

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: P738443

Luminaire Tested: **24PT-30-PL1-L930**

Issue Date: 2/8/2024



**Test Information**

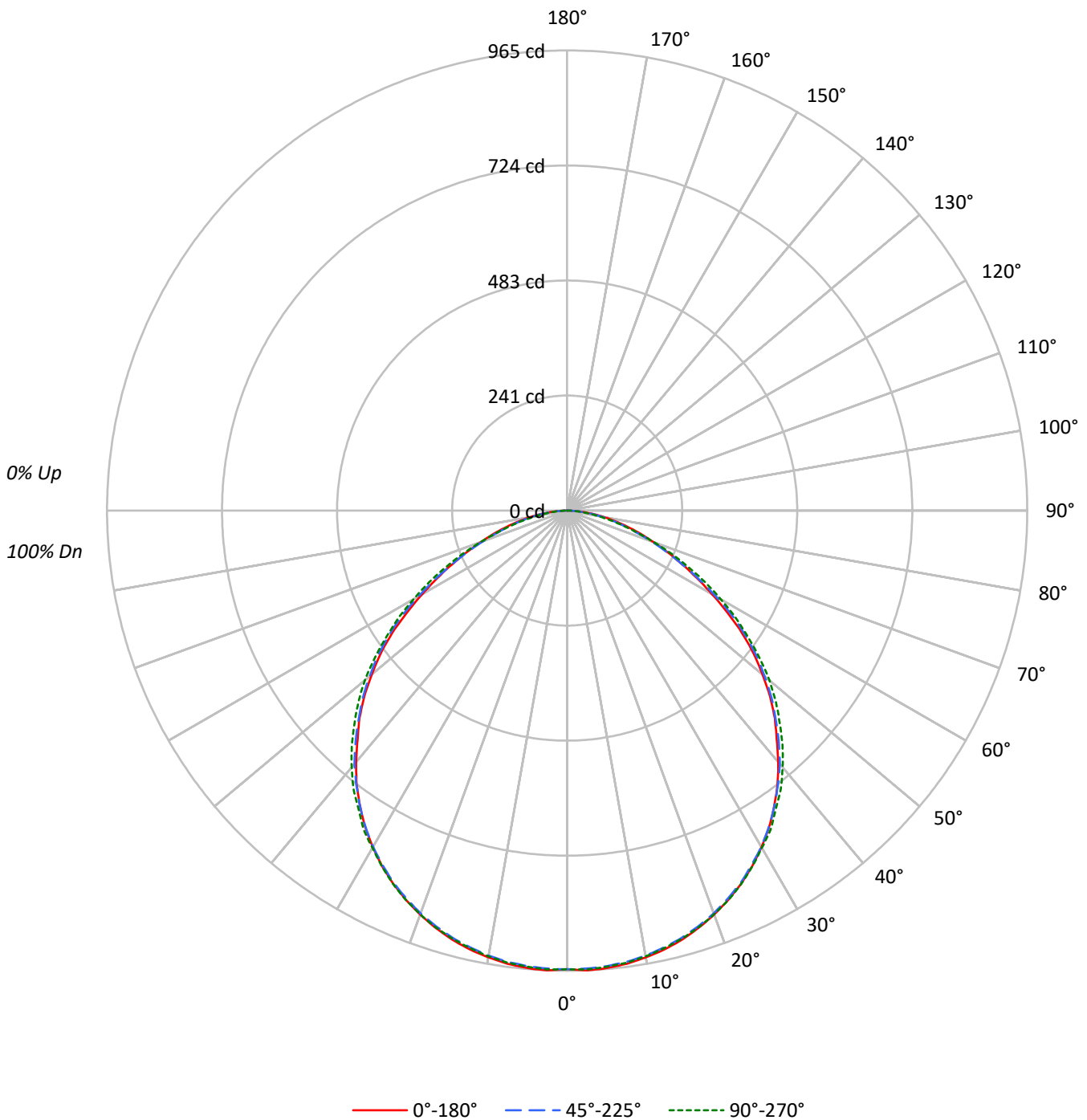
Test Method: LM-79-08  
Report Number: P738443  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-30-PL1-L930  
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2546.0 lumens  
Efficiency: N/A  
Efficacy: 107.0 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 (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	96		98	95	93		95	92	90		91	89	87	85	
2	100	92	86	80	97	90	84	79		87	82	77		83	79	76		80	77	74	72	
3	91	81	73	67	89	80	72	67		77	70	65		74	69	64		71	67	63	61	
4	84	72	64	57	82	71	63	57		68	62	56		66	60	55		64	59	55	52	
5	77	65	56	49	75	64	55	49		61	54	49		60	53	48		58	52	48	46	
6	71	58	50	43	69	57	49	43		56	48	43		54	47	42		52	47	42	40	
7	66	53	44	38	65	52	44	38		51	43	38		49	43	38		48	42	37	35	
8	62	48	40	34	60	48	40	34		46	39	34		45	39	34		44	38	34	32	
9	58	44	36	31	56	44	36	31		43	36	31		42	35	30		41	35	30	29	
10	54	41	33	28	53	40	33	28		40	33	28		39	32	28		38	32	28	26	

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

	0°	45°	90°
0°	1379	1379	1379
5°	1386	1380	1382
10°	1385	1380	1382
15°	1383	1377	1380
20°	1376	1371	1375
25°	1366	1362	1367
30°	1350	1348	1352
35°	1325	1326	1336
40°	1289	1298	1316
45°	1249	1254	1279
50°	1193	1206	1235
55°	1120	1140	1158
60°	1005	1030	1068
65°	899	901	950
70°	802	780	808
75°	725	681	669
80°	644	600	529
85°	528	500	415



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	91.2	3.6
10°-20°	262.0	10.3
20°-30°	396.9	15.6
30°-40°	474.3	18.6
40°-50°	478.5	18.8
50°-60°	405.9	15.9
60°-70°	268.6	10.5
70°-80°	133.3	5.2
80°-90°	35.3	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°	750.1	29.5
0°-40°	1224.4	48.1
0°-60°	2108.9	82.8
0°-90°	2546.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2546.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	962	962	962	962	962	
5°	963	960	959	958	960	92
15°	932	928	928	928	930	263
25°	863	861	861	861	864	398
35°	757	756	757	761	763	473
45°	616	615	618	627	631	474
55°	448	449	456	460	463	398
65°	265	265	266	274	280	265
75°	131	127	123	119	121	140
85°	32	32	30	28	25	38
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	961.9	961.9	961.9	961.9	961.9
2.5°	965.2	962.1	961.3	960.8	963.0
5°	963.0	959.7	958.8	958.3	960.2
7.5°	958.6	955.0	954.4	953.9	956.3
10°	951.4	948.0	947.5	946.9	949.2
12.5°	942.8	939.5	938.4	938.6	940.0
15°	931.5	928.4	927.6	927.6	929.5
17.5°	917.4	914.6	914.0	913.8	916.2
20°	901.6	898.8	898.8	899.7	901.0
22.5°	883.6	881.7	880.6	881.1	883.9
25°	863.2	861.2	861.2	861.0	864.0
27.5°	840.5	838.0	838.0	840.2	841.3
30°	815.1	812.8	814.0	815.6	816.7
32.5°	787.7	786.3	787.1	789.6	794.0
35°	757.0	755.9	757.3	761.4	763.1
37.5°	724.9	724.1	726.0	731.6	736.3
40°	688.4	688.4	693.7	698.7	703.1
42.5°	650.6	653.0	656.9	664.7	668.5
45°	615.7	614.9	618.5	626.8	630.6
47.5°	577.0	576.2	581.4	587.2	593.6
50°	534.7	534.4	540.8	545.8	553.8
52.5°	493.5	496.0	500.1	504.6	509.3
55°	447.9	449.0	456.2	460.3	463.1
57.5°	398.7	402.3	411.1	417.2	419.7
60°	350.6	352.8	359.1	369.9	372.4
62.5°	306.9	307.7	311.6	323.8	327.1
65°	265.1	264.6	265.7	274.0	280.1
67.5°	227.3	225.1	225.1	229.5	236.9
70°	191.3	188.0	186.1	187.5	192.7
72.5°	161.2	156.8	151.8	151.0	154.3
75°	130.8	127.2	123.0	119.2	120.8
77.5°	104.2	101.2	97.3	92.9	90.7
80°	78.0	76.9	72.7	68.6	64.1
82.5°	54.5	53.6	50.9	47.6	44.8
85°	32.1	32.1	30.4	27.9	25.2
87.5°	14.4	13.8	14.4	12.2	11.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)