

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: P738532

Luminaire Tested: **24PT-45-PC3-L935**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738532  
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-45-PC3-L935  
Description: 4500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source: -  
Ballast/Driver: -

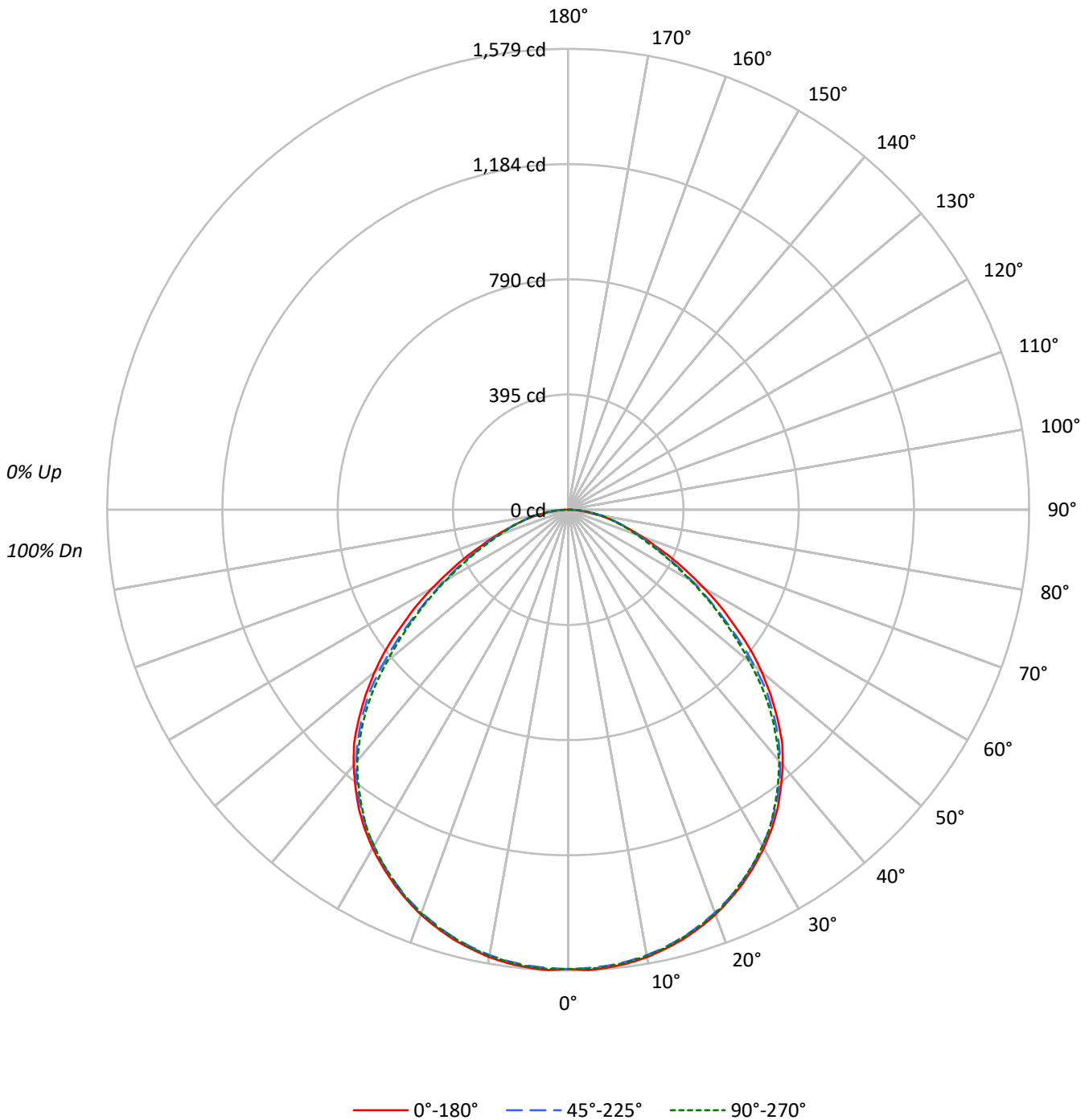
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3970.0 lumens  
Efficiency: N/A  
Efficacy: 106.7 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): 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	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°	2257	2257	2257
5°	2267	2257	2261
10°	2267	2256	2260
15°	2262	2251	2254
20°	2253	2242	2246
25°	2237	2226	2225
30°	2218	2203	2203
35°	2188	2171	2161
40°	2139	2114	2104
45°	2056	2018	1990
50°	1931	1857	1808
55°	1745	1627	1597
60°	1544	1408	1381
65°	1320	1220	1189
70°	1119	1071	1039
75°	981	997	963
80°	879	969	915
85°	742	887	844



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	149.2	3.8
10°-20°	428.3	10.8
20°-30°	648.9	16.3
30°-40°	775.0	19.5
40°-50°	764.5	19.3
50°-60°	591.8	14.9
60°-70°	363.8	9.2
70°-80°	190.6	4.8
80°-90°	57.8	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°	1226.4	30.9
0°-40°	2001.4	50.4
0°-60°	3357.8	84.6
0°-90°	3970.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3970.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1574	1574	1574	1574	1574	
5°	1575	1570	1568	1567	1571	150
15°	1524	1519	1516	1515	1518	430
25°	1414	1410	1407	1406	1406	651
35°	1250	1244	1240	1236	1234	780
45°	1014	1007	995	985	981	780
55°	698	679	651	641	639	627
65°	389	371	360	349	350	388
75°	177	179	180	176	174	191
85°	45	50	54	53	51	52
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1573.9	1573.9	1573.9	1573.9	1573.9
2.5°	1579.1	1574.3	1572.1	1571.7	1575.2
5°	1574.7	1569.9	1568.2	1567.3	1571.2
7.5°	1567.7	1562.5	1560.7	1559.4	1562.9
10°	1556.8	1551.5	1549.8	1548.9	1552.0
12.5°	1541.0	1536.2	1534.9	1533.6	1537.5
15°	1523.5	1518.7	1516.5	1515.2	1518.2
17.5°	1500.7	1496.8	1494.1	1494.1	1496.8
20°	1476.2	1471.4	1469.2	1467.9	1472.2
22.5°	1446.0	1442.9	1440.3	1438.1	1442.9
25°	1414.0	1409.6	1407.0	1406.1	1406.5
27.5°	1377.6	1374.6	1371.1	1369.7	1370.6
30°	1339.5	1335.6	1330.8	1328.1	1330.3
32.5°	1297.0	1291.3	1287.4	1284.8	1287.8
35°	1250.2	1244.5	1240.1	1236.1	1234.4
37.5°	1196.7	1195.0	1188.8	1181.8	1181.4
40°	1142.8	1138.0	1129.3	1126.2	1124.0
42.5°	1085.0	1074.9	1065.7	1057.0	1053.9
45°	1014.1	1006.6	995.2	984.7	981.2
47.5°	941.3	931.7	920.8	902.4	900.2
50°	865.6	851.5	832.3	816.9	810.4
52.5°	786.7	767.9	741.2	728.0	724.5
55°	698.2	679.4	650.9	641.3	638.7
57.5°	619.4	591.8	568.6	557.6	561.1
60°	538.3	511.6	491.0	480.5	481.4
62.5°	459.1	438.0	422.7	412.6	413.9
65°	389.0	371.0	359.6	349.1	350.4
67.5°	320.2	311.9	303.6	297.4	293.9
70°	266.8	263.3	255.4	249.7	247.9
72.5°	218.1	220.3	213.8	212.0	211.6
75°	177.0	178.7	180.0	176.5	173.9
77.5°	141.5	144.1	149.4	144.6	143.7
80°	106.4	111.7	117.4	114.3	110.8
82.5°	74.5	81.0	86.3	82.4	80.6
85°	45.1	50.4	53.9	52.6	51.3
87.5°	20.1	21.9	23.7	24.1	23.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)