

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: P738548

Luminaire Tested: **24PT-45-PR1-L935**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738548  
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-45-PR1-L935  
Description: 4500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

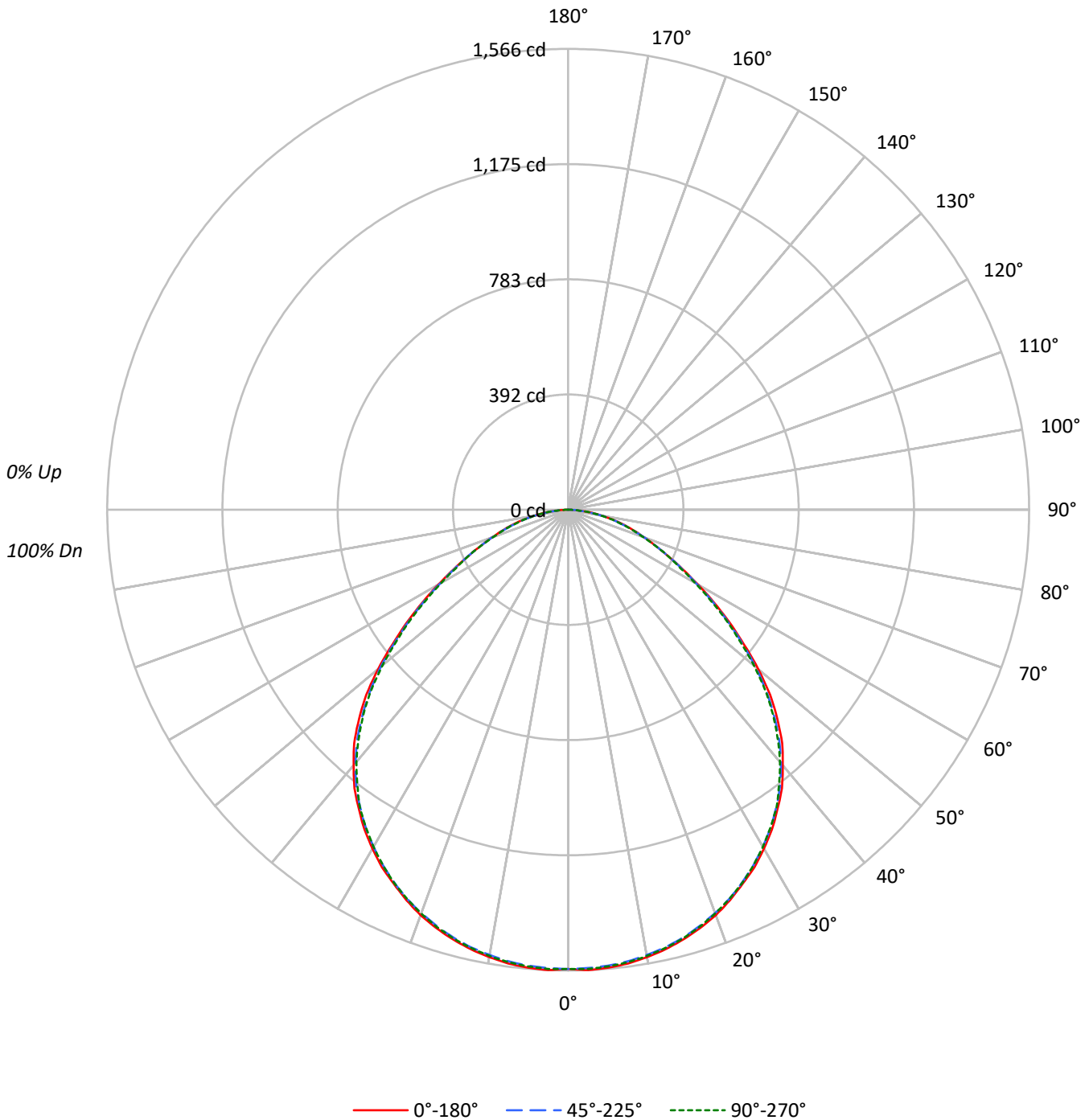
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3975.0 lumens  
Efficiency: N/A  
Efficacy: 106.9 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): 37.2  
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	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°	2238	2238	2238
5°	2248	2239	2243
10°	2248	2237	2242
15°	2244	2235	2239
20°	2237	2226	2228
25°	2219	2212	2214
30°	2202	2190	2190
35°	2171	2158	2161
40°	2122	2104	2095
45°	2038	2005	1994
50°	1881	1854	1836
55°	1674	1650	1639
60°	1459	1443	1428
65°	1279	1280	1273
70°	1151	1147	1131
75°	1072	1040	1043
80°	957	939	939
85°	739	760	730



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	148.0	3.7
10°-20°	425.1	10.7
20°-30°	644.6	16.2
30°-40°	770.9	19.4
40°-50°	761.2	19.1
50°-60°	592.5	14.9
60°-70°	376.1	9.5
70°-80°	201.8	5.1
80°-90°	54.7	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°	1217.8	30.6
0°-40°	1988.7	50.0
0°-60°	3342.3	84.1
0°-90°	3975.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3975.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1561	1561	1561	1561	1561	
5°	1562	1557	1556	1555	1558	149
15°	1512	1507	1506	1504	1508	427
25°	1403	1400	1398	1396	1399	647
35°	1240	1238	1233	1229	1234	776
45°	1005	998	989	984	984	771
55°	670	666	660	656	656	600
65°	377	378	377	373	375	378
75°	194	190	188	187	188	205
85°	45	46	46	46	44	55
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1560.8	1560.8	1560.8	1560.8	1560.8
2.5°	1566.0	1560.8	1559.1	1558.2	1562.1
5°	1562.1	1557.3	1555.6	1554.7	1558.2
7.5°	1555.6	1549.9	1548.2	1547.3	1551.2
10°	1543.8	1538.6	1536.4	1536.4	1539.9
12.5°	1529.9	1525.5	1523.3	1521.6	1525.5
15°	1512.0	1506.8	1505.5	1503.7	1508.1
17.5°	1490.7	1485.4	1483.7	1482.8	1485.9
20°	1466.3	1459.7	1458.9	1458.4	1460.2
22.5°	1436.2	1432.7	1431.0	1430.1	1431.4
25°	1402.6	1400.0	1398.3	1395.7	1399.2
27.5°	1370.0	1366.5	1362.1	1359.9	1362.1
30°	1329.9	1325.5	1322.5	1321.6	1322.5
32.5°	1288.5	1284.1	1280.2	1279.8	1279.3
35°	1240.5	1237.9	1233.1	1229.2	1234.4
37.5°	1193.1	1187.0	1182.6	1177.8	1176.5
40°	1133.8	1131.6	1124.2	1119.8	1119.4
42.5°	1076.3	1066.3	1061.0	1058.0	1053.2
45°	1004.8	997.8	988.7	983.9	983.5
47.5°	930.3	921.6	912.9	906.3	908.1
50°	843.2	839.2	831.0	825.3	823.1
52.5°	753.4	752.5	743.8	740.3	736.4
55°	669.7	666.2	660.1	655.8	655.8
57.5°	587.4	584.3	581.3	573.0	573.0
60°	508.9	508.5	503.3	498.5	498.0
62.5°	438.8	441.4	436.6	431.8	429.2
65°	376.9	378.2	377.3	372.6	375.2
67.5°	322.4	322.9	321.1	318.5	320.3
70°	274.5	276.7	273.6	271.9	269.7
72.5°	232.7	231.8	229.2	230.5	227.5
75°	193.5	190.4	187.8	187.4	188.2
77.5°	154.3	153.4	151.2	151.2	149.9
80°	115.9	115.0	113.7	114.2	113.7
82.5°	82.4	80.2	78.4	79.3	79.7
85°	44.9	45.8	46.2	46.2	44.4
87.5°	18.3	17.9	18.3	19.2	19.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)