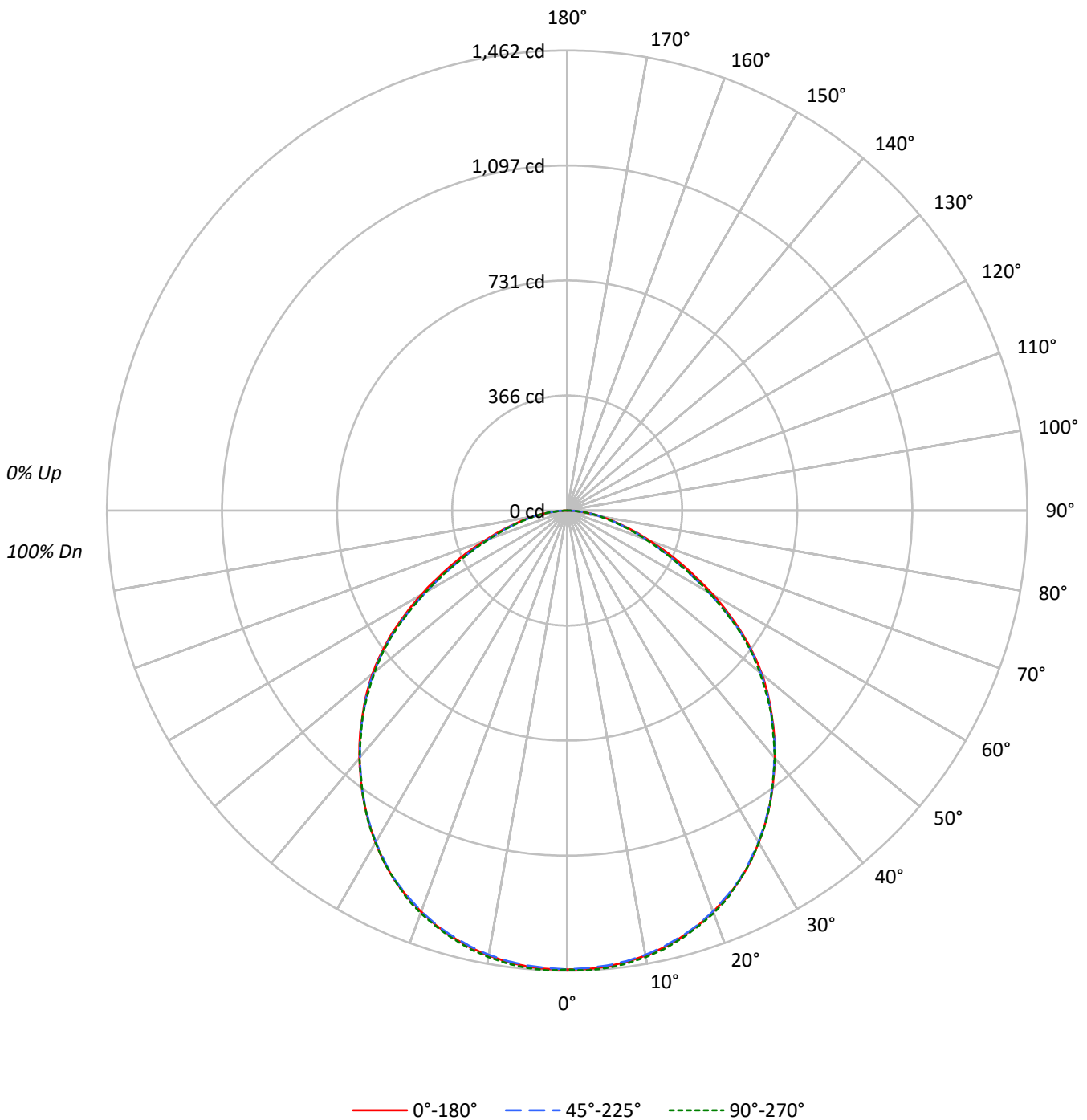
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3768.0 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 32.1
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	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	78	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4372	4372	4372
5°	4376	4367	4390
10°	4370	4364	4385
15°	4355	4347	4367
20°	4327	4323	4342
25°	4288	4281	4287
30°	4217	4207	4217
35°	4124	4119	4123
40°	4019	4006	4017
45°	3898	3887	3892
50°	3768	3750	3723
55°	3547	3506	3494
60°	3218	3110	3117
65°	2828	2685	2681
70°	2446	2334	2306
75°	2115	2035	1992
80°	1873	1846	1765
85°	1548	1603	1510



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.3	3.7
10°-20°	396.2	10.5
20°-30°	596.5	15.8
30°-40°	704.0	18.7
40°-50°	708.1	18.8
50°-60°	597.7	15.9
60°-70°	383.9	10.2
70°-80°	190.9	5.1
80°-90°	52.3	1.4
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°	1131.0	30.0
0°-40°	1835.1	48.7
0°-60°	3140.8	83.4
0°-90°	3768.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3768.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1458	1458	1458	1458	1458	
5°	1454	1455	1451	1458	1459	138
15°	1403	1404	1401	1407	1407	396
25°	1296	1297	1294	1297	1296	596
35°	1127	1128	1125	1126	1126	704
45°	919	923	917	918	918	710
55°	679	678	671	668	668	604
65°	399	393	378	375	378	397
75°	183	182	176	174	172	198
85°	45	47	47	44	44	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1458.3	1458.3	1458.3	1458.3	1458.3
2.5°	1457.8	1458.3	1454.6	1461.5	1462.5
5°	1454.1	1454.6	1450.9	1457.8	1458.8
7.5°	1446.6	1447.2	1444.0	1450.4	1451.4
10°	1435.5	1437.1	1433.4	1439.2	1440.3
12.5°	1421.8	1422.3	1418.6	1425.5	1426.5
15°	1403.2	1403.8	1400.6	1407.0	1407.0
17.5°	1382.1	1382.6	1380.5	1385.8	1385.2
20°	1356.1	1357.7	1355.1	1358.8	1360.9
22.5°	1328.1	1328.6	1325.4	1330.2	1332.3
25°	1296.3	1296.9	1294.2	1296.9	1295.8
27.5°	1259.3	1260.3	1256.6	1259.3	1259.8
30°	1218.0	1220.6	1215.3	1217.5	1218.0
32.5°	1173.5	1175.1	1171.4	1171.9	1174.6
35°	1126.9	1127.5	1125.3	1126.4	1126.4
37.5°	1076.7	1078.8	1075.6	1077.2	1075.1
40°	1026.9	1024.8	1023.7	1024.8	1026.4
42.5°	974.5	975.0	973.4	972.4	969.7
45°	919.4	922.6	916.8	917.9	917.9
47.5°	865.4	866.0	862.8	859.6	857.5
50°	807.8	807.8	804.0	801.4	798.2
52.5°	744.8	743.7	739.5	736.8	738.4
55°	678.6	678.1	670.7	668.0	668.5
57.5°	606.1	607.1	596.0	593.4	593.4
60°	536.7	531.4	518.7	515.0	519.8
62.5°	464.2	457.9	444.1	444.1	447.8
65°	398.6	392.8	378.5	374.8	377.9
67.5°	337.2	331.9	318.7	316.5	317.6
70°	279.0	274.2	266.3	261.5	263.1
72.5°	228.7	224.4	219.1	215.4	213.3
75°	182.6	181.6	175.7	174.1	172.0
77.5°	144.5	144.0	139.2	137.1	135.0
80°	108.5	108.0	106.9	103.7	102.2
82.5°	77.3	77.3	76.8	74.1	72.5
85°	45.0	46.6	46.6	43.9	43.9
87.5°	18.0	19.1	18.0	18.0	17.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)