

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: P738441

Luminaire Tested: **24PT-30-PL1-L840**

Issue Date: 2/8/2024



**Test Information**

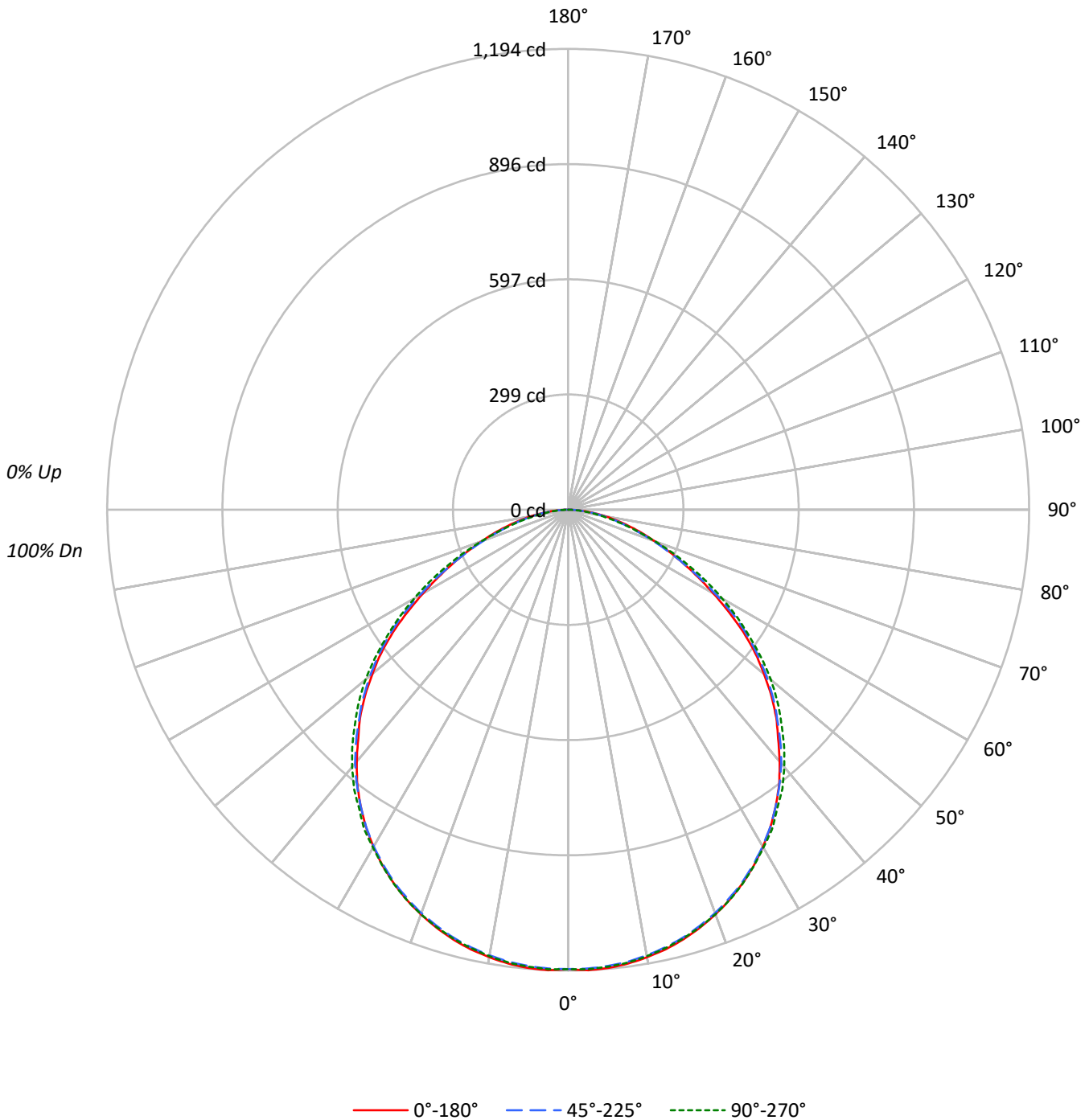
Test Method: LM-79-08  
Report Number: P738441  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-30-PL1-L840  
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3151.0 lumens  
Efficiency: N/A  
Efficacy: 132.4 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35  
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 23.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1707	1707	1707
5°	1715	1708	1711
10°	1714	1707	1710
15°	1711	1704	1708
20°	1703	1697	1702
25°	1690	1686	1692
30°	1670	1668	1674
35°	1640	1640	1653
40°	1595	1607	1629
45°	1545	1552	1583
50°	1476	1493	1529
55°	1386	1411	1433
60°	1244	1275	1322
65°	1113	1116	1176
70°	993	965	1000
75°	896	844	828
80°	797	743	656
85°	653	619	512



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.9	3.6
10°-20°	324.2	10.3
20°-30°	491.2	15.6
30°-40°	587.0	18.6
40°-50°	592.2	18.8
50°-60°	502.4	15.9
60°-70°	332.4	10.5
70°-80°	165.0	5.2
80°-90°	43.7	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°	928.4	29.5
0°-40°	1515.4	48.1
0°-60°	2610.0	82.8
0°-90°	3151.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3151.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1190	1190	1190	1190	1190	
5°	1192	1188	1187	1186	1188	113
15°	1153	1149	1148	1148	1150	325
25°	1068	1066	1066	1066	1069	492
35°	937	936	937	942	944	585
45°	762	761	766	776	780	586
55°	554	556	565	570	573	493
65°	328	328	329	339	347	327
75°	162	157	152	148	150	173
85°	40	40	38	35	31	47
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1190.4	1190.4	1190.4	1190.4	1190.4
2.5°	1194.5	1190.8	1189.8	1189.1	1191.8
5°	1191.8	1187.7	1186.7	1186.0	1188.4
7.5°	1186.3	1181.9	1181.2	1180.5	1183.6
10°	1177.4	1173.3	1172.6	1172.0	1174.7
12.5°	1166.8	1162.7	1161.3	1161.7	1163.4
15°	1152.8	1149.0	1148.0	1148.0	1150.4
17.5°	1135.3	1131.9	1131.2	1130.9	1134.0
20°	1115.8	1112.4	1112.4	1113.4	1115.2
22.5°	1093.6	1091.2	1089.8	1090.5	1093.9
25°	1068.3	1065.9	1065.9	1065.5	1069.3
27.5°	1040.2	1037.1	1037.1	1039.9	1041.2
30°	1008.7	1006.0	1007.4	1009.4	1010.8
32.5°	974.9	973.2	974.2	977.3	982.7
35°	936.9	935.5	937.2	942.4	944.4
37.5°	897.2	896.2	898.6	905.4	911.2
40°	852.0	852.0	858.5	864.7	870.2
42.5°	805.1	808.2	813.0	822.6	827.4
45°	762.0	761.0	765.5	775.7	780.5
47.5°	714.1	713.1	719.6	726.8	734.7
50°	661.8	661.4	669.3	675.5	685.4
52.5°	610.8	613.9	619.0	624.5	630.3
55°	554.3	555.7	564.6	569.7	573.1
57.5°	493.4	497.9	508.8	516.3	519.4
60°	433.9	436.6	444.5	457.8	460.9
62.5°	379.8	380.8	385.6	400.7	404.8
65°	328.1	327.5	328.8	339.1	346.6
67.5°	281.3	278.5	278.5	284.0	293.2
70°	236.8	232.7	230.3	232.0	238.5
72.5°	199.5	194.0	187.9	186.8	190.9
75°	161.8	157.4	152.3	147.5	149.5
77.5°	129.0	125.2	120.4	115.0	112.2
80°	96.5	95.1	90.0	84.9	79.4
82.5°	67.4	66.4	63.0	58.9	55.4
85°	39.7	39.7	37.6	34.6	31.1
87.5°	17.8	17.1	17.8	15.1	14.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)