

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: P737819

Luminaire Tested: **14PT-40-PL1-L930**

Issue Date: 2/8/2024



**Test Information**

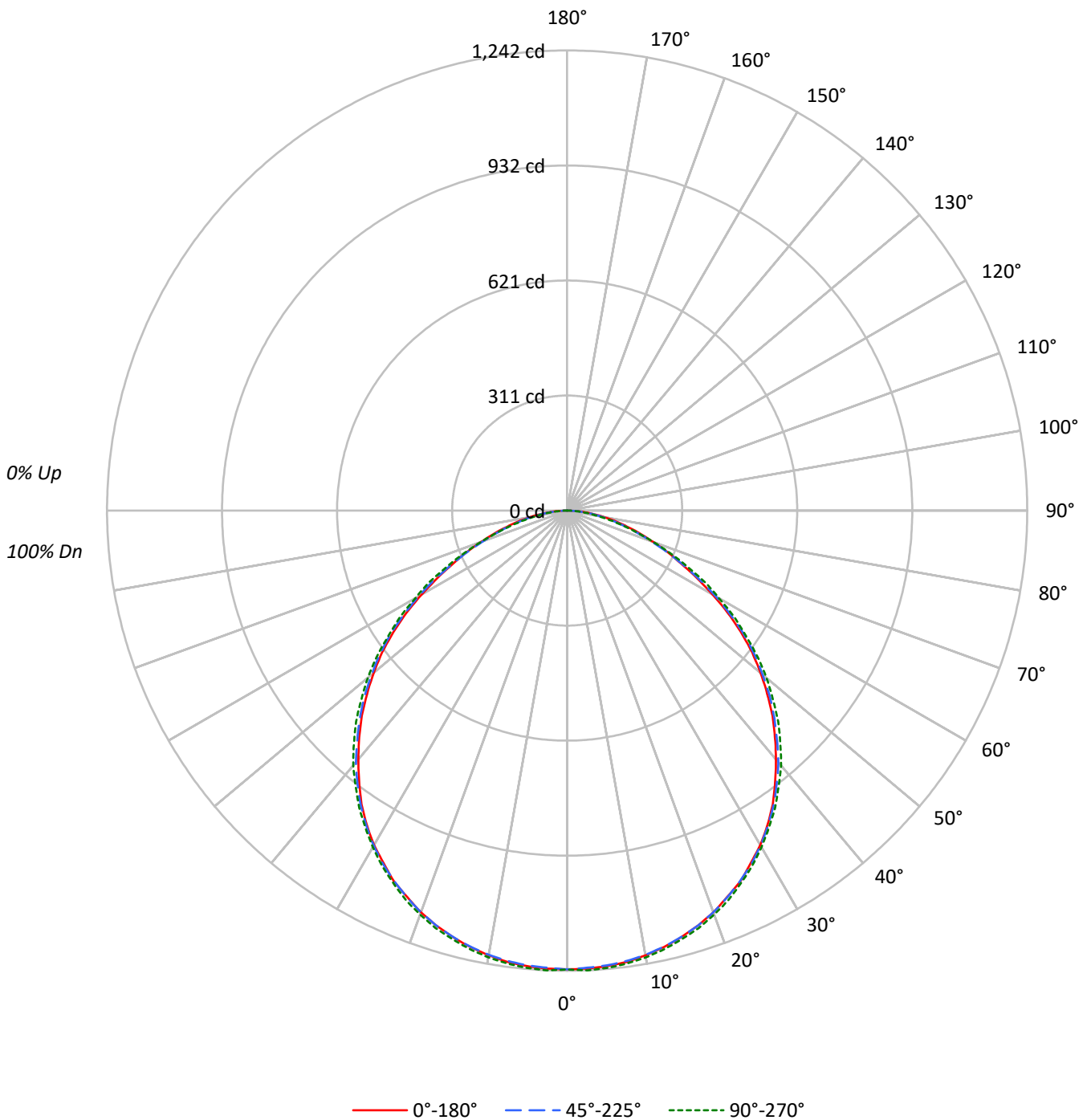
Test Method: LM-79-08  
Report Number: P737819  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-40-PL1-L930  
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3264.0 lumens  
Efficiency: N/A  
Efficacy: 101.7 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35  
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 (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

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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	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	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	41	33	28	40	33	28	39	32	28	38	32	28	26

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

	0°	45°	90°
0°	3712	3712	3712
5°	3715	3708	3729
10°	3711	3707	3727
15°	3699	3698	3717
20°	3681	3681	3702
25°	3656	3651	3671
30°	3610	3615	3632
35°	3541	3555	3583
40°	3431	3471	3516
45°	3324	3352	3416
50°	3178	3212	3276
55°	2992	3041	3077
60°	2715	2773	2842
65°	2411	2438	2535
70°	2156	2112	2163
75°	1945	1834	1797
80°	1766	1640	1457
85°	1500	1359	1166



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.5	3.6
10°-20°	336.9	10.3
20°-30°	509.6	15.6
30°-40°	607.4	18.6
40°-50°	610.8	18.7
50°-60°	518.3	15.9
60°-70°	345.1	10.6
70°-80°	172.3	5.3
80°-90°	46.1	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°	963.9	29.5
0°-40°	1571.3	48.1
0°-60°	2700.4	82.7
0°-90°	3264.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3264.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1238	1238	1238	1238	1238	
5°	1234	1235	1232	1238	1239	117
15°	1192	1193	1191	1196	1197	336
25°	1105	1105	1104	1109	1110	508
35°	968	968	971	978	979	604
45°	784	785	790	801	806	603
55°	572	577	582	587	589	510
65°	340	343	344	349	357	341
75°	168	166	158	155	155	180
85°	44	43	40	37	34	50
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1238.2	1238.2	1238.2	1238.2	1238.2
2.5°	1237.3	1238.2	1235.0	1241.0	1242.3
5°	1234.5	1235.0	1232.2	1237.8	1239.1
7.5°	1228.6	1229.0	1226.3	1232.2	1233.2
10°	1218.9	1219.9	1217.6	1223.1	1224.4
12.5°	1206.6	1207.9	1205.6	1211.6	1212.5
15°	1191.9	1193.3	1191.4	1196.5	1197.4
17.5°	1174.0	1174.9	1174.0	1178.6	1181.3
20°	1153.8	1153.8	1153.8	1157.9	1160.2
22.5°	1128.6	1130.9	1129.9	1135.4	1137.7
25°	1105.2	1105.2	1103.8	1108.8	1109.8
27.5°	1072.6	1076.3	1075.8	1080.4	1081.3
30°	1042.8	1043.7	1044.2	1047.4	1049.2
32.5°	1006.5	1007.5	1008.8	1013.4	1013.9
35°	967.5	968.5	971.2	978.1	979.0
37.5°	922.1	927.2	929.5	936.8	937.7
40°	876.7	879.9	886.8	894.6	898.3
42.5°	830.4	834.0	838.2	848.7	851.9
45°	784.0	785.4	790.5	801.0	805.6
47.5°	732.6	736.8	741.4	750.5	753.3
50°	681.3	685.9	688.6	696.9	702.4
52.5°	629.4	633.6	636.8	641.8	647.3
55°	572.5	576.7	581.7	587.2	588.6
57.5°	514.7	519.3	522.5	528.5	534.5
60°	452.8	457.8	462.4	467.9	473.9
62.5°	395.0	397.3	401.9	411.1	419.8
65°	339.9	342.7	343.6	348.7	357.4
67.5°	294.1	294.1	289.9	291.8	301.4
70°	245.9	244.1	240.9	239.0	246.8
72.5°	206.9	204.6	197.7	194.5	198.6
75°	167.9	165.6	158.3	154.6	155.1
77.5°	134.9	131.2	125.2	118.8	117.4
80°	102.3	100.9	95.0	89.0	84.4
82.5°	72.5	69.3	66.1	62.4	58.7
85°	43.6	42.7	39.5	37.2	33.9
87.5°	17.9	17.9	17.0	16.1	15.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)