

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: P738662

Luminaire Tested: **24PT-80-PC3-L950**

Issue Date: 2/8/2024



**Test Information**

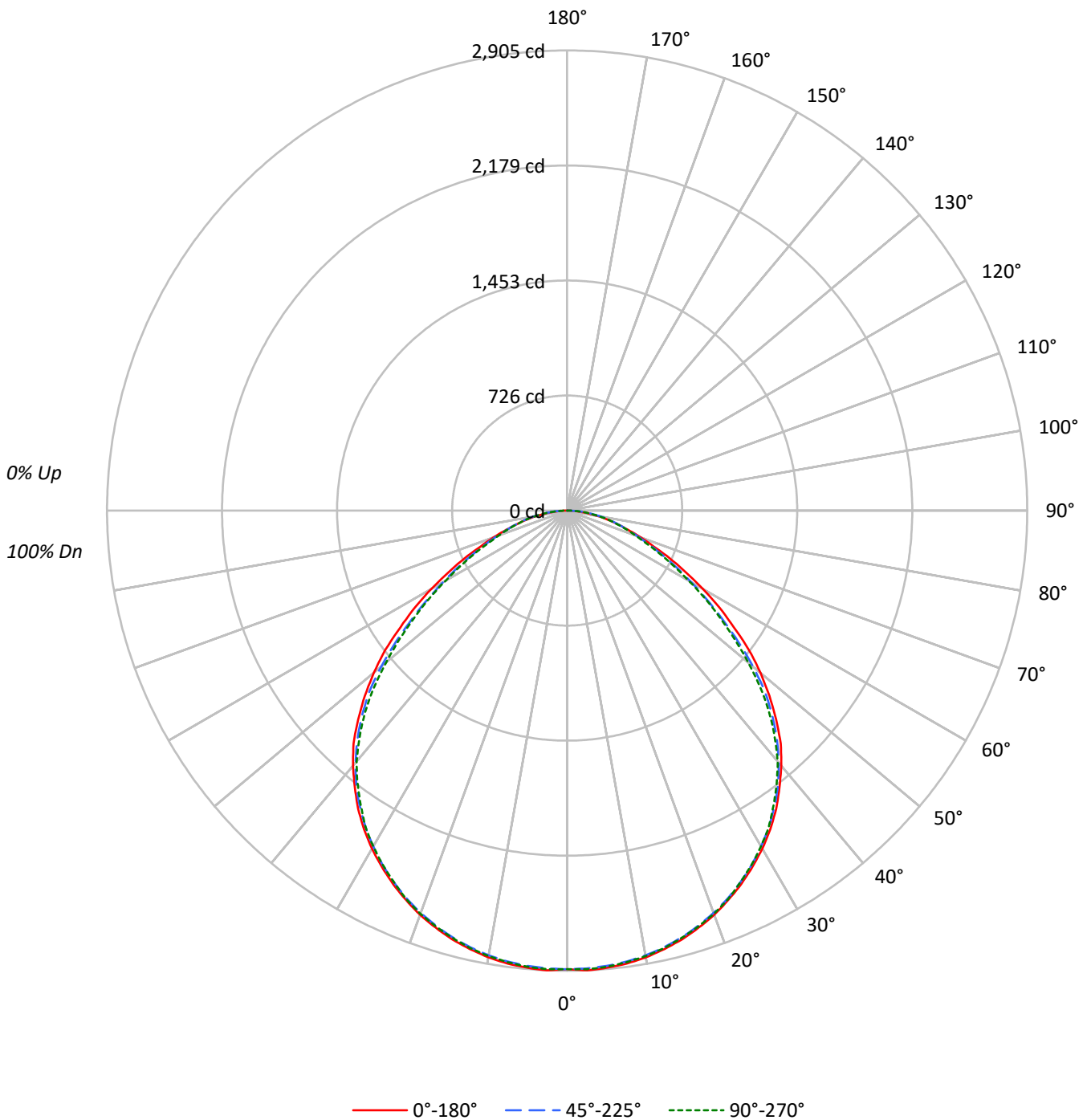
Test Method: LM-79-08  
Report Number: P738662  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-80-PC3-L950  
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7304.0 lumens  
Efficiency: N/A  
Efficacy: 106.9 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): 68.3  
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

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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°	4152	4152	4152
5°	4170	4153	4161
10°	4170	4151	4157
15°	4161	4142	4146
20°	4144	4124	4133
25°	4116	4095	4094
30°	4080	4054	4052
35°	4026	3994	3975
40°	3936	3889	3871
45°	3783	3713	3661
50°	3552	3416	3326
55°	3211	2994	2937
60°	2840	2591	2540
65°	2428	2245	2187
70°	2058	1970	1912
75°	1804	1835	1772
80°	1617	1784	1684
85°	1365	1630	1551



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	274.6	3.8
10°-20°	788.1	10.8
20°-30°	1193.8	16.3
30°-40°	1425.9	19.5
40°-50°	1406.6	19.3
50°-60°	1088.9	14.9
60°-70°	669.3	9.2
70°-80°	350.7	4.8
80°-90°	106.3	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°	2256.4	30.9
0°-40°	3682.3	50.4
0°-60°	6177.7	84.6
0°-90°	7304.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7304.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2896	2896	2896	2896	2896	
5°	2897	2888	2885	2884	2891	275
15°	2803	2794	2790	2788	2793	791
25°	2602	2593	2589	2587	2588	1198
35°	2300	2290	2282	2274	2271	1436
45°	1866	1852	1831	1812	1805	1435
55°	1285	1250	1198	1180	1175	1153
65°	716	683	662	642	645	714
75°	326	329	331	325	320	351
85°	83	93	99	97	94	97
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2895.6	2895.6	2895.6	2895.6	2895.6
2.5°	2905.3	2896.4	2892.4	2891.6	2898.0
5°	2897.2	2888.4	2885.1	2883.5	2890.8
7.5°	2884.3	2874.7	2871.4	2869.0	2875.5
10°	2864.2	2854.5	2851.3	2849.7	2855.3
12.5°	2835.2	2826.3	2823.9	2821.5	2828.7
15°	2802.9	2794.1	2790.0	2787.6	2793.3
17.5°	2761.0	2753.8	2748.9	2748.9	2753.8
20°	2715.9	2707.0	2703.0	2700.6	2708.6
22.5°	2660.3	2654.6	2649.8	2645.8	2654.6
25°	2601.5	2593.4	2588.6	2586.9	2587.8
27.5°	2534.6	2528.9	2522.5	2520.1	2521.7
30°	2464.4	2457.2	2448.3	2443.5	2447.5
32.5°	2386.3	2375.8	2368.5	2363.7	2369.4
35°	2300.0	2289.6	2281.5	2274.3	2271.0
37.5°	2201.7	2198.5	2187.2	2174.3	2173.5
40°	2102.6	2093.7	2077.6	2072.0	2067.9
42.5°	1996.2	1977.7	1960.8	1944.6	1939.0
45°	1865.7	1852.0	1831.0	1811.7	1805.2
47.5°	1731.9	1714.2	1694.0	1660.2	1656.1
50°	1592.5	1566.7	1531.2	1503.0	1490.9
52.5°	1447.4	1412.7	1363.6	1339.4	1333.0
55°	1284.6	1250.0	1197.6	1179.8	1175.0
57.5°	1139.5	1088.8	1046.1	1025.9	1032.4
60°	990.5	941.3	903.4	884.1	885.7
62.5°	844.6	805.9	777.7	759.2	761.6
65°	715.6	682.6	661.6	642.3	644.7
67.5°	589.1	573.8	558.5	547.2	540.8
70°	490.8	484.3	469.8	459.4	456.1
72.5°	401.3	405.4	393.3	390.1	389.3
75°	325.6	328.8	331.2	324.8	319.9
77.5°	260.3	265.1	274.8	265.9	264.3
80°	195.8	205.5	216.0	210.3	203.9
82.5°	137.0	149.1	158.8	151.5	148.3
85°	83.0	92.7	99.1	96.7	94.3
87.5°	37.1	40.3	43.5	44.3	42.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)