

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: P738512

Luminaire Tested: **24PT-40-PR1-L835**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738512  
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-40-PR1-L835  
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source: -  
Ballast/Driver: -

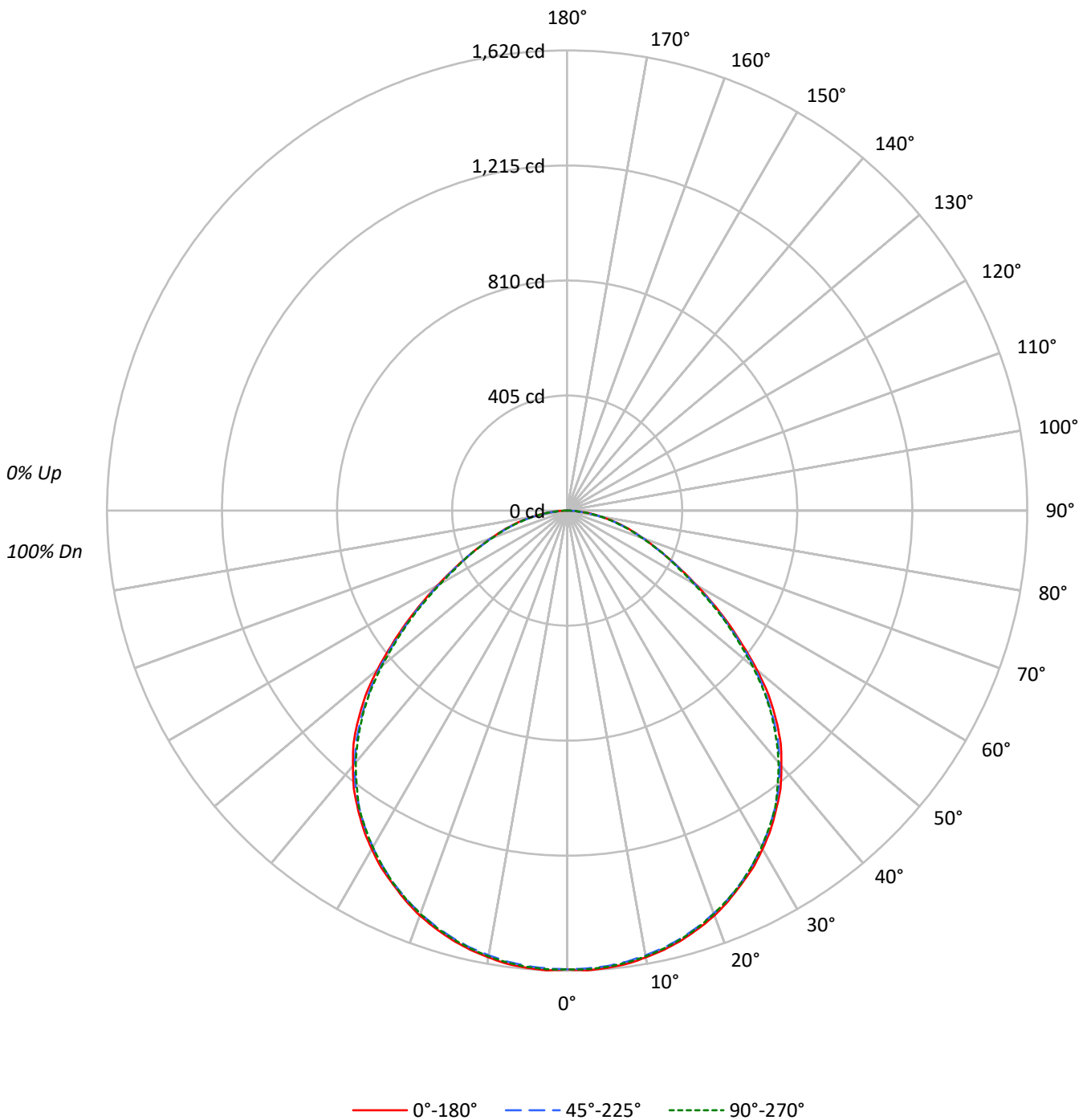
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4113.0 lumens  
Efficiency: N/A  
Efficacy: 125.8 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): 32.7  
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°	2316	2316	2316
5°	2327	2317	2321
10°	2326	2315	2320
15°	2322	2312	2316
20°	2315	2303	2305
25°	2296	2289	2290
30°	2278	2266	2266
35°	2247	2234	2236
40°	2196	2177	2168
45°	2108	2074	2063
50°	1946	1918	1900
55°	1732	1708	1696
60°	1510	1494	1478
65°	1323	1325	1317
70°	1191	1187	1170
75°	1109	1076	1079
80°	990	972	972
85°	763	786	757



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.2	3.7
10°-20°	439.9	10.7
20°-30°	666.9	16.2
30°-40°	797.7	19.4
40°-50°	787.6	19.1
50°-60°	613.0	14.9
60°-70°	389.2	9.5
70°-80°	208.9	5.1
80°-90°	56.6	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°	1260.0	30.6
0°-40°	2057.7	50.0
0°-60°	3458.4	84.1
0°-90°	4113.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4113.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1615	1615	1615	1615	1615	
5°	1616	1611	1610	1609	1612	154
15°	1564	1559	1558	1556	1560	442
25°	1451	1449	1447	1444	1448	669
35°	1284	1281	1276	1272	1277	803
45°	1040	1032	1023	1018	1018	798
55°	693	689	683	679	679	621
65°	390	391	390	386	388	391
75°	200	197	194	194	195	212
85°	46	47	48	48	46	57
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1615.0	1615.0	1615.0	1615.0	1615.0
2.5°	1620.4	1615.0	1613.2	1612.3	1616.4
5°	1616.4	1611.4	1609.6	1608.7	1612.3
7.5°	1609.6	1603.7	1601.9	1601.0	1605.1
10°	1597.4	1592.0	1589.8	1589.8	1593.4
12.5°	1583.0	1578.5	1576.2	1574.4	1578.5
15°	1564.5	1559.1	1557.7	1555.9	1560.4
17.5°	1542.4	1537.0	1535.2	1534.3	1537.5
20°	1517.2	1510.4	1509.5	1509.1	1510.9
22.5°	1486.1	1482.4	1480.6	1479.7	1481.1
25°	1451.3	1448.6	1446.8	1444.1	1447.7
27.5°	1417.5	1413.9	1409.4	1407.2	1409.4
30°	1376.0	1371.5	1368.4	1367.5	1368.4
32.5°	1333.2	1328.7	1324.6	1324.2	1323.7
35°	1283.6	1280.9	1276.0	1271.9	1277.3
37.5°	1234.5	1228.2	1223.7	1218.7	1217.3
40°	1173.2	1170.9	1163.2	1158.7	1158.3
42.5°	1113.6	1103.3	1097.9	1094.7	1089.7
45°	1039.7	1032.5	1023.0	1018.1	1017.6
47.5°	962.6	953.6	944.6	937.8	939.6
50°	872.4	868.4	859.8	853.9	851.7
52.5°	779.5	778.6	769.6	766.0	762.0
55°	693.0	689.4	683.1	678.6	678.6
57.5°	607.8	604.6	601.5	592.9	592.9
60°	526.6	526.2	520.8	515.8	515.3
62.5°	454.0	456.7	451.8	446.8	444.1
65°	390.0	391.4	390.5	385.5	388.2
67.5°	333.6	334.1	332.3	329.6	331.4
70°	284.0	286.3	283.1	281.3	279.1
72.5°	240.8	239.9	237.2	238.5	235.4
75°	200.2	197.0	194.3	193.9	194.8
77.5°	159.6	158.7	156.5	156.5	155.1
80°	119.9	119.0	117.7	118.1	117.7
82.5°	85.2	83.0	81.2	82.1	82.5
85°	46.4	47.3	47.8	47.8	46.0
87.5°	18.9	18.5	18.9	19.8	20.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)