

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: P738434

Luminaire Tested: **24PT-30-PC3-L850**

Issue Date: 2/8/2024



**Test Information**

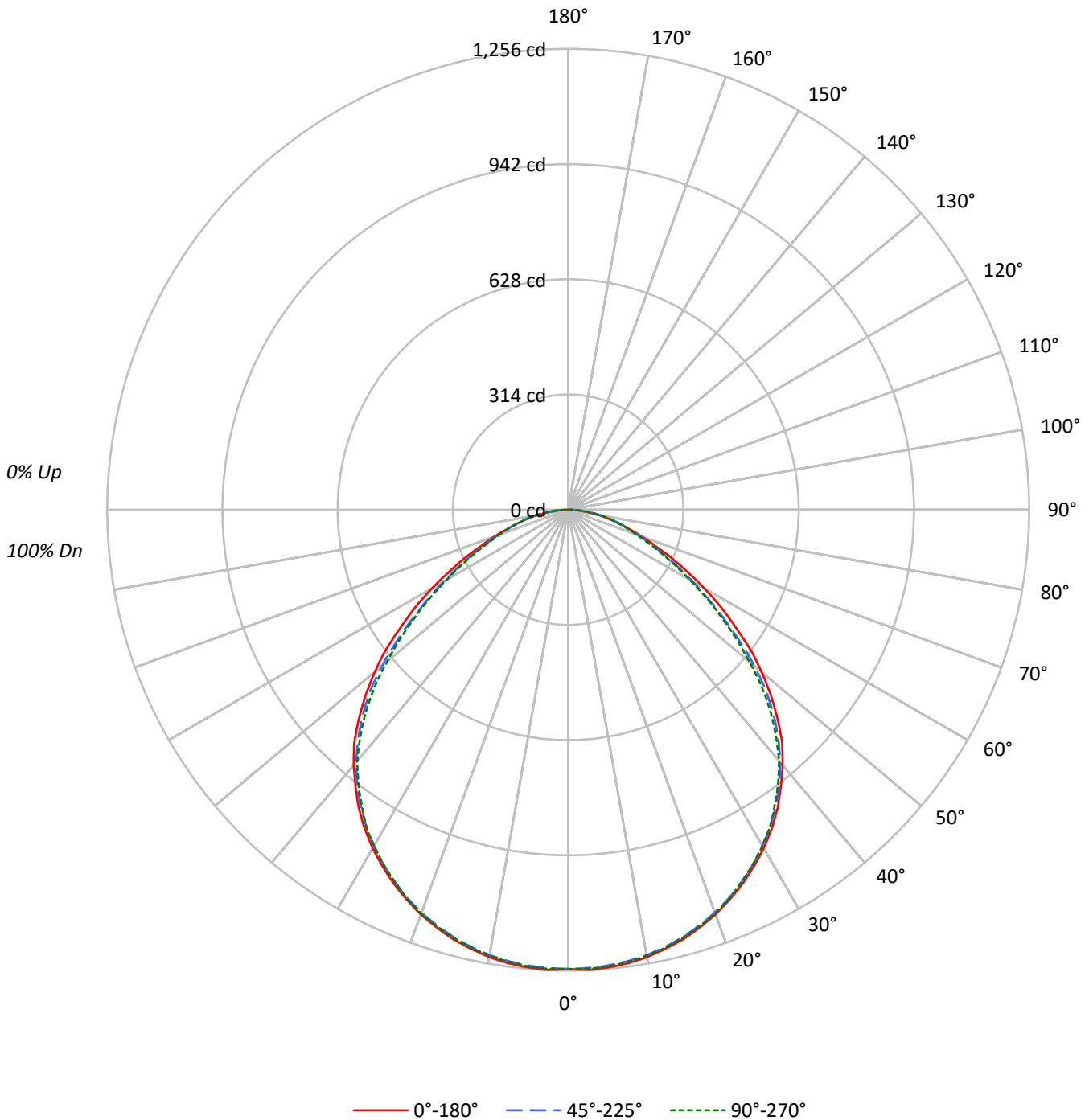
Test Method: LM-79-08  
Report Number: P738434  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-30-PC3-L850  
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3157.0 lumens  
Efficiency: N/A  
Efficacy: 132.6 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86
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	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	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	40	33	29	39	33	29	27

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

	0°	45°	90°
0°	1795	1795	1795
5°	1802	1795	1798
10°	1803	1794	1797
15°	1798	1790	1792
20°	1791	1783	1787
25°	1779	1770	1770
30°	1764	1752	1752
35°	1740	1726	1718
40°	1701	1681	1673
45°	1635	1605	1582
50°	1535	1476	1437
55°	1388	1294	1270
60°	1228	1120	1098
65°	1049	970	946
70°	889	851	827
75°	779	793	766
80°	699	771	727
85°	591	704	671



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.7	3.8
10°-20°	340.6	10.8
20°-30°	516.0	16.3
30°-40°	616.3	19.5
40°-50°	608.0	19.3
50°-60°	470.6	14.9
60°-70°	289.3	9.2
70°-80°	151.6	4.8
80°-90°	45.9	1.5
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°	975.3	30.9
0°-40°	1591.6	50.4
0°-60°	2670.2	84.6
0°-90°	3157.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3157.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1252	1252	1252	1252	1252	
5°	1252	1248	1247	1246	1250	119
15°	1212	1208	1206	1205	1207	342
25°	1124	1121	1119	1118	1118	518
35°	994	990	986	983	982	621
45°	806	800	791	783	780	620
55°	555	540	518	510	508	498
65°	309	295	286	278	279	309
75°	141	142	143	140	138	152
85°	36	40	43	42	41	42
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1251.6	1251.6	1251.6	1251.6	1251.6
2.5°	1255.7	1251.9	1250.2	1249.8	1252.6
5°	1252.3	1248.4	1247.0	1246.3	1249.5
7.5°	1246.7	1242.5	1241.1	1240.1	1242.9
10°	1238.0	1233.8	1232.4	1231.7	1234.1
12.5°	1225.4	1221.6	1220.6	1219.5	1222.7
15°	1211.5	1207.7	1205.9	1204.9	1207.3
17.5°	1193.4	1190.3	1188.2	1188.2	1190.3
20°	1173.9	1170.1	1168.3	1167.3	1170.8
22.5°	1149.9	1147.4	1145.3	1143.6	1147.4
25°	1124.4	1120.9	1118.8	1118.2	1118.5
27.5°	1095.5	1093.1	1090.3	1089.2	1089.9
30°	1065.2	1062.1	1058.2	1056.1	1057.9
32.5°	1031.4	1026.9	1023.8	1021.7	1024.1
35°	994.1	989.6	986.1	983.0	981.6
37.5°	951.6	950.3	945.4	939.8	939.5
40°	908.8	905.0	898.0	895.6	893.8
42.5°	862.8	854.8	847.5	840.5	838.1
45°	806.4	800.5	791.4	783.1	780.3
47.5°	748.6	740.9	732.2	717.6	715.8
50°	688.3	677.2	661.8	649.6	644.4
52.5°	625.6	610.6	589.4	578.9	576.1
55°	555.2	540.3	517.6	510.0	507.9
57.5°	492.5	470.6	452.1	443.4	446.2
60°	428.1	406.9	390.5	382.1	382.8
62.5°	365.1	348.3	336.1	328.1	329.2
65°	309.3	295.0	286.0	277.6	278.7
67.5°	254.6	248.0	241.4	236.5	233.7
70°	212.1	209.3	203.1	198.6	197.2
72.5°	173.5	175.2	170.0	168.6	168.2
75°	140.7	142.1	143.2	140.4	138.3
77.5°	112.5	114.6	118.8	115.0	114.3
80°	84.6	88.8	93.4	90.9	88.1
82.5°	59.2	64.4	68.6	65.5	64.1
85°	35.9	40.1	42.8	41.8	40.8
87.5°	16.0	17.4	18.8	19.2	18.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)