

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: P738506

Luminaire Tested: **24PT-40-PL1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738506
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-40-PL1-L850
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

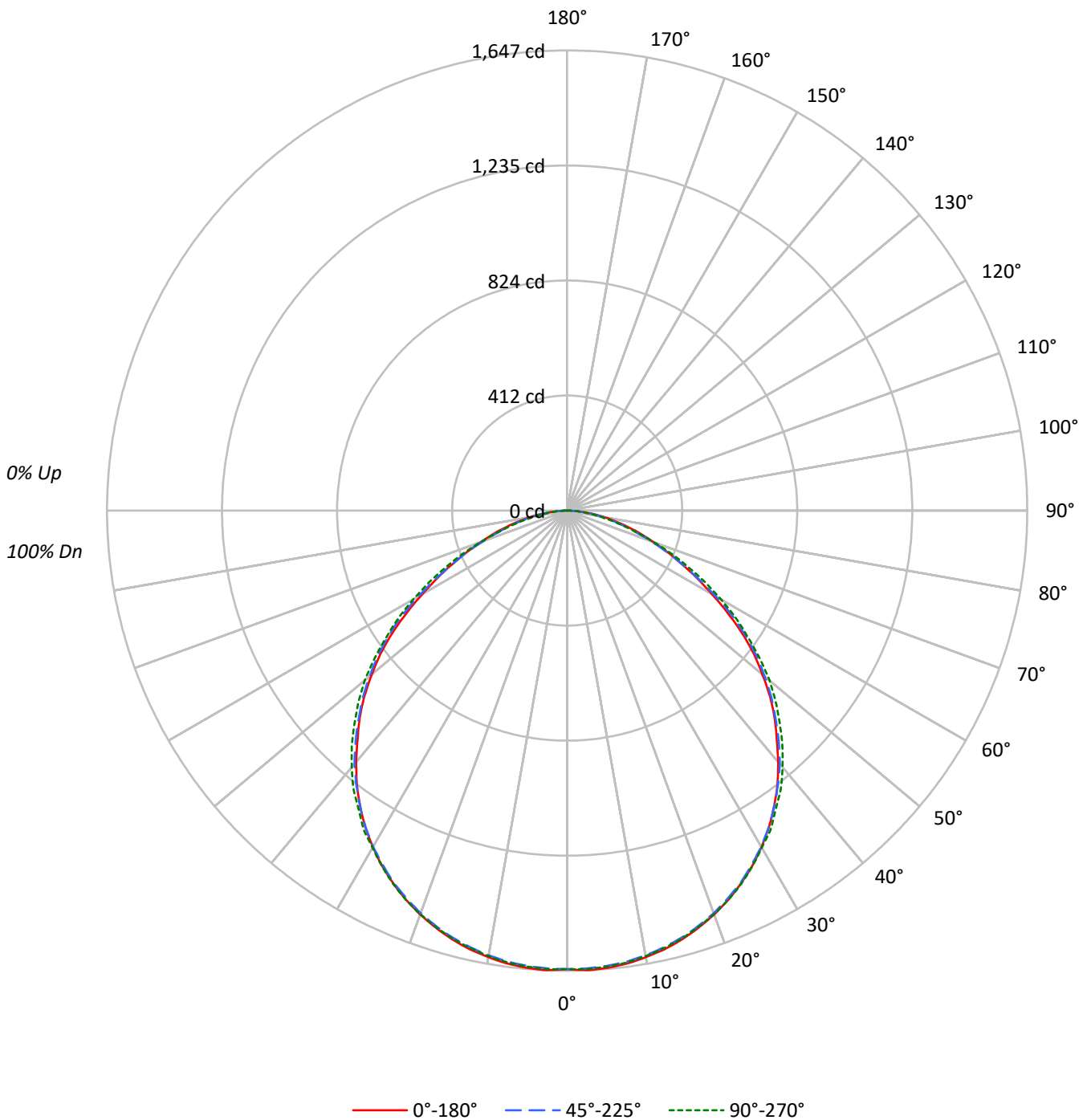
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4344.0 lumens
Efficiency: N/A
Efficacy: 132.8 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_{in}): 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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2353	2353	2353
5°	2365	2355	2358
10°	2363	2354	2358
15°	2359	2349	2354
20°	2347	2340	2346
25°	2330	2325	2332
30°	2303	2299	2307
35°	2261	2262	2279
40°	2199	2215	2245
45°	2130	2140	2182
50°	2035	2058	2108
55°	1910	1946	1975
60°	1715	1757	1822
65°	1535	1538	1621
70°	1368	1331	1378
75°	1236	1163	1142
80°	1098	1025	903
85°	900	854	706



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.7	3.6
10°-20°	447.0	10.3
20°-30°	677.2	15.6
30°-40°	809.3	18.6
40°-50°	816.4	18.8
50°-60°	692.6	15.9
60°-70°	458.3	10.5
70°-80°	227.4	5.2
80°-90°	60.2	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°	1279.9	29.5
0°-40°	2089.2	48.1
0°-60°	3598.2	82.8
0°-90°	4344.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4344.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1641	1641	1641	1641	1641	
5°	1643	1637	1636	1635	1638	156
15°	1589	1584	1583	1583	1586	448
25°	1473	1469	1469	1469	1474	678
35°	1292	1290	1292	1299	1302	807
45°	1050	1049	1055	1069	1076	808
55°	764	766	778	785	790	679
65°	452	451	453	468	478	451
75°	223	217	210	203	206	239
85°	55	55	52	48	43	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1641.1	1641.1	1641.1	1641.1	1641.1
2.5°	1646.8	1641.6	1640.2	1639.3	1643.0
5°	1643.0	1637.4	1636.0	1635.0	1638.3
7.5°	1635.5	1629.4	1628.4	1627.5	1631.7
10°	1623.2	1617.6	1616.6	1615.7	1619.4
12.5°	1608.6	1602.9	1601.0	1601.5	1603.9
15°	1589.3	1584.1	1582.7	1582.7	1586.0
17.5°	1565.2	1560.5	1559.5	1559.1	1563.3
20°	1538.3	1533.6	1533.6	1535.0	1537.4
22.5°	1507.6	1504.3	1502.5	1503.4	1508.1
25°	1472.7	1469.4	1469.4	1469.0	1474.2
27.5°	1434.1	1429.8	1429.8	1433.6	1435.5
30°	1390.7	1386.9	1388.8	1391.6	1393.5
32.5°	1344.0	1341.6	1343.0	1347.3	1354.8
35°	1291.6	1289.7	1292.1	1299.1	1302.0
37.5°	1236.9	1235.5	1238.8	1248.2	1256.2
40°	1174.6	1174.6	1183.6	1192.1	1199.6
42.5°	1110.0	1114.2	1120.8	1134.0	1140.6
45°	1050.5	1049.1	1055.3	1069.4	1076.0
47.5°	984.5	983.1	992.0	1002.0	1012.8
50°	912.3	911.9	922.7	931.2	944.9
52.5°	842.0	846.3	853.4	860.9	868.9
55°	764.2	766.1	778.4	785.4	790.1
57.5°	680.2	686.4	701.5	711.8	716.1
60°	598.2	601.9	612.8	631.2	635.4
62.5°	523.6	525.0	531.6	552.4	558.1
65°	452.4	451.4	453.3	467.5	477.9
67.5°	387.8	384.0	384.0	391.5	404.3
70°	326.4	320.8	317.5	319.8	328.8
72.5°	275.0	267.5	259.0	257.6	263.2
75°	223.1	217.0	209.9	203.3	206.1
77.5°	177.8	172.7	166.0	158.5	154.7
80°	133.0	131.1	124.1	117.0	109.4
82.5°	92.9	91.5	86.8	81.1	76.4
85°	54.7	54.7	51.9	47.6	42.9
87.5°	24.5	23.6	24.5	20.8	19.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)