

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: P737844

Luminaire Tested: **14PT-40-PW1-L935**

Issue Date: 2/8/2024



**Test Information**

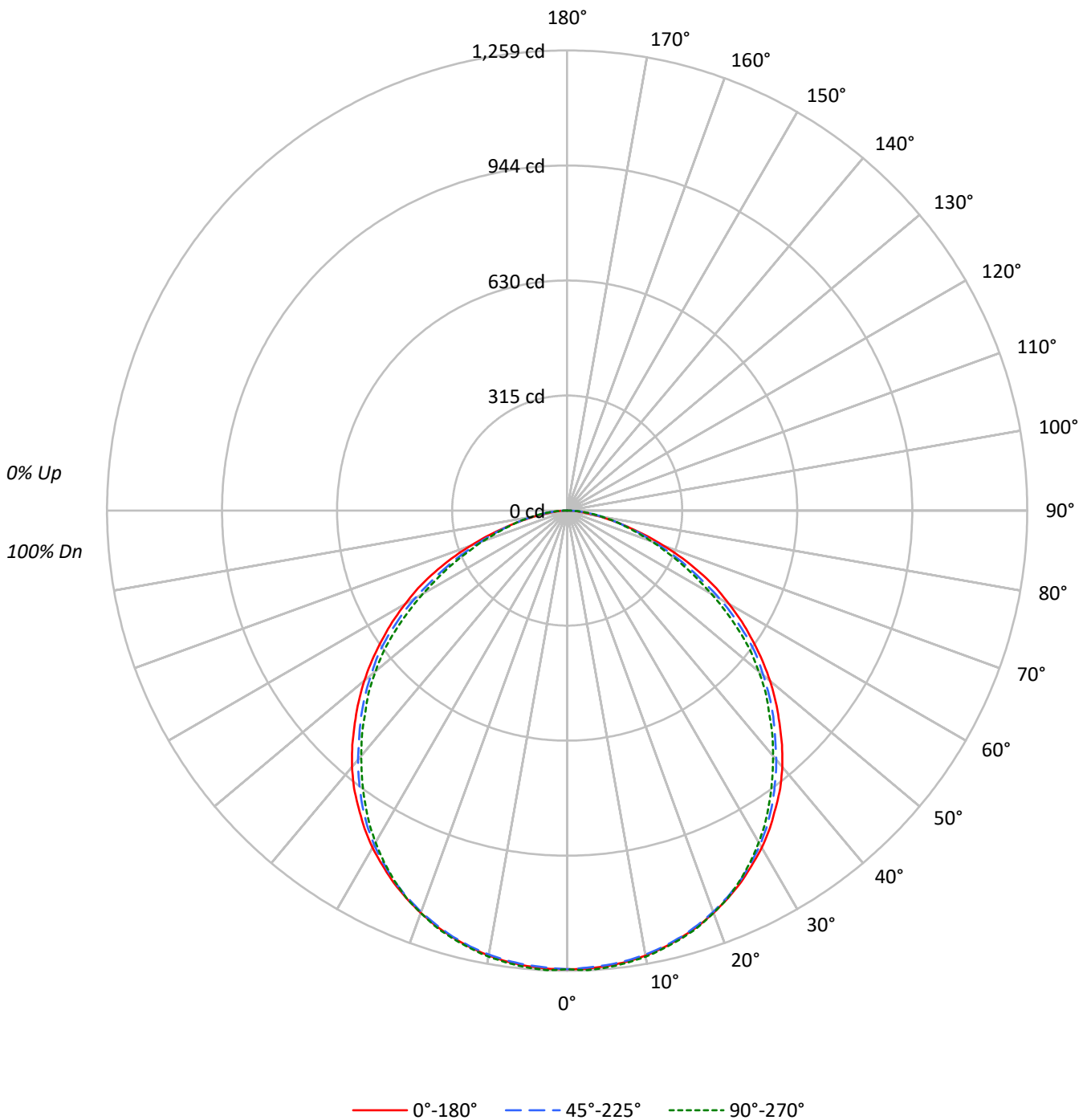
Test Method: LM-79-08  
Report Number: P737844  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14PT-40-PW1-L935  
Description: 4000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3330.0 lumens  
Efficiency: N/A  
Efficacy: 103.7 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	47	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

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

	0°	45°	90°
0°	3762	3762	3762
5°	3765	3757	3777
10°	3764	3755	3773
15°	3752	3746	3761
20°	3737	3728	3737
25°	3716	3700	3697
30°	3688	3655	3629
35°	3638	3583	3538
40°	3583	3484	3430
45°	3483	3381	3312
50°	3379	3268	3192
55°	3237	3128	3004
60°	3069	2888	2738
65°	2840	2579	2450
70°	2461	2246	2160
75°	1966	1923	1868
80°	1493	1670	1670
85°	1104	1424	1424



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.0	3.6
10°-20°	341.3	10.2
20°-30°	515.8	15.5
30°-40°	612.5	18.4
40°-50°	617.1	18.5
50°-60°	533.4	16.0
60°-70°	364.6	10.9
70°-80°	179.8	5.4
80°-90°	46.5	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°	976.2	29.3
0°-40°	1588.7	47.7
0°-60°	2739.2	82.3
0°-90°	3330.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3330.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1255	1255	1255	1255	1255	
5°	1251	1252	1248	1254	1255	119
15°	1209	1210	1207	1211	1212	341
25°	1123	1122	1119	1120	1118	517
35°	994	991	979	970	967	622
45°	822	813	797	788	781	634
55°	619	617	598	581	575	554
65°	400	386	364	348	345	395
75°	170	168	166	166	161	185
85°	32	38	41	42	41	39
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1254.9	1254.9	1254.9	1254.9	1254.9
2.5°	1254.4	1254.9	1251.6	1257.2	1258.6
5°	1251.1	1251.6	1248.3	1253.5	1254.9
7.5°	1245.1	1246.0	1242.3	1247.4	1248.3
10°	1236.3	1236.7	1233.5	1238.6	1239.5
12.5°	1224.2	1224.6	1221.8	1226.5	1226.5
15°	1208.8	1210.2	1207.0	1211.1	1211.6
17.5°	1191.6	1192.1	1188.8	1193.5	1194.4
20°	1171.2	1171.2	1168.4	1172.1	1171.2
22.5°	1148.4	1148.4	1145.1	1147.0	1147.9
25°	1123.3	1122.3	1118.6	1119.6	1117.7
27.5°	1094.4	1094.4	1087.9	1087.9	1084.7
30°	1065.2	1062.8	1055.9	1051.7	1048.4
32.5°	1031.7	1028.4	1019.6	1012.2	1009.8
35°	994.0	990.8	979.1	970.3	966.6
37.5°	957.8	950.3	935.0	926.1	922.0
40°	915.5	906.2	890.3	878.3	876.4
42.5°	869.9	862.4	842.0	833.2	830.8
45°	821.5	812.7	797.4	788.1	781.1
47.5°	774.1	767.6	749.9	738.8	736.5
50°	724.4	718.8	700.7	688.6	684.4
52.5°	672.8	669.0	653.7	638.4	633.2
55°	619.3	617.4	598.4	580.7	574.7
57.5°	566.8	564.4	540.7	520.3	514.7
60°	511.9	504.9	481.7	462.6	456.6
62.5°	459.8	444.9	419.8	405.0	398.0
65°	400.3	385.9	363.6	347.8	345.4
67.5°	341.7	324.5	307.3	297.6	290.1
70°	280.8	269.2	256.2	247.8	246.4
72.5°	224.1	215.7	209.2	204.1	199.9
75°	169.7	168.3	166.0	166.0	161.3
77.5°	124.6	127.9	129.7	129.3	130.2
80°	86.5	93.0	96.7	97.2	96.7
82.5°	54.9	62.3	68.3	69.3	70.2
85°	32.1	37.7	41.4	42.3	41.4
87.5°	14.4	18.1	19.1	20.0	19.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)