

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: P738463

Luminaire Tested: **24PT-35-PC3-L830**

Issue Date: 2/8/2024



**Test Information**

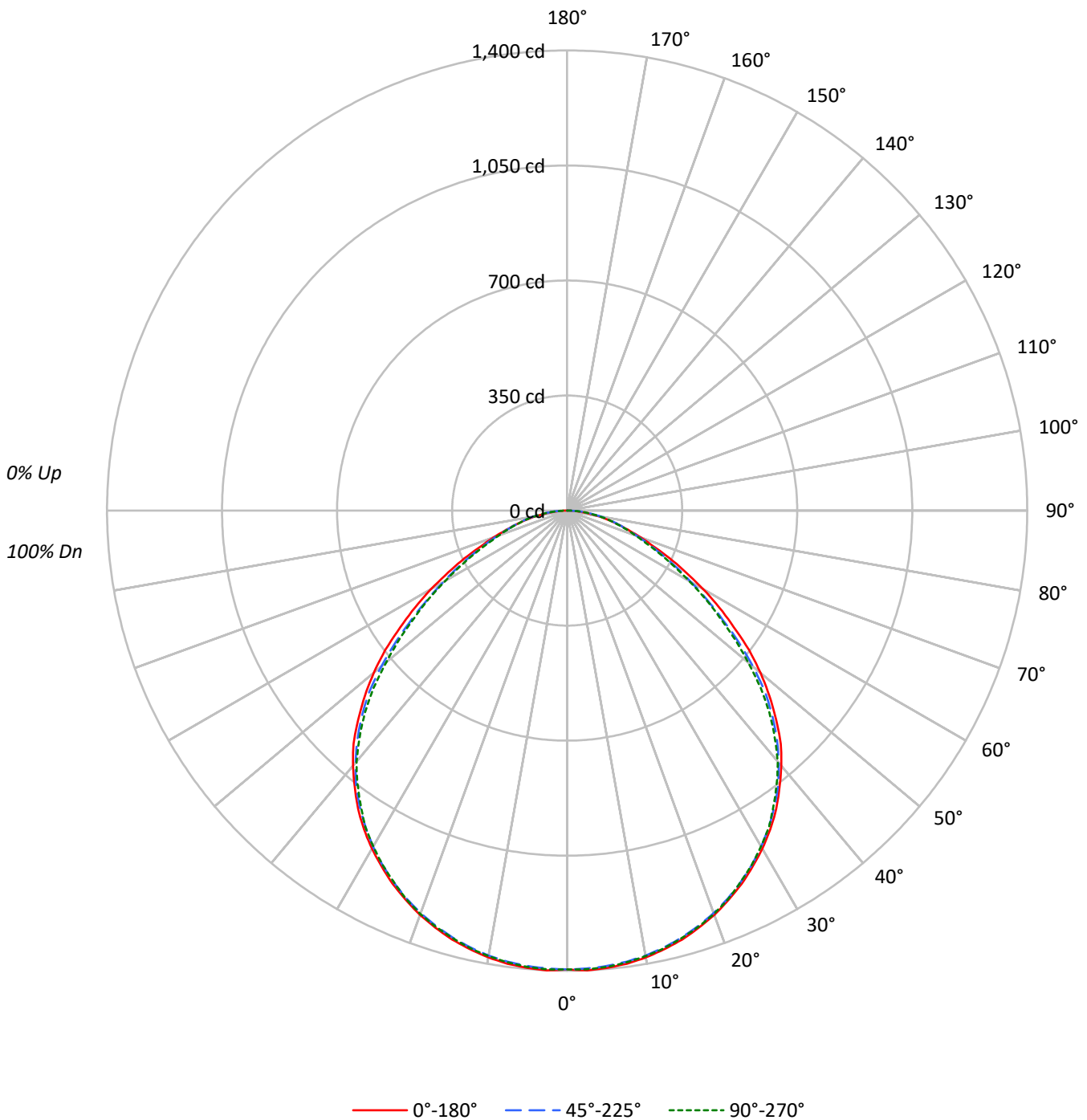
Test Method: LM-79-08  
Report Number: P738463  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-35-PC3-L830  
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3521.0 lumens  
Efficiency: N/A  
Efficacy: 124.9 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): 28.2  
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	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					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86					86			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73					73			
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62					62			
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47					47			
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41					41			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37					37			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27					27			

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

	0°	45°	90°
0°	2002	2002	2002
5°	2010	2002	2006
10°	2010	2001	2004
15°	2006	1997	1999
20°	1998	1988	1992
25°	1984	1974	1974
30°	1967	1954	1954
35°	1941	1925	1916
40°	1897	1875	1866
45°	1824	1790	1765
50°	1713	1646	1603
55°	1548	1443	1416
60°	1369	1249	1225
65°	1171	1082	1054
70°	992	950	922
75°	870	885	854
80°	779	860	812
85°	658	786	749



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.4	3.8
10°-20°	379.9	10.8
20°-30°	575.5	16.3
30°-40°	687.4	19.5
40°-50°	678.1	19.3
50°-60°	524.9	14.9
60°-70°	322.6	9.2
70°-80°	169.1	4.8
80°-90°	51.2	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°	1087.7	30.9
0°-40°	1775.1	50.4
0°-60°	2978.1	84.6
0°-90°	3521.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3521.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1396	1396	1396	1396	1396	
5°	1397	1392	1391	1390	1394	133
15°	1351	1347	1345	1344	1346	381
25°	1254	1250	1248	1247	1248	578
35°	1109	1104	1100	1096	1095	692
45°	899	893	883	873	870	692
55°	619	603	577	569	566	556
65°	345	329	319	310	311	344
75°	157	158	160	157	154	169
85°	40	45	48	47	46	47
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1395.9	1395.9	1395.9	1395.9	1395.9
2.5°	1400.5	1396.3	1394.3	1393.9	1397.0
5°	1396.6	1392.4	1390.8	1390.0	1393.5
7.5°	1390.4	1385.8	1384.2	1383.0	1386.2
10°	1380.7	1376.1	1374.5	1373.7	1376.4
12.5°	1366.7	1362.5	1361.3	1360.1	1363.6
15°	1351.2	1346.9	1345.0	1343.8	1346.5
17.5°	1331.0	1327.5	1325.2	1325.2	1327.5
20°	1309.2	1305.0	1303.0	1301.9	1305.7
22.5°	1282.4	1279.7	1277.4	1275.4	1279.7
25°	1254.1	1250.2	1247.9	1247.1	1247.5
27.5°	1221.8	1219.1	1216.0	1214.8	1215.6
30°	1188.0	1184.5	1180.3	1177.9	1179.9
32.5°	1150.3	1145.3	1141.8	1139.5	1142.2
35°	1108.8	1103.7	1099.8	1096.3	1094.8
37.5°	1061.4	1059.8	1054.4	1048.2	1047.8
40°	1013.6	1009.3	1001.5	998.8	996.9
42.5°	962.3	953.4	945.2	937.4	934.7
45°	899.4	892.8	882.7	873.3	870.2
47.5°	834.9	826.3	816.6	800.3	798.4
50°	767.7	755.2	738.1	724.5	718.7
52.5°	697.7	681.0	657.3	645.7	642.6
55°	619.3	602.6	577.3	568.8	566.4
57.5°	549.3	524.9	504.3	494.6	497.7
60°	477.5	453.8	435.5	426.2	427.0
62.5°	407.1	388.5	374.9	366.0	367.1
65°	345.0	329.1	319.0	309.6	310.8
67.5°	284.0	276.6	269.2	263.8	260.7
70°	236.6	233.5	226.5	221.4	219.9
72.5°	193.5	195.4	189.6	188.0	187.6
75°	157.0	158.5	159.7	156.6	154.2
77.5°	125.5	127.8	132.5	128.2	127.4
80°	94.4	99.1	104.1	101.4	98.3
82.5°	66.0	71.9	76.5	73.0	71.5
85°	40.0	44.7	47.8	46.6	45.5
87.5°	17.9	19.4	21.0	21.4	20.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)