

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: P738450

Luminaire Tested: **24PT-30-PR1-L850**

Issue Date: 2/8/2024



**Test Information**

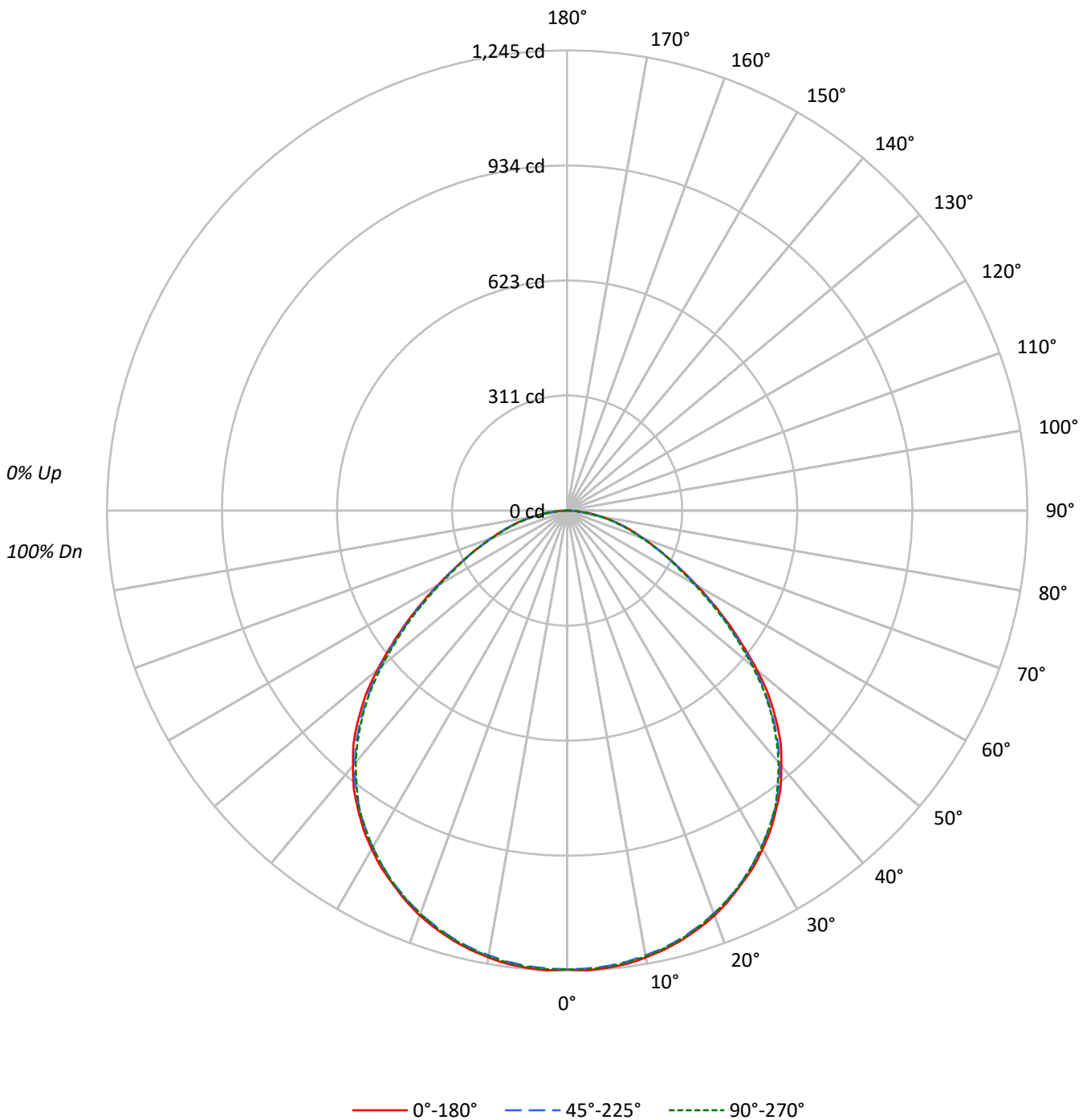
Test Method: LM-79-08  
Report Number: P738450  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-30-PR1-L850  
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPLE LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3161.0 lumens  
Efficiency: N/A  
Efficacy: 132.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 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 (Ain): 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

TEST NUMBER: P738450  
CATALOG NUMBER: 24PT-30-PR1-L850

### Luminous Intensity Polar Plot





TEST NUMBER: P738450

CATALOG NUMBER: 24PT-30-PR1-L850

**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	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36
8	62	49	41	35	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	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

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

	0°	45°	90°
0°	1780	1780	1780
5°	1788	1780	1783
10°	1788	1779	1783
15°	1785	1777	1780
20°	1779	1770	1772
25°	1765	1759	1760
30°	1751	1741	1741
35°	1727	1716	1718
40°	1688	1673	1666
45°	1620	1594	1586
50°	1496	1474	1460
55°	1331	1312	1304
60°	1161	1148	1136
65°	1017	1018	1012
70°	915	912	899
75°	852	827	829
80°	761	746	746
85°	587	604	581



TEST NUMBER: P738450

CATALOG NUMBER: 24PT-30-PR1-L850

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.7	3.7
10°-20°	338.1	10.7
20°-30°	512.6	16.2
30°-40°	613.1	19.4
40°-50°	605.3	19.1
50°-60°	471.1	14.9
60°-70°	299.1	9.5
70°-80°	160.5	5.1
80°-90°	43.5	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°	968.4	30.6
0°-40°	1581.4	50.0
0°-60°	2657.9	84.1
0°-90°	3161.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3161.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1241	1241	1241	1241	1241	
5°	1242	1238	1237	1236	1239	118
15°	1202	1198	1197	1196	1199	339
25°	1115	1113	1112	1110	1113	514
35°	986	984	981	978	982	617
45°	799	794	786	782	782	613
55°	533	530	525	522	522	477
65°	300	301	300	296	298	301
75°	154	151	149	149	150	163
85°	36	36	37	37	35	44
90°	0	0	0	0	0	



TEST NUMBER: P738450

CATALOG NUMBER: 24PT-30-PR1-L850

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1241.2	1241.2	1241.2	1241.2	1241.2
2.5°	1245.4	1241.2	1239.8	1239.1	1242.2
5°	1242.2	1238.4	1237.0	1236.3	1239.1
7.5°	1237.0	1232.5	1231.1	1230.5	1233.6
10°	1227.7	1223.5	1221.8	1221.8	1224.6
12.5°	1216.6	1213.1	1211.4	1210.0	1213.1
15°	1202.4	1198.2	1197.2	1195.8	1199.3
17.5°	1185.4	1181.2	1179.9	1179.2	1181.6
20°	1166.0	1160.8	1160.1	1159.8	1161.1
22.5°	1142.1	1139.3	1137.9	1137.2	1138.3
25°	1115.4	1113.3	1111.9	1109.9	1112.6
27.5°	1089.4	1086.7	1083.2	1081.5	1083.2
30°	1057.5	1054.1	1051.7	1051.0	1051.7
32.5°	1024.6	1021.2	1018.0	1017.7	1017.3
35°	986.5	984.4	980.6	977.5	981.7
37.5°	948.7	943.9	940.4	936.6	935.6
40°	901.6	899.9	894.0	890.5	890.2
42.5°	855.9	847.9	843.7	841.3	837.5
45°	799.0	793.5	786.2	782.4	782.1
47.5°	739.8	732.9	725.9	720.7	722.1
50°	670.5	667.4	660.8	656.3	654.6
52.5°	599.1	598.4	591.5	588.7	585.6
55°	532.6	529.8	525.0	521.5	521.5
57.5°	467.1	464.7	462.2	455.7	455.7
60°	404.7	404.4	400.2	396.4	396.1
62.5°	348.9	351.0	347.2	343.4	341.3
65°	299.7	300.8	300.1	296.3	298.3
67.5°	256.4	256.8	255.4	253.3	254.7
70°	218.3	220.0	217.6	216.2	214.5
72.5°	185.0	184.3	182.3	183.3	180.9
75°	153.8	151.4	149.3	149.0	149.7
77.5°	122.7	122.0	120.2	120.2	119.2
80°	92.2	91.5	90.4	90.8	90.4
82.5°	65.5	63.8	62.4	63.1	63.4
85°	35.7	36.4	36.7	36.7	35.3
87.5°	14.6	14.2	14.6	15.2	15.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)