

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: P738513

Luminaire Tested: **24PT-40-PR1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738513
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-L840
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

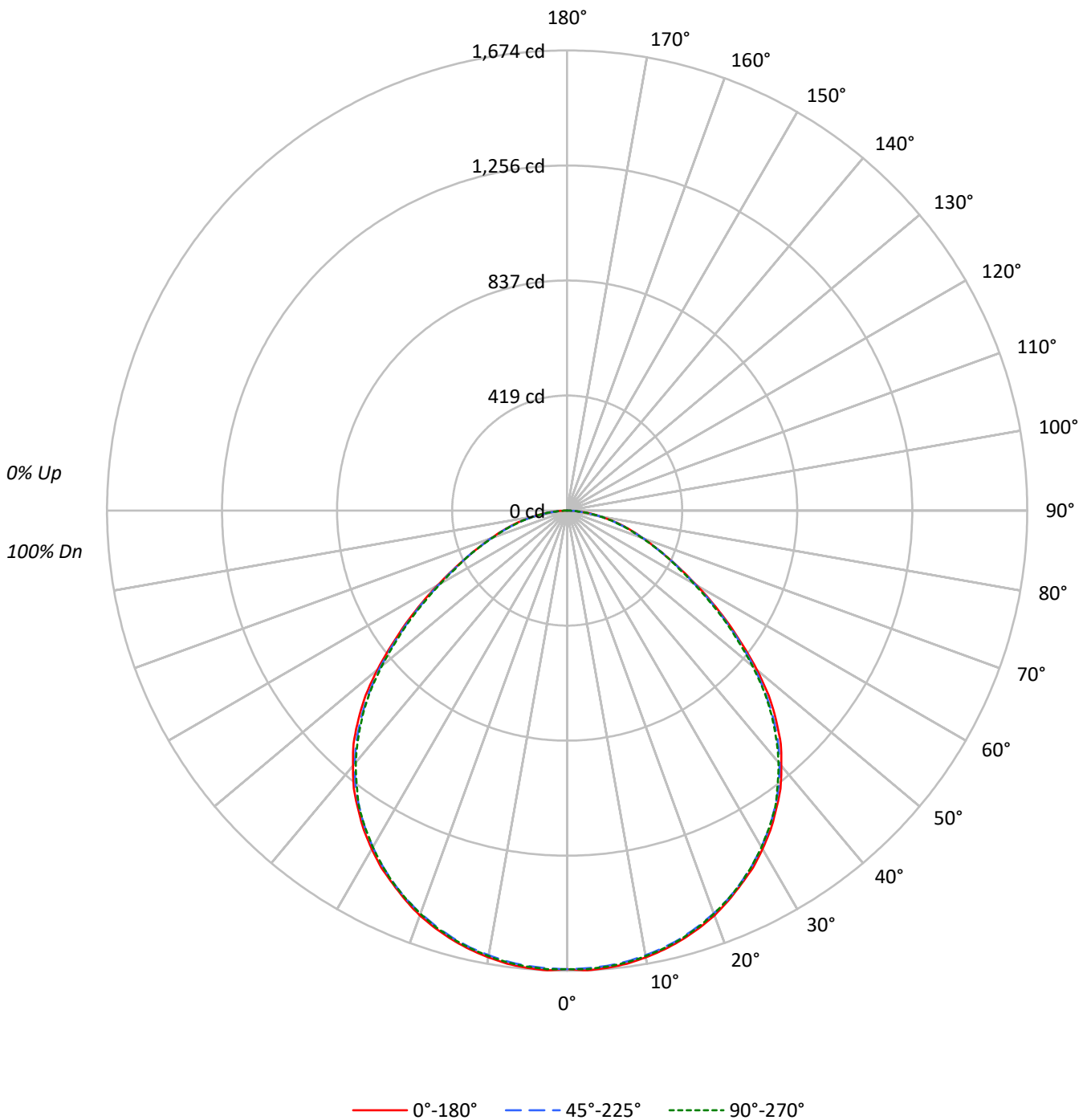
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4249.0 lumens
Efficiency: N/A
Efficacy: 129.9 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	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°	2392	2392	2392
5°	2403	2393	2397
10°	2403	2391	2397
15°	2399	2389	2393
20°	2392	2379	2382
25°	2372	2365	2366
30°	2354	2340	2340
35°	2321	2307	2310
40°	2268	2249	2240
45°	2178	2143	2132
50°	2011	1981	1963
55°	1790	1764	1752
60°	1560	1543	1527
65°	1367	1369	1361
70°	1230	1226	1209
75°	1146	1112	1115
80°	1023	1004	1004
85°	790	813	781



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.2	3.7
10°-20°	454.5	10.7
20°-30°	689.0	16.2
30°-40°	824.1	19.4
40°-50°	813.6	19.1
50°-60°	633.3	14.9
60°-70°	402.0	9.5
70°-80°	215.7	5.1
80°-90°	58.5	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°	1301.7	30.6
0°-40°	2125.8	50.0
0°-60°	3572.7	84.1
0°-90°	4249.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4249.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1668	1668	1668	1668	1668	
5°	1670	1665	1663	1662	1666	159
15°	1616	1611	1609	1607	1612	456
25°	1499	1496	1495	1492	1496	692
35°	1326	1323	1318	1314	1320	829
45°	1074	1067	1057	1052	1051	825
55°	716	712	706	701	701	641
65°	403	404	403	398	401	404
75°	207	204	201	200	201	219
85°	48	49	49	49	48	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1668.4	1668.4	1668.4	1668.4	1668.4
2.5°	1674.0	1668.4	1666.5	1665.6	1669.8
5°	1669.8	1664.7	1662.8	1661.9	1665.6
7.5°	1662.8	1656.8	1654.9	1654.0	1658.2
10°	1650.2	1644.7	1642.3	1642.3	1646.0
12.5°	1635.3	1630.7	1628.3	1626.5	1630.7
15°	1616.2	1610.6	1609.3	1607.4	1612.0
17.5°	1593.4	1587.8	1586.0	1585.0	1588.3
20°	1567.3	1560.3	1559.4	1558.9	1560.8
22.5°	1535.2	1531.5	1529.6	1528.7	1530.1
25°	1499.3	1496.5	1494.7	1491.9	1495.6
27.5°	1464.4	1460.7	1456.0	1453.7	1456.0
30°	1421.5	1416.9	1413.6	1412.7	1413.6
32.5°	1377.3	1372.6	1368.4	1368.0	1367.5
35°	1326.1	1323.3	1318.1	1314.0	1319.5
37.5°	1275.3	1268.8	1264.1	1259.0	1257.6
40°	1211.9	1209.6	1201.7	1197.0	1196.6
42.5°	1150.5	1139.8	1134.2	1130.9	1125.8
45°	1074.1	1066.6	1056.8	1051.7	1051.3
47.5°	994.4	985.1	975.8	968.8	970.7
50°	901.3	897.1	888.2	882.2	879.8
52.5°	805.3	804.4	795.1	791.4	787.2
55°	715.9	712.2	705.6	701.0	701.0
57.5°	627.9	624.6	621.3	612.5	612.5
60°	544.0	543.6	538.0	532.8	532.4
62.5°	469.0	471.8	466.7	461.6	458.8
65°	402.9	404.3	403.4	398.2	401.0
67.5°	344.7	345.1	343.3	340.5	342.3
70°	293.4	295.8	292.5	290.6	288.3
72.5°	248.7	247.8	245.0	246.4	243.1
75°	206.8	203.5	200.7	200.3	201.2
77.5°	164.9	164.0	161.6	161.6	160.2
80°	123.9	123.0	121.6	122.0	121.6
82.5°	88.0	85.7	83.8	84.8	85.2
85°	48.0	48.9	49.4	49.4	47.5
87.5°	19.6	19.1	19.6	20.5	21.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)