

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: P738457

Luminaire Tested: **24PT-30-PW1-L840**

Issue Date: 2/8/2024



**Test Information**

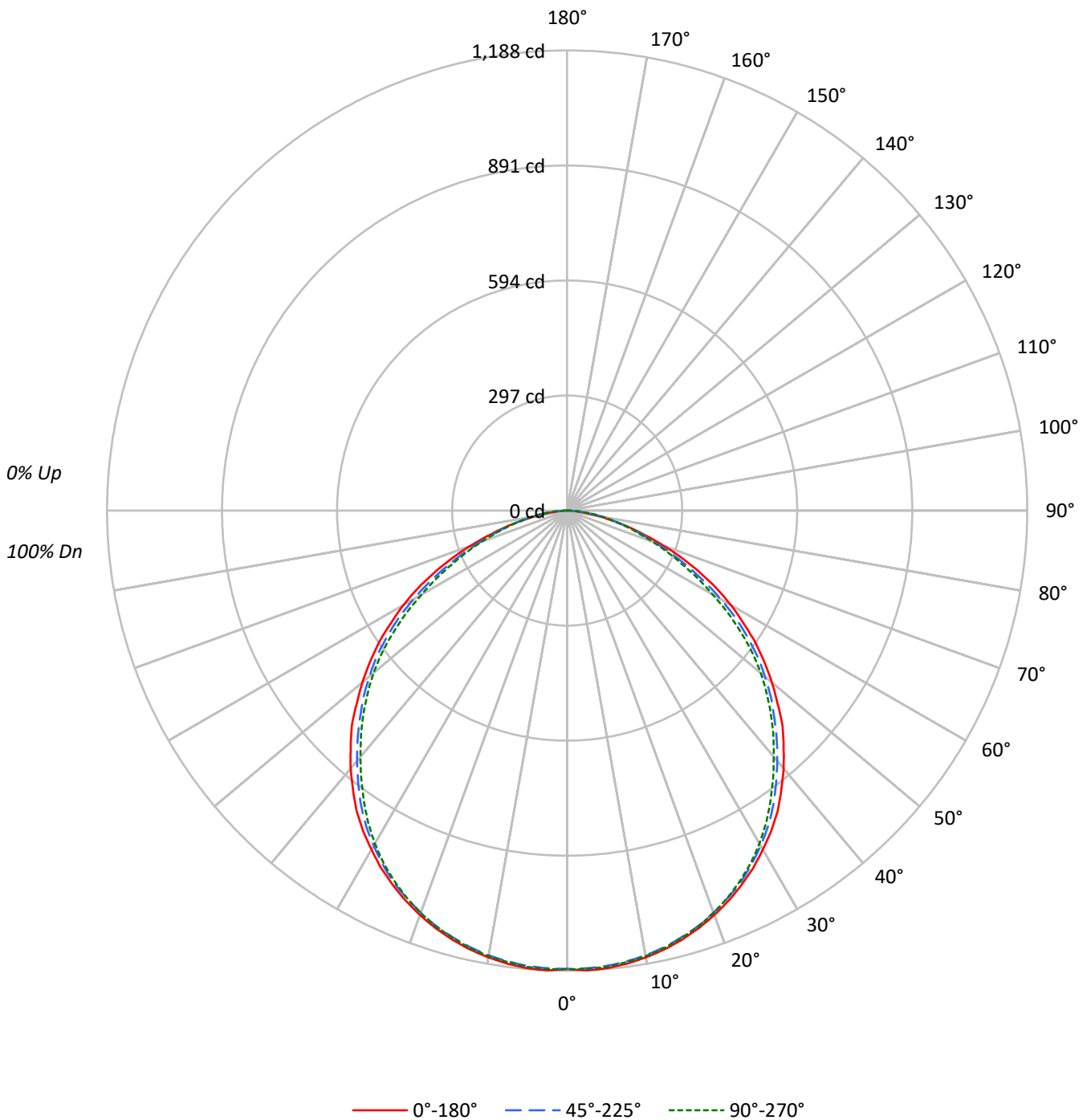
Test Method: LM-79-08  
Report Number: P738457  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-30-PW1-L840  
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3156.0 lumens  
Efficiency: N/A  
Efficacy: 132.6 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): 23.8  
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°	1697	1697	1697
5°	1707	1698	1702
10°	1705	1697	1700
15°	1702	1693	1695
20°	1695	1685	1687
25°	1686	1677	1670
30°	1673	1654	1644
35°	1658	1624	1602
40°	1628	1579	1553
45°	1595	1533	1508
50°	1539	1487	1456
55°	1482	1419	1368
60°	1401	1315	1247
65°	1283	1172	1111
70°	1112	1016	978
75°	910	876	864
80°	664	749	771
85°	444	625	665



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.3	3.6
10°-20°	322.3	10.2
20°-30°	487.7	15.5
30°-40°	580.3	18.4
40°-50°	586.2	18.6
50°-60°	507.2	16.1
60°-70°	346.5	11.0
70°-80°	170.8	5.4
80°-90°	42.7	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°	922.3	29.2
0°-40°	1502.6	47.6
0°-60°	2596.0	82.3
0°-90°	3156.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3156.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1184	1184	1184	1184	1184	
5°	1186	1181	1180	1179	1182	113
15°	1147	1143	1140	1140	1142	324
25°	1066	1062	1060	1056	1056	491
35°	947	939	928	918	915	591
45°	787	773	756	748	744	604
55°	593	585	568	556	547	528
65°	378	364	345	334	328	373
75°	164	160	158	157	156	176
85°	27	34	38	39	40	35
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1183.6	1183.6	1183.6	1183.6	1183.6
2.5°	1188.4	1184.0	1182.6	1181.6	1184.6
5°	1185.7	1181.2	1179.9	1178.8	1182.3
7.5°	1179.9	1175.4	1174.0	1173.0	1175.8
10°	1171.3	1167.2	1165.8	1164.8	1167.9
12.5°	1160.4	1156.6	1154.9	1153.5	1156.9
15°	1146.7	1142.9	1140.5	1139.8	1141.9
17.5°	1130.2	1126.5	1124.8	1123.7	1126.1
20°	1111.1	1107.0	1104.6	1103.2	1105.3
22.5°	1089.9	1085.8	1082.7	1081.3	1082.0
25°	1065.9	1061.8	1059.8	1055.6	1055.6
27.5°	1040.2	1035.5	1030.3	1025.9	1026.2
30°	1010.5	1005.0	998.8	993.0	992.7
32.5°	980.4	973.5	966.0	958.1	955.7
35°	947.2	939.3	928.0	917.7	915.0
37.5°	908.2	901.0	885.9	877.4	872.9
40°	869.5	859.2	843.8	833.9	829.8
42.5°	827.1	817.1	800.7	791.5	788.1
45°	786.7	773.3	756.2	747.7	743.9
47.5°	736.4	725.4	713.5	703.5	698.7
50°	689.8	681.0	666.6	655.6	652.5
52.5°	641.3	633.7	620.0	605.7	602.2
55°	593.0	584.8	567.7	555.7	547.2
57.5°	538.6	531.4	515.3	499.9	492.4
60°	488.6	476.3	458.5	441.8	434.9
62.5°	434.2	422.3	401.7	384.6	380.9
65°	378.1	363.7	345.3	334.0	327.5
67.5°	321.3	307.3	291.9	284.7	280.6
70°	265.2	253.9	242.3	237.1	233.4
72.5°	211.1	204.6	198.1	196.1	192.7
75°	164.2	159.5	158.1	157.1	156.0
77.5°	118.4	120.8	122.2	123.5	122.2
80°	80.4	85.5	90.7	93.4	93.4
82.5°	49.6	58.5	63.0	65.7	65.4
85°	27.0	33.5	38.0	39.4	40.4
87.5°	10.9	13.7	15.4	16.8	17.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)