

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: P738496

Luminaire Tested: **24PT-40-PC3-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738496
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-40-PC3-L835
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

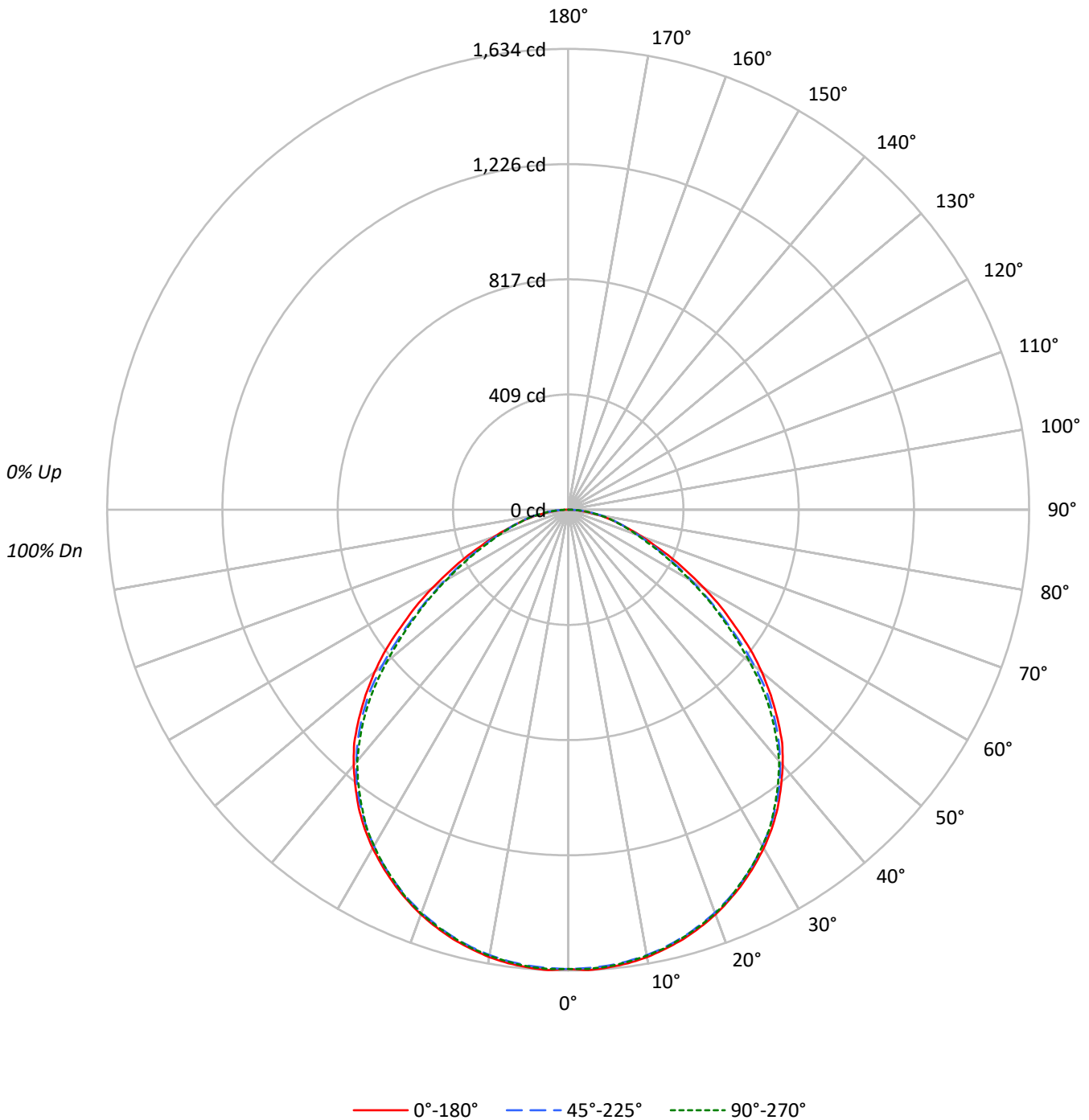
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4108.0 lumens
Efficiency: N/A
Efficacy: 125.6 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): 32.7
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	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°	2335	2335	2335
5°	2345	2336	2340
10°	2345	2335	2338
15°	2340	2329	2332
20°	2331	2320	2325
25°	2315	2303	2303
30°	2295	2280	2279
35°	2264	2246	2236
40°	2214	2187	2177
45°	2128	2088	2059
50°	1998	1921	1870
55°	1806	1684	1652
60°	1598	1457	1428
65°	1366	1262	1230
70°	1157	1108	1075
75°	1014	1032	997
80°	909	1003	947
85°	768	918	872



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.4	3.8
10°-20°	443.2	10.8
20°-30°	671.4	16.3
30°-40°	801.9	19.5
40°-50°	791.1	19.3
50°-60°	612.4	14.9
60°-70°	376.4	9.2
70°-80°	197.2	4.8
80°-90°	59.8	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°	1269.1	30.9
0°-40°	2071.0	50.4
0°-60°	3474.5	84.6
0°-90°	4108.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4108.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1629	1629	1629	1629	1629	
5°	1630	1624	1623	1622	1626	155
15°	1576	1572	1569	1568	1571	445
25°	1463	1459	1456	1455	1455	674
35°	1294	1288	1283	1279	1277	808
45°	1049	1042	1030	1019	1015	807
55°	722	703	674	664	661	648
65°	402	384	372	361	363	402
75°	183	185	186	183	180	197
85°	47	52	56	54	53	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1628.6	1628.6	1628.6	1628.6	1628.6
2.5°	1634.0	1629.0	1626.8	1626.3	1629.9
5°	1629.5	1624.5	1622.7	1621.8	1625.9
7.5°	1622.2	1616.8	1615.0	1613.6	1617.2
10°	1610.9	1605.5	1603.7	1602.7	1605.9
12.5°	1594.6	1589.6	1588.2	1586.9	1591.0
15°	1576.5	1571.5	1569.2	1567.8	1571.0
17.5°	1552.9	1548.8	1546.1	1546.1	1548.8
20°	1527.5	1522.5	1520.3	1518.9	1523.4
22.5°	1496.2	1493.1	1490.3	1488.1	1493.1
25°	1463.1	1458.6	1455.9	1455.0	1455.4
27.5°	1425.5	1422.3	1418.7	1417.4	1418.3
30°	1386.1	1382.0	1377.0	1374.3	1376.6
32.5°	1342.1	1336.2	1332.1	1329.4	1332.6
35°	1293.6	1287.7	1283.2	1279.1	1277.3
37.5°	1238.3	1236.5	1230.2	1222.9	1222.5
40°	1182.6	1177.6	1168.5	1165.3	1163.1
42.5°	1122.7	1112.3	1102.8	1093.7	1090.6
45°	1049.3	1041.6	1029.8	1018.9	1015.3
47.5°	974.1	964.1	952.8	933.7	931.5
50°	895.7	881.1	861.2	845.3	838.5
52.5°	814.1	794.6	766.9	753.3	749.7
55°	722.5	703.0	673.6	663.6	660.9
57.5°	640.9	612.4	588.3	577.0	580.6
60°	557.1	529.4	508.1	497.2	498.1
62.5°	475.0	453.3	437.4	427.0	428.3
65°	402.5	383.9	372.1	361.3	362.6
67.5°	331.3	322.7	314.1	307.8	304.1
70°	276.0	272.4	264.3	258.4	256.5
72.5°	225.7	228.0	221.2	219.4	218.9
75°	183.1	184.9	186.3	182.7	179.9
77.5°	146.4	149.1	154.6	149.6	148.7
80°	110.1	115.6	121.5	118.3	114.7
82.5°	77.1	83.9	89.3	85.2	83.4
85°	46.7	52.1	55.8	54.4	53.0
87.5°	20.9	22.7	24.5	24.9	24.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)