

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: P738524

Luminaire Tested: **24PT-40-PW1-L935**

Issue Date: 2/8/2024



**Test Information**

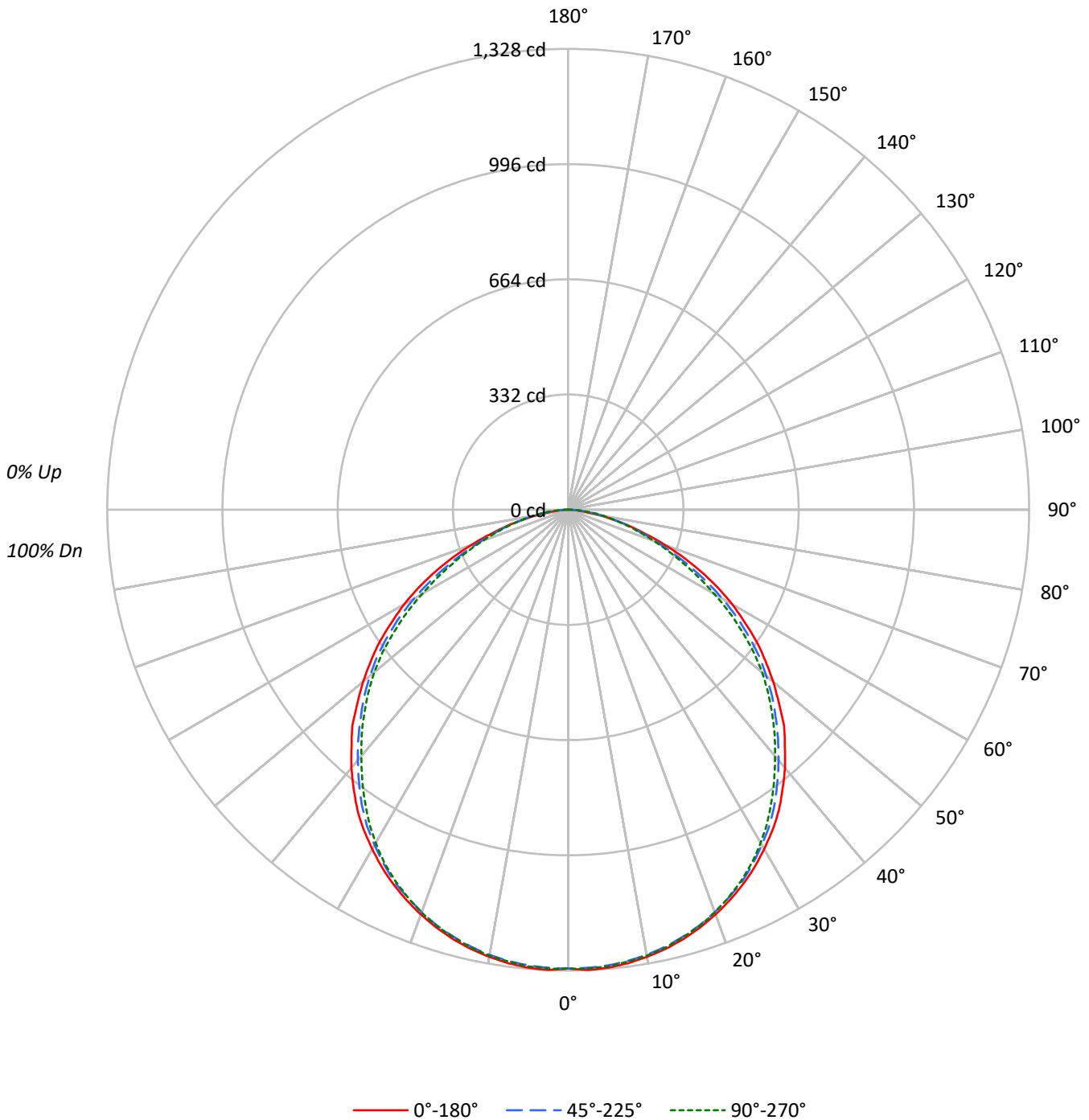
Test Method: LM-79-08  
Report Number: P738524  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-40-PW1-L935  
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3526.0 lumens  
Efficiency: N/A  
Efficacy: 107.8 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.35  
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 32.7  
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	56	68	61	56		66	60	55		64	58	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	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	27		37	32	27	26

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

	0°	45°	90°
0°	1896	1896	1896
5°	1907	1897	1901
10°	1905	1896	1900
15°	1902	1891	1894
20°	1894	1883	1884
25°	1884	1873	1866
30°	1869	1848	1836
35°	1852	1815	1789
40°	1818	1765	1735
45°	1782	1713	1685
50°	1719	1661	1626
55°	1656	1585	1528
60°	1565	1469	1393
65°	1433	1309	1241
70°	1242	1135	1093
75°	1017	978	966
80°	742	836	862
85°	497	698	742



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.4	3.6
10°-20°	360.0	10.2
20°-30°	544.9	15.5
30°-40°	648.4	18.4
40°-50°	654.9	18.6
50°-60°	566.7	16.1
60°-70°	387.1	11.0
70°-80°	190.8	5.4
80°-90°	47.7	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°	1030.4	29.2
0°-40°	1678.8	47.6
0°-60°	2900.4	82.3
0°-90°	3526.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3526.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1322	1322	1322	1322	1322	
5°	1325	1320	1318	1317	1321	126
15°	1281	1277	1274	1274	1276	362
25°	1191	1186	1184	1179	1179	549
35°	1058	1049	1037	1025	1022	661
45°	879	864	845	835	831	675
55°	662	653	634	621	611	590
65°	422	406	386	373	366	417
75°	184	178	177	176	174	196
85°	30	38	42	44	45	39
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1322.4	1322.4	1322.4	1322.4	1322.4
2.5°	1327.7	1322.8	1321.2	1320.1	1323.5
5°	1324.7	1319.7	1318.2	1317.0	1320.9
7.5°	1318.2	1313.2	1311.7	1310.5	1313.6
10°	1308.6	1304.0	1302.5	1301.4	1304.8
12.5°	1296.4	1292.2	1290.3	1288.7	1292.6
15°	1281.1	1276.9	1274.2	1273.5	1275.7
17.5°	1262.7	1258.5	1256.6	1255.5	1258.2
20°	1241.3	1236.8	1234.1	1232.5	1234.8
22.5°	1217.6	1213.0	1209.6	1208.1	1208.8
25°	1190.9	1186.3	1184.0	1179.4	1179.4
27.5°	1162.2	1156.8	1151.1	1146.1	1146.5
30°	1128.9	1122.8	1115.9	1109.4	1109.1
32.5°	1095.3	1087.7	1079.2	1070.4	1067.8
35°	1058.2	1049.4	1036.8	1025.3	1022.3
37.5°	1014.6	1006.6	989.8	980.2	975.3
40°	971.4	960.0	942.8	931.7	927.1
42.5°	924.0	912.9	894.6	884.3	880.4
45°	878.9	864.0	844.9	835.3	831.1
47.5°	822.7	810.5	797.1	786.0	780.7
50°	770.7	760.8	744.7	732.5	729.1
52.5°	716.4	708.0	692.7	676.7	672.9
55°	662.5	653.4	634.2	620.9	611.3
57.5°	601.7	593.7	575.7	558.5	550.1
60°	545.9	532.2	512.3	493.6	485.9
62.5°	485.1	471.8	448.8	429.7	425.5
65°	422.4	406.4	385.7	373.1	365.9
67.5°	359.0	343.3	326.1	318.1	313.5
70°	296.3	283.7	270.7	264.9	260.7
72.5°	235.9	228.6	221.4	219.1	215.2
75°	183.5	178.2	176.6	175.5	174.3
77.5°	132.3	135.0	136.5	138.0	136.5
80°	89.8	95.6	101.3	104.4	104.4
82.5°	55.4	65.4	70.3	73.4	73.0
85°	30.2	37.5	42.4	44.0	45.1
87.5°	12.2	15.3	17.2	18.7	19.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)