

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: P738479

Luminaire Tested: **24PT-35-PR1-L830**

Issue Date: 2/8/2024



**Test Information**

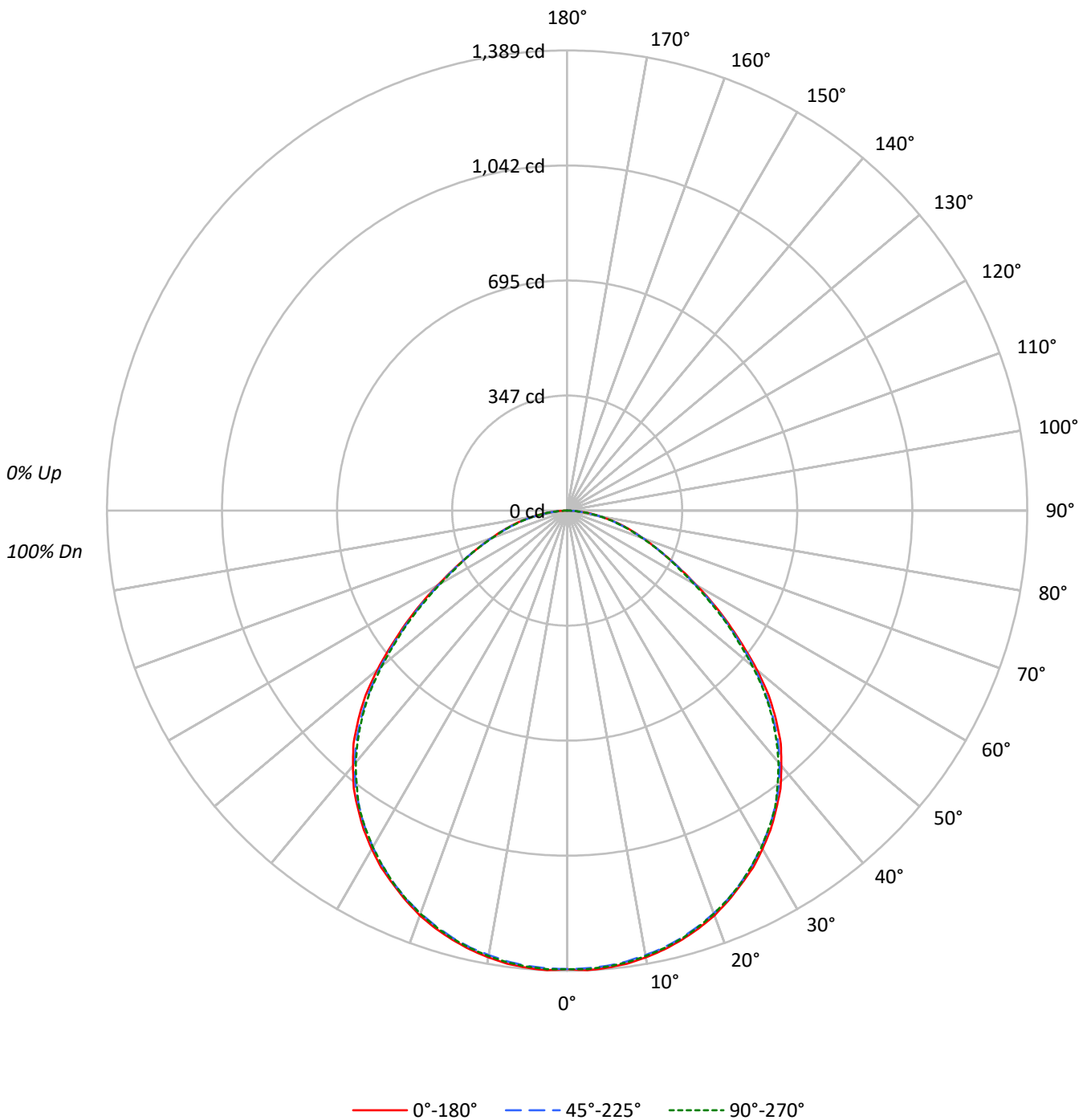
Test Method: LM-79-08  
Report Number: P738479  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-35-PR1-L830  
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPPLE LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3525.0 lumens  
Efficiency: N/A  
Efficacy: 125.0 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): 28.2  
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°	1985	1985	1985
5°	1994	1986	1989
10°	1993	1984	1988
15°	1990	1982	1985
20°	1984	1974	1976
25°	1968	1962	1963
30°	1953	1942	1942
35°	1926	1914	1916
40°	1882	1866	1858
45°	1807	1778	1768
50°	1668	1644	1628
55°	1485	1463	1454
60°	1294	1280	1267
65°	1134	1135	1129
70°	1020	1017	1003
75°	951	922	925
80°	849	833	833
85°	655	675	648



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.3	3.7
10°-20°	377.0	10.7
20°-30°	571.6	16.2
30°-40°	683.7	19.4
40°-50°	675.0	19.1
50°-60°	525.4	14.9
60°-70°	333.5	9.5
70°-80°	179.0	5.1
80°-90°	48.5	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°	1079.9	30.6
0°-40°	1763.6	50.0
0°-60°	2963.9	84.1
0°-90°	3525.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3525.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1384	1384	1384	1384	1384	
5°	1385	1381	1380	1379	1382	132
15°	1341	1336	1335	1334	1337	378
25°	1244	1242	1240	1238	1241	574
35°	1100	1098	1094	1090	1095	688
45°	891	885	877	872	872	684
55°	594	591	585	582	582	532
65°	334	335	335	330	333	335
75°	172	169	166	166	167	181
85°	40	41	41	41	39	49
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1384.1	1384.1	1384.1	1384.1	1384.1
2.5°	1388.8	1384.1	1382.6	1381.8	1385.3
5°	1385.3	1381.0	1379.5	1378.7	1381.8
7.5°	1379.5	1374.5	1372.9	1372.1	1375.6
10°	1369.1	1364.4	1362.5	1362.5	1365.6
12.5°	1356.7	1352.8	1350.9	1349.3	1352.8
15°	1340.8	1336.2	1335.0	1333.5	1337.4
17.5°	1321.9	1317.3	1315.7	1315.0	1317.7
20°	1300.3	1294.5	1293.7	1293.3	1294.9
22.5°	1273.6	1270.5	1269.0	1268.2	1269.4
25°	1243.9	1241.5	1240.0	1237.7	1240.8
27.5°	1214.9	1211.8	1207.9	1206.0	1207.9
30°	1179.3	1175.5	1172.8	1172.0	1172.8
32.5°	1142.6	1138.8	1135.3	1134.9	1134.5
35°	1100.1	1097.8	1093.5	1090.1	1094.7
37.5°	1058.0	1052.6	1048.7	1044.5	1043.3
40°	1005.4	1003.5	996.9	993.1	992.7
42.5°	954.4	945.5	940.9	938.2	934.0
45°	891.1	884.9	876.8	872.5	872.1
47.5°	825.0	817.3	809.5	803.7	805.3
50°	747.7	744.2	736.9	731.9	729.9
52.5°	668.1	667.3	659.6	656.5	653.0
55°	593.9	590.8	585.4	581.5	581.5
57.5°	520.9	518.2	515.5	508.1	508.1
60°	451.3	450.9	446.3	442.1	441.7
62.5°	389.1	391.4	387.2	382.9	380.6
65°	334.2	335.4	334.6	330.4	332.7
67.5°	285.9	286.3	284.8	282.5	284.0
70°	243.4	245.4	242.7	241.1	239.2
72.5°	206.3	205.6	203.3	204.4	201.7
75°	171.6	168.9	166.5	166.2	166.9
77.5°	136.8	136.0	134.1	134.1	132.9
80°	102.8	102.0	100.9	101.2	100.9
82.5°	73.0	71.1	69.6	70.3	70.7
85°	39.8	40.6	41.0	41.0	39.4
87.5°	16.2	15.8	16.2	17.0	17.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)