

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: P737836

Luminaire Tested: **14PT-40-PR1-L935**

Issue Date: 2/8/2024



**Test Information**

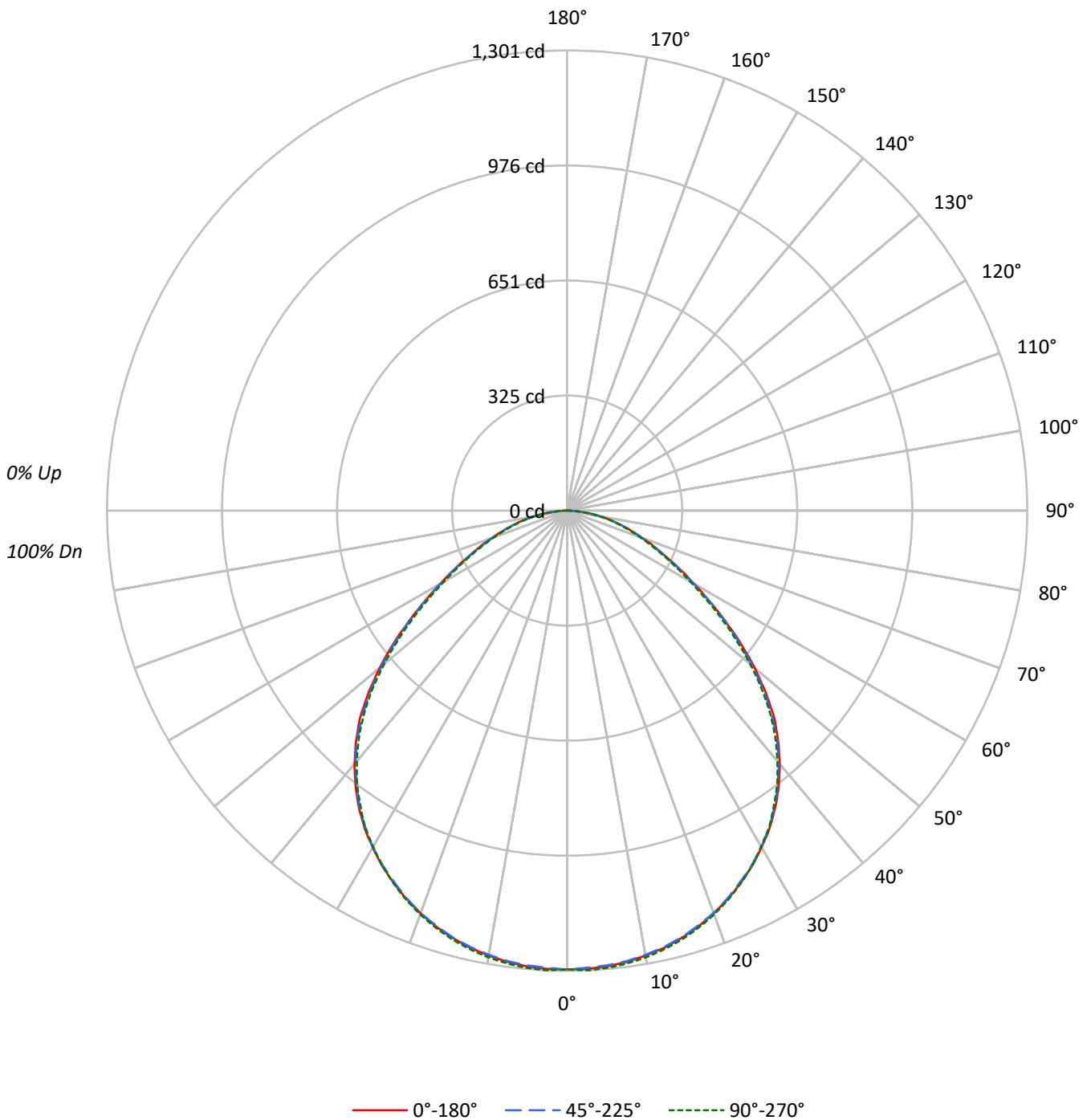
Test Method: LM-79-08  
Report Number: P737836  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-40-PR1-L935  
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPLE LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3281.0 lumens  
Efficiency: N/A  
Efficacy: 102.2 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					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	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				
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75					73				
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64					62				
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56					54				
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49					47				
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43					41				
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39					37				
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35					33				
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31					30				
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29					27				

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

	0°	45°	90°
0°	3890	3890	3890
5°	3893	3885	3906
10°	3890	3883	3904
15°	3883	3877	3895
20°	3866	3862	3876
25°	3841	3832	3846
30°	3807	3802	3797
35°	3754	3746	3731
40°	3660	3645	3620
45°	3507	3468	3442
50°	3227	3190	3151
55°	2856	2844	2788
60°	2482	2473	2406
65°	2187	2174	2131
70°	1985	1957	1916
75°	1837	1793	1762
80°	1678	1654	1597
85°	1328	1311	1262



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.1	3.8
10°-20°	353.2	10.8
20°-30°	535.1	16.3
30°-40°	638.8	19.5
40°-50°	628.2	19.1
50°-60°	485.6	14.8
60°-70°	306.2	9.3
70°-80°	165.6	5.0
80°-90°	45.2	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°	1011.4	30.8
0°-40°	1650.2	50.3
0°-60°	2764.0	84.2
0°-90°	3281.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3281.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1297	1297	1297	1297	1297	
5°	1294	1294	1291	1296	1298	123
15°	1251	1251	1249	1253	1255	353
25°	1161	1162	1158	1162	1162	535
35°	1026	1026	1024	1022	1019	640
45°	827	824	818	811	812	633
55°	546	551	544	535	533	490
65°	308	309	306	301	300	310
75°	159	157	155	156	152	168
85°	39	39	38	39	37	46
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1297.4	1297.4	1297.4	1297.4	1297.4
2.5°	1296.9	1297.4	1293.6	1299.7	1301.1
5°	1293.6	1294.1	1290.8	1296.4	1297.8
7.5°	1287.1	1288.1	1284.8	1290.4	1291.8
10°	1277.8	1278.8	1275.5	1281.1	1282.5
12.5°	1266.2	1266.7	1263.9	1269.0	1270.4
15°	1250.9	1251.3	1249.0	1253.2	1255.0
17.5°	1233.2	1233.6	1230.4	1235.5	1236.4
20°	1211.8	1212.3	1210.4	1214.6	1215.0
22.5°	1188.1	1189.0	1186.2	1189.9	1190.4
25°	1161.1	1162.0	1158.3	1162.0	1162.5
27.5°	1132.7	1133.2	1130.0	1132.7	1132.3
30°	1099.7	1102.5	1098.3	1097.4	1096.9
32.5°	1065.3	1065.8	1061.6	1060.7	1062.5
35°	1025.8	1026.3	1023.5	1022.1	1019.3
37.5°	982.5	982.5	977.4	976.5	976.0
40°	935.1	934.7	931.4	928.1	924.9
42.5°	883.5	884.4	877.9	872.3	871.4
45°	827.2	824.0	817.9	811.4	811.9
47.5°	760.7	761.7	753.3	748.2	746.8
50°	691.9	691.9	684.0	678.4	675.6
52.5°	619.8	620.3	612.9	605.4	604.0
55°	546.4	551.0	544.1	535.2	533.4
57.5°	477.6	481.3	474.8	465.5	465.0
60°	413.9	414.3	412.5	403.6	401.3
62.5°	359.4	357.1	356.2	351.5	348.8
65°	308.3	308.8	306.4	301.3	300.4
67.5°	266.9	266.4	262.3	259.0	257.1
70°	226.5	225.1	223.2	220.4	218.6
72.5°	190.2	190.2	188.8	187.9	184.6
75°	158.6	156.7	154.8	155.8	152.1
77.5°	128.3	126.5	125.1	123.2	122.3
80°	97.2	95.3	95.8	93.0	92.5
82.5°	67.4	67.4	66.5	64.2	64.6
85°	38.6	39.1	38.1	38.6	36.7
87.5°	14.0	14.4	15.3	14.4	14.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)