

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: P737827

Luminaire Tested: **14PT-40-PP3-L930**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P737827  
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-L930  
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PRISM LENS

Light Source: -  
Ballast/Driver: -

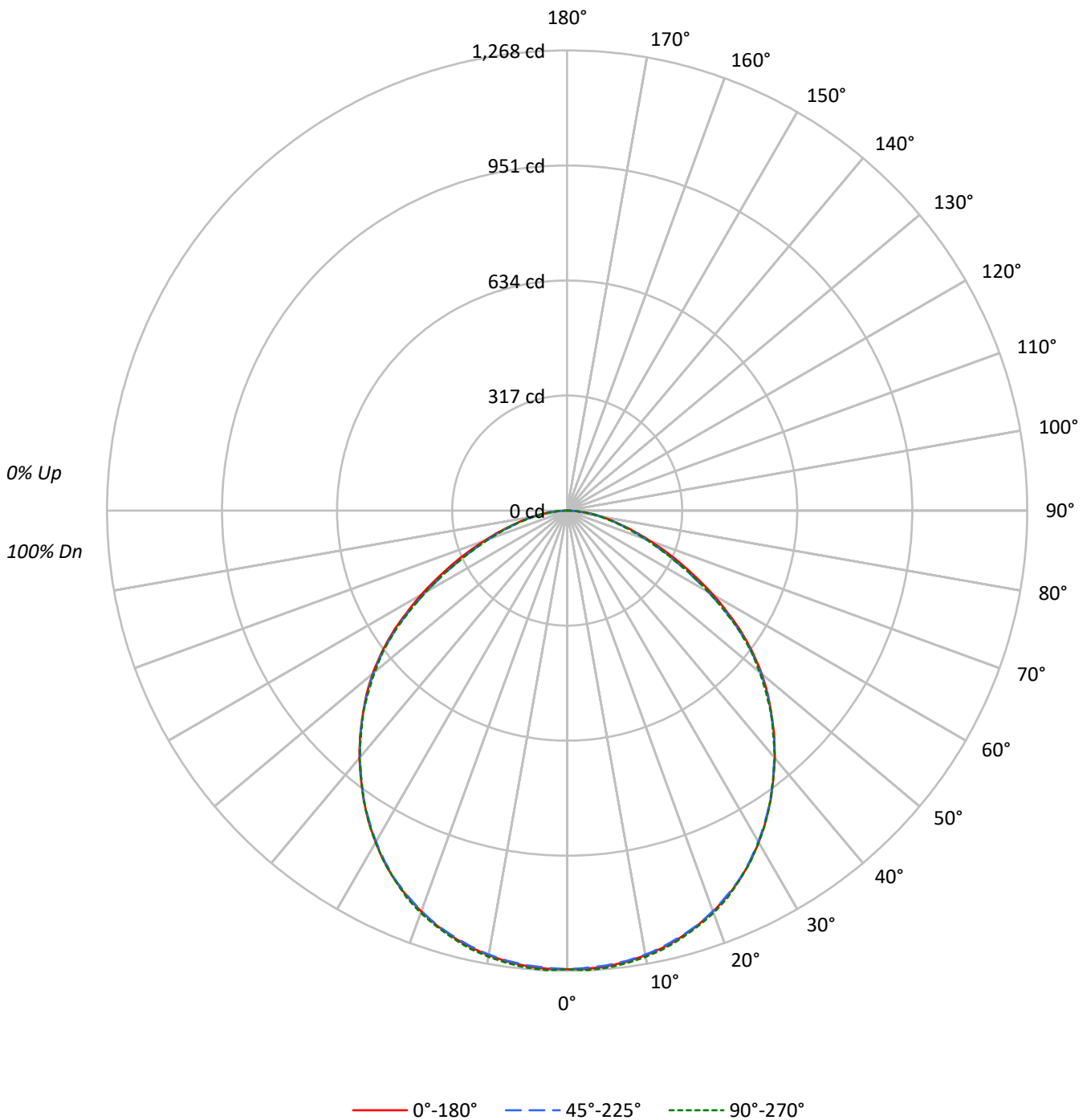
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3266.0 lumens  
Efficiency: N/A  
Efficacy: 101.7 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<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	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°	3790	3790	3790
5°	3793	3785	3806
10°	3788	3782	3801
15°	3775	3768	3785
20°	3750	3747	3763
25°	3717	3711	3716
30°	3655	3647	3655
35°	3575	3570	3573
40°	3484	3473	3482
45°	3379	3369	3373
50°	3265	3250	3227
55°	3075	3038	3029
60°	2789	2696	2701
65°	2451	2327	2324
70°	2120	2023	1999
75°	1834	1764	1727
80°	1625	1600	1528
85°	1342	1390	1311



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.9	3.7
10°-20°	343.4	10.5
20°-30°	517.0	15.8
30°-40°	610.2	18.7
40°-50°	613.7	18.8
50°-60°	518.1	15.9
60°-70°	332.7	10.2
70°-80°	165.5	5.1
80°-90°	45.4	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°	980.3	30.0
0°-40°	1590.6	48.7
0°-60°	2722.4	83.4
0°-90°	3266.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3266.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1264	1264	1264	1264	1264	
5°	1260	1261	1258	1264	1264	120
15°	1216	1217	1214	1220	1220	343
25°	1124	1124	1122	1124	1123	517
35°	977	977	975	976	976	610
45°	797	800	795	796	796	615
55°	588	588	581	579	580	523
65°	346	340	328	325	328	344
75°	158	157	152	151	149	171
85°	39	40	40	38	38	46
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1264.0	1264.0	1264.0	1264.0	1264.0
2.5°	1263.6	1264.0	1260.8	1266.8	1267.7
5°	1260.3	1260.8	1257.6	1263.6	1264.5
7.5°	1253.9	1254.4	1251.6	1257.1	1258.0
10°	1244.3	1245.7	1242.4	1247.5	1248.4
12.5°	1232.4	1232.8	1229.6	1235.6	1236.5
15°	1216.3	1216.8	1214.0	1219.5	1219.5
17.5°	1197.9	1198.4	1196.6	1201.2	1200.7
20°	1175.5	1176.8	1174.5	1177.8	1179.6
22.5°	1151.1	1151.6	1148.9	1153.0	1154.8
25°	1123.6	1124.1	1121.8	1124.1	1123.2
27.5°	1091.5	1092.4	1089.2	1091.5	1092.0
30°	1055.7	1058.0	1053.4	1055.3	1055.7
32.5°	1017.2	1018.5	1015.3	1015.8	1018.1
35°	976.8	977.3	975.4	976.3	976.3
37.5°	933.2	935.0	932.3	933.7	931.8
40°	890.1	888.2	887.3	888.2	889.6
42.5°	844.7	845.1	843.7	842.8	840.5
45°	796.9	799.7	794.7	795.6	795.6
47.5°	750.1	750.6	747.9	745.1	743.3
50°	700.1	700.1	696.9	694.6	691.9
52.5°	645.5	644.6	641.0	638.7	640.0
55°	588.2	587.7	581.3	579.0	579.5
57.5°	525.3	526.3	516.6	514.3	514.3
60°	465.2	460.6	449.6	446.4	450.5
62.5°	402.4	396.9	384.9	384.9	388.1
65°	345.5	340.4	328.0	324.8	327.6
67.5°	292.3	287.7	276.2	274.4	275.3
70°	241.8	237.7	230.8	226.7	228.0
72.5°	198.2	194.5	189.9	186.7	184.9
75°	158.3	157.4	152.3	150.9	149.1
77.5°	125.3	124.8	120.7	118.8	117.0
80°	94.1	93.6	92.7	89.9	88.5
82.5°	67.0	67.0	66.5	64.2	62.9
85°	39.0	40.4	40.4	38.1	38.1
87.5°	15.6	16.5	15.6	15.6	15.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)