

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: P738635

Luminaire Tested: **24PT-72-PL1-L930**

Issue Date: 2/8/2024



**Test Information**

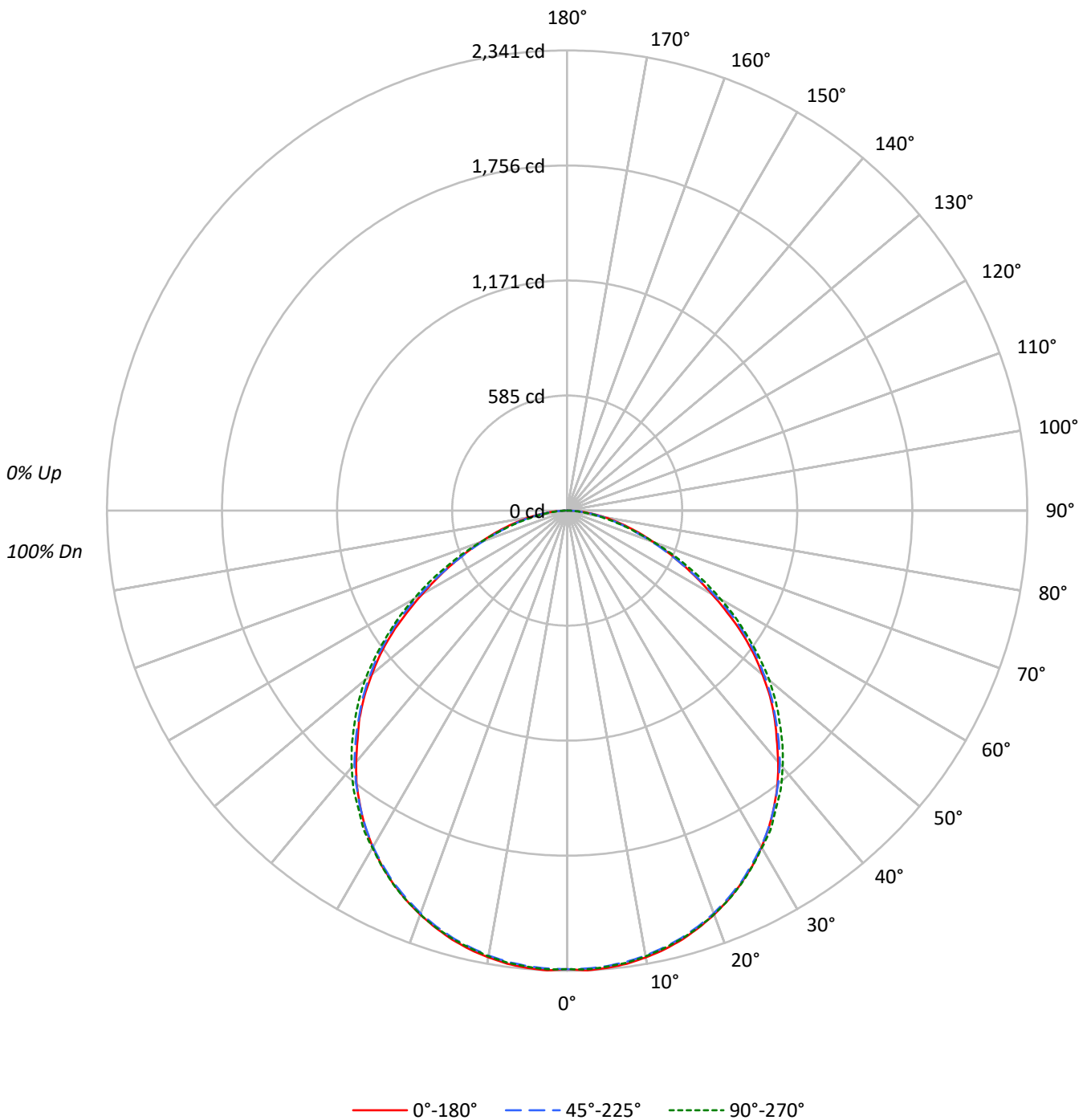
Test Method: LM-79-08  
Report Number: P738635  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-72-PL1-L930  
Description: 7200 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: 6176.0 lumens  
Efficiency: N/A  
Efficacy: 102.8 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): 60.1  
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°	3346	3346	3346
5°	3362	3348	3353
10°	3360	3346	3352
15°	3354	3340	3347
20°	3337	3327	3335
25°	3313	3305	3316
30°	3273	3269	3280
35°	3214	3216	3240
40°	3126	3150	3192
45°	3029	3042	3102
50°	2893	2926	2997
55°	2716	2766	2808
60°	2439	2498	2591
65°	2182	2187	2305
70°	1946	1892	1960
75°	1757	1653	1624
80°	1561	1457	1285
85°	1280	1214	1004



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	221.3	3.6
10°-20°	635.5	10.3
20°-30°	962.8	15.6
30°-40°	1150.6	18.6
40°-50°	1160.7	18.8
50°-60°	984.7	15.9
60°-70°	651.5	10.5
70°-80°	323.3	5.2
80°-90°	85.5	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°	1819.6	29.5
0°-40°	2970.2	48.1
0°-60°	5115.6	82.8
0°-90°	6176.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6176.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2333	2333	2333	2333	2333	
5°	2336	2328	2326	2324	2329	222
15°	2260	2252	2250	2250	2255	637
25°	2094	2089	2089	2088	2096	964
35°	1836	1834	1837	1847	1851	1147
45°	1494	1492	1500	1520	1530	1149
55°	1086	1089	1107	1117	1123	966
65°	643	642	644	665	679	642
75°	317	308	298	289	293	339
85°	78	78	74	68	61	92
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2333.3	2333.3	2333.3	2333.3	2333.3
2.5°	2341.3	2333.9	2331.9	2330.6	2335.9
5°	2335.9	2327.9	2325.9	2324.5	2329.2
7.5°	2325.2	2316.5	2315.2	2313.8	2319.9
10°	2307.8	2299.7	2298.4	2297.1	2302.4
12.5°	2287.0	2278.9	2276.3	2276.9	2280.3
15°	2259.5	2252.1	2250.1	2250.1	2254.8
17.5°	2225.3	2218.6	2217.2	2216.6	2222.6
20°	2187.1	2180.4	2180.4	2182.4	2185.7
22.5°	2143.5	2138.8	2136.1	2137.4	2144.1
25°	2093.8	2089.1	2089.1	2088.5	2095.8
27.5°	2038.8	2032.8	2032.8	2038.2	2040.9
30°	1977.1	1971.8	1974.5	1978.5	1981.2
32.5°	1910.7	1907.4	1909.4	1915.4	1926.2
35°	1836.3	1833.6	1837.0	1847.0	1851.1
37.5°	1758.5	1756.5	1761.2	1774.6	1786.0
40°	1670.0	1670.0	1682.7	1694.8	1705.5
42.5°	1578.1	1584.1	1593.5	1612.3	1621.7
45°	1493.6	1491.6	1500.3	1520.4	1529.8
47.5°	1399.7	1397.7	1410.4	1424.5	1439.9
50°	1297.1	1296.4	1311.8	1323.9	1343.4
52.5°	1197.1	1203.2	1213.2	1224.0	1235.4
55°	1086.5	1089.2	1106.6	1116.7	1123.4
57.5°	967.1	975.8	997.3	1012.0	1018.1
60°	850.4	855.8	871.2	897.4	903.4
62.5°	744.4	746.5	755.8	785.4	793.4
65°	643.2	641.8	644.5	664.6	679.4
67.5°	551.3	545.9	545.9	556.7	574.8
70°	464.1	456.1	451.4	454.7	467.5
72.5°	391.0	380.3	368.2	366.2	374.2
75°	317.2	308.5	298.4	289.1	293.1
77.5°	252.8	245.5	236.1	225.3	220.0
80°	189.1	186.4	176.4	166.3	155.6
82.5°	132.1	130.1	123.4	115.4	108.6
85°	77.8	77.8	73.8	67.7	61.0
87.5°	34.9	33.5	34.9	29.5	27.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)