

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: P738318

Luminaire Tested: **22PT-60-PW1-L950**

Issue Date: 2/8/2024



**Test Information**

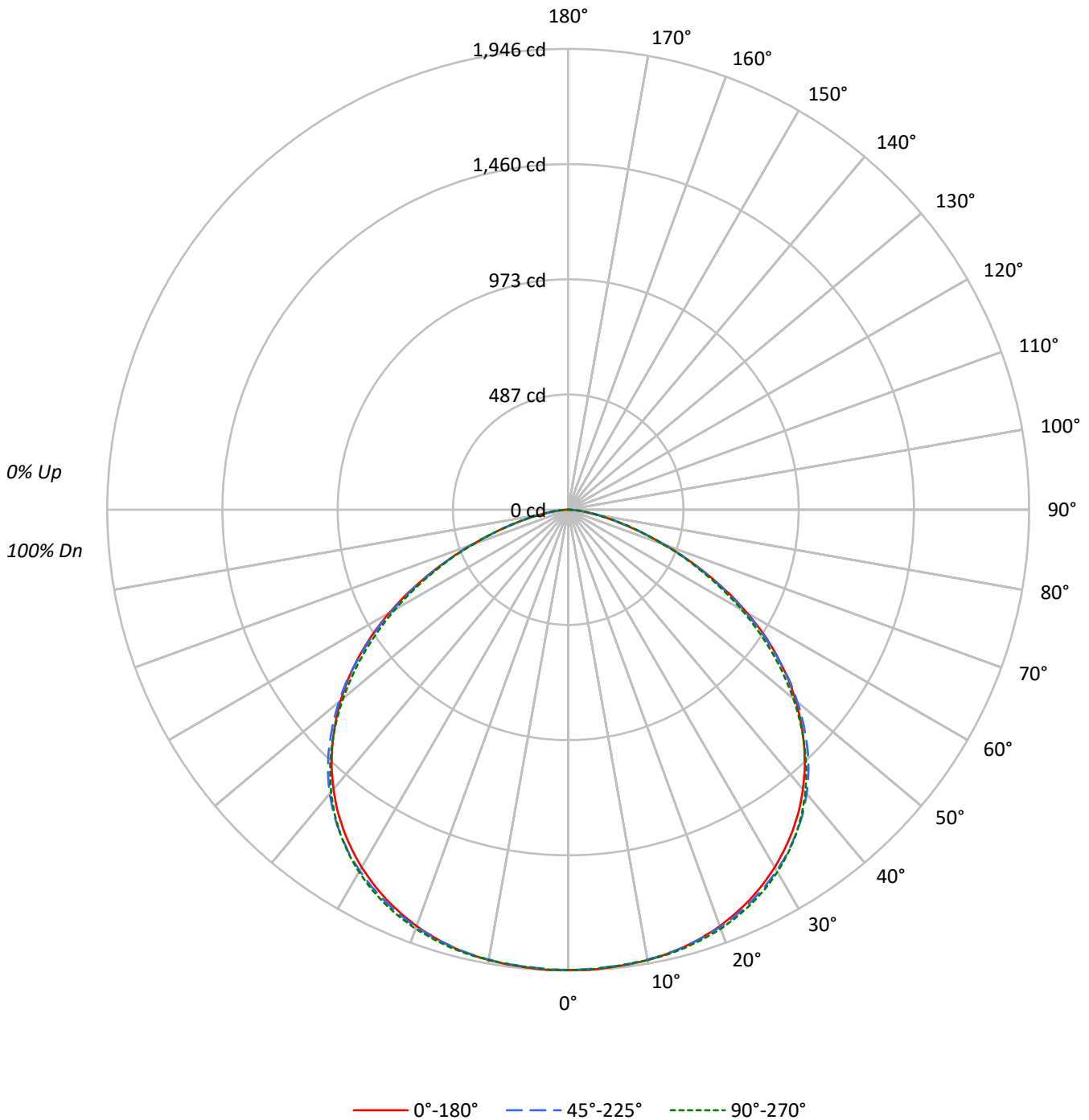
Test Method: LM-79-08  
Report Number: P738318  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-60-PW1-L950  
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5618.0 lumens  
Efficiency: N/A  
Efficacy: 108.5 lumens/watt  
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44  
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 51.8  
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

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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	99	96	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

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

	0°	45°	90°
0°	5695	5695	5695
5°	5710	5702	5704
10°	5747	5739	5745
15°	5792	5790	5807
20°	5835	5848	5872
25°	5870	5904	5931
30°	5899	5955	5977
35°	5913	5990	5993
40°	5895	5991	5957
45°	5837	5921	5849
50°	5718	5760	5655
55°	5496	5472	5369
60°	5117	5060	4954
65°	4512	4468	4383
70°	3696	3713	3636
75°	2800	2894	2871
80°	2028	2109	2075
85°	1328	1378	1472



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.8	3.3
10°-20°	539.8	9.6
20°-30°	841.5	15.0
30°-40°	1043.0	18.6
40°-50°	1091.4	19.4
50°-60°	951.1	16.9
60°-70°	637.1	11.3
70°-80°	276.2	4.9
80°-90°	53.2	0.9
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°	1566.1	27.9
0°-40°	2609.1	46.4
0°-60°	4651.6	82.8
0°-90°	5618.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5618.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1944	1944	1944	1944	1944	
5°	1941	1939	1939	1938	1939	185
15°	1909	1907	1909	1911	1914	539
25°	1816	1816	1826	1832	1834	837
35°	1653	1659	1675	1677	1675	1033
45°	1409	1416	1429	1417	1412	1085
55°	1076	1075	1071	1059	1051	958
65°	651	647	644	638	632	644
75°	247	252	256	254	254	273
85°	40	42	41	42	44	51
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1943.6	1943.6	1943.6	1943.6	1943.6
2.5°	1945.6	1942.1	1941.3	1941.3	1943.6
5°	1941.3	1939.3	1938.6	1938.0	1939.3
7.5°	1937.3	1934.5	1935.2	1933.8	1935.2
10°	1931.7	1929.0	1929.0	1929.0	1931.0
12.5°	1922.0	1919.9	1920.7	1922.0	1924.7
15°	1909.4	1906.6	1908.8	1910.9	1914.4
17.5°	1892.0	1890.0	1893.5	1897.0	1899.8
20°	1871.3	1869.1	1875.4	1880.4	1883.2
22.5°	1845.5	1844.9	1853.3	1858.8	1860.8
25°	1815.8	1816.3	1826.1	1831.6	1834.4
27.5°	1781.6	1783.1	1795.6	1800.4	1803.2
30°	1743.6	1746.9	1760.2	1764.2	1766.5
32.5°	1700.3	1705.3	1721.2	1724.0	1724.0
35°	1653.2	1659.3	1674.7	1676.7	1675.4
37.5°	1600.4	1607.3	1624.6	1621.8	1619.8
40°	1541.3	1548.9	1566.3	1560.7	1557.4
42.5°	1478.2	1485.7	1501.1	1492.8	1487.8
45°	1408.7	1416.3	1428.9	1417.0	1411.5
47.5°	1333.6	1342.6	1348.9	1335.8	1328.8
50°	1254.5	1257.3	1263.6	1248.2	1240.5
52.5°	1168.3	1168.3	1173.3	1156.5	1147.4
55°	1075.9	1075.2	1071.1	1059.3	1051.0
57.5°	978.1	973.8	971.0	958.5	948.9
60°	873.2	866.9	863.4	853.0	845.3
62.5°	763.5	760.0	755.7	747.4	739.1
65°	650.8	647.3	644.5	638.4	632.2
67.5°	539.1	536.9	536.9	532.8	532.1
70°	431.4	432.7	433.4	433.4	424.4
72.5°	334.1	334.8	338.3	335.6	334.8
75°	247.3	251.5	255.6	253.6	253.6
77.5°	177.8	184.1	184.1	182.6	180.6
80°	120.2	123.0	125.0	124.3	123.0
82.5°	76.5	78.5	76.5	77.7	78.5
85°	39.5	42.3	41.0	41.7	43.8
87.5°	13.1	14.6	15.3	14.6	14.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)