

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: P738526

Luminaire Tested: **24PT-40-PW1-L950**

Issue Date: 2/8/2024



**Test Information**

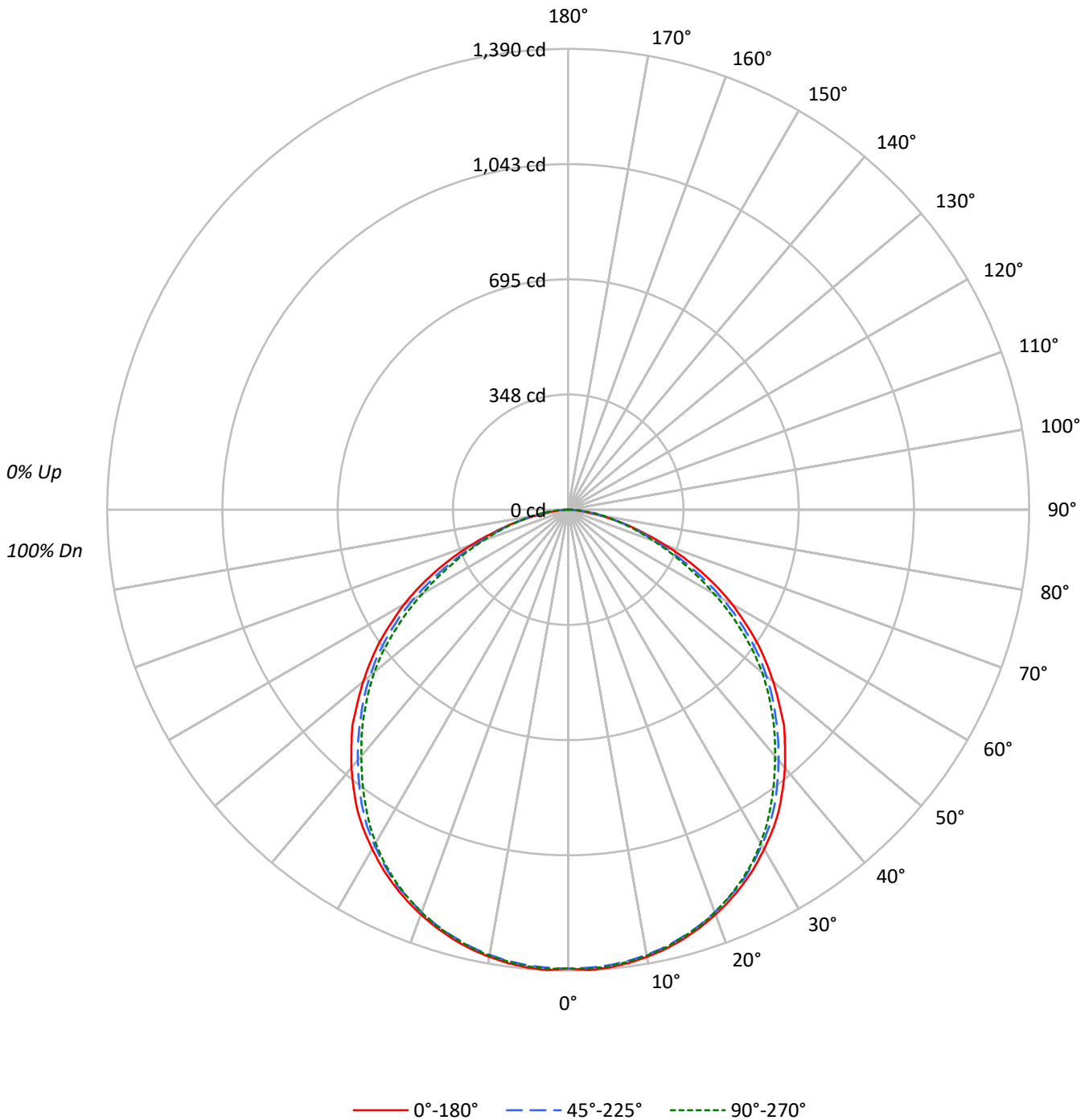
Test Method: LM-79-08  
Report Number: P738526  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-40-PW1-L950  
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3691.0 lumens  
Efficiency: N/A  
Efficacy: 112.9 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°	1985	1985	1985
5°	1996	1986	1990
10°	1995	1985	1989
15°	1991	1980	1982
20°	1983	1971	1972
25°	1972	1961	1953
30°	1957	1934	1922
35°	1939	1900	1873
40°	1903	1847	1817
45°	1866	1793	1764
50°	1800	1739	1702
55°	1734	1660	1600
60°	1639	1538	1459
65°	1500	1370	1299
70°	1300	1188	1144
75°	1064	1024	1011
80°	776	876	903
85°	520	730	777



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.3	3.6
10°-20°	376.9	10.2
20°-30°	570.4	15.5
30°-40°	678.7	18.4
40°-50°	685.6	18.6
50°-60°	593.2	16.1
60°-70°	405.2	11.0
70°-80°	199.7	5.4
80°-90°	49.9	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°	1078.6	29.2
0°-40°	1757.3	47.6
0°-60°	3036.1	82.3
0°-90°	3691.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3691.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1384	1384	1384	1384	1384	
5°	1387	1382	1380	1379	1383	132
15°	1341	1337	1334	1333	1335	378
25°	1247	1242	1239	1235	1235	574
35°	1108	1098	1085	1073	1070	691
45°	920	904	884	874	870	706
55°	694	684	664	650	640	618
65°	442	425	404	391	383	437
75°	192	186	185	184	182	205
85°	32	39	44	46	47	41
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1384.3	1384.3	1384.3	1384.3	1384.3
2.5°	1389.9	1384.7	1383.1	1381.9	1385.5
5°	1386.7	1381.5	1379.9	1378.7	1382.7
7.5°	1379.9	1374.7	1373.1	1371.9	1375.1
10°	1369.9	1365.1	1363.5	1362.3	1365.9
12.5°	1357.1	1352.7	1350.7	1349.1	1353.1
15°	1341.0	1336.6	1333.8	1333.0	1335.4
17.5°	1321.8	1317.4	1315.4	1314.2	1317.0
20°	1299.4	1294.6	1291.8	1290.2	1292.6
22.5°	1274.6	1269.8	1266.2	1264.6	1265.4
25°	1246.6	1241.8	1239.4	1234.6	1234.6
27.5°	1216.6	1211.0	1205.0	1199.8	1200.2
30°	1181.8	1175.4	1168.2	1161.4	1161.0
32.5°	1146.6	1138.5	1129.7	1120.5	1117.7
35°	1107.7	1098.5	1085.3	1073.3	1070.1
37.5°	1062.1	1053.7	1036.1	1026.1	1020.9
40°	1016.9	1004.9	986.9	975.3	970.5
42.5°	967.3	955.7	936.5	925.6	921.6
45°	920.0	904.4	884.4	874.4	870.0
47.5°	861.2	848.4	834.4	822.8	817.2
50°	806.8	796.4	779.6	766.8	763.2
52.5°	750.0	741.2	725.1	708.3	704.3
55°	693.5	683.9	663.9	649.9	639.9
57.5°	629.9	621.5	602.7	584.7	575.9
60°	571.5	557.1	536.3	516.6	508.6
62.5°	507.8	493.8	469.8	449.8	445.4
65°	442.2	425.4	403.8	390.6	383.0
67.5°	375.8	359.4	341.4	333.0	328.2
70°	310.1	296.9	283.3	277.3	272.9
72.5°	246.9	239.3	231.7	229.3	225.3
75°	192.1	186.5	184.9	183.7	182.5
77.5°	138.5	141.3	142.9	144.5	142.9
80°	94.0	100.0	106.1	109.3	109.3
82.5°	58.0	68.4	73.6	76.8	76.4
85°	31.6	39.2	44.4	46.0	47.2
87.5°	12.8	16.0	18.0	19.6	20.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)