

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: P737835

Luminaire Tested: **14PT-40-PR1-L930**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737835  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-40-PR1-L930  
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

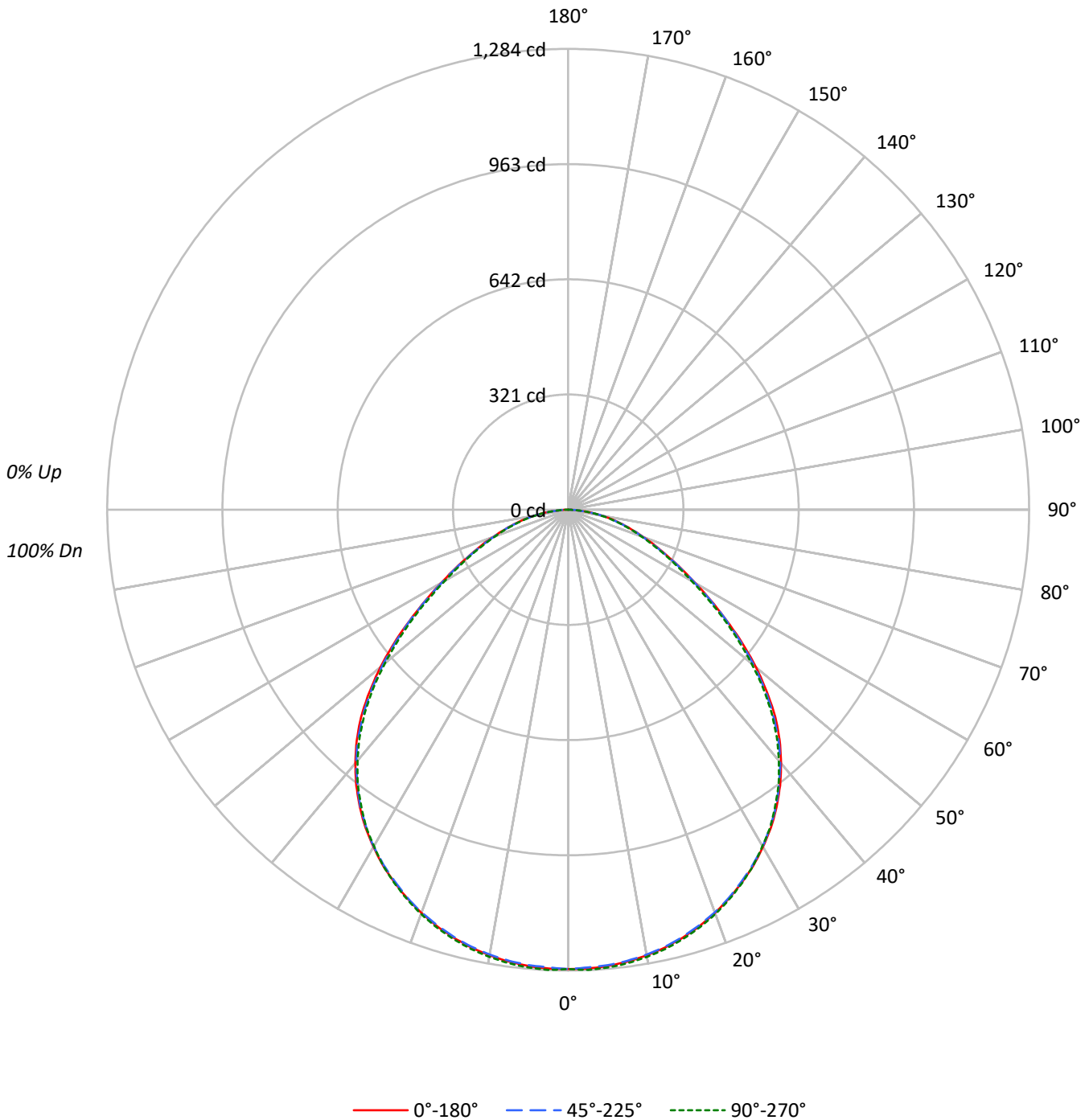
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3237.0 lumens  
Efficiency: N/A  
Efficacy: 100.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 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<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									
RC	80									70									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	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						100													
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85						85													
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73						73													
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62						62													
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54						54													
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47						47													
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41						41													
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37						37													
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33						33													
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30						30													
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27						27													

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

	0°	45°	90°
0°	3838	3838	3838
5°	3841	3833	3853
10°	3838	3831	3852
15°	3830	3825	3843
20°	3814	3810	3825
25°	3789	3780	3794
30°	3756	3751	3746
35°	3704	3695	3680
40°	3611	3596	3571
45°	3460	3422	3396
50°	3184	3147	3109
55°	2817	2806	2750
60°	2448	2440	2374
65°	2158	2145	2103
70°	1958	1930	1890
75°	1812	1770	1738
80°	1656	1632	1576
85°	1311	1293	1245



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.4	3.8
10°-20°	348.5	10.8
20°-30°	527.9	16.3
30°-40°	630.2	19.5
40°-50°	619.8	19.1
50°-60°	479.0	14.8
60°-70°	302.1	9.3
70°-80°	163.4	5.0
80°-90°	44.6	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°	997.8	30.8
0°-40°	1628.1	50.3
0°-60°	2726.9	84.2
0°-90°	3237.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3237.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1280	1280	1280	1280	1280	
5°	1276	1277	1274	1279	1280	121
15°	1234	1234	1232	1236	1238	348
25°	1146	1146	1143	1146	1147	528
35°	1012	1012	1010	1008	1006	632
45°	816	813	807	800	801	625
55°	539	544	537	528	526	484
65°	304	305	302	297	296	306
75°	156	155	153	154	150	166
85°	38	38	38	38	36	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1280.0	1280.0	1280.0	1280.0	1280.0
2.5°	1279.5	1280.0	1276.3	1282.2	1283.6
5°	1276.3	1276.7	1273.5	1279.0	1280.4
7.5°	1269.9	1270.8	1267.6	1273.1	1274.4
10°	1260.7	1261.6	1258.4	1263.9	1265.3
12.5°	1249.2	1249.7	1246.9	1252.0	1253.3
15°	1234.1	1234.5	1232.2	1236.4	1238.2
17.5°	1216.6	1217.1	1213.9	1218.9	1219.9
20°	1195.5	1196.0	1194.2	1198.3	1198.8
22.5°	1172.1	1173.1	1170.3	1174.0	1174.4
25°	1145.5	1146.5	1142.8	1146.5	1146.9
27.5°	1117.6	1118.0	1114.8	1117.6	1117.1
30°	1085.0	1087.7	1083.6	1082.7	1082.2
32.5°	1051.0	1051.5	1047.4	1046.4	1048.3
35°	1012.0	1012.5	1009.7	1008.4	1005.6
37.5°	969.4	969.4	964.3	963.4	962.9
40°	922.6	922.1	918.9	915.7	912.5
42.5°	871.7	872.6	866.1	860.6	859.7
45°	816.1	812.9	807.0	800.5	801.0
47.5°	750.5	751.5	743.2	738.2	736.8
50°	682.6	682.6	674.8	669.3	666.6
52.5°	611.5	612.0	604.7	597.3	595.9
55°	539.0	543.6	536.8	528.0	526.2
57.5°	471.2	474.8	468.4	459.2	458.8
60°	408.3	408.8	406.9	398.2	395.9
62.5°	354.6	352.3	351.4	346.8	344.1
65°	304.2	304.6	302.3	297.3	296.4
67.5°	263.3	262.9	258.7	255.5	253.7
70°	223.4	222.0	220.2	217.5	215.6
72.5°	187.6	187.6	186.3	185.3	182.1
75°	156.4	154.6	152.8	153.7	150.0
77.5°	126.6	124.8	123.4	121.6	120.7
80°	95.9	94.0	94.5	91.8	91.3
82.5°	66.5	66.5	65.6	63.3	63.8
85°	38.1	38.5	37.6	38.1	36.2
87.5°	13.8	14.2	15.1	14.2	14.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)