

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: P738497

Luminaire Tested: **24PT-40-PC3-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738497
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-L840
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

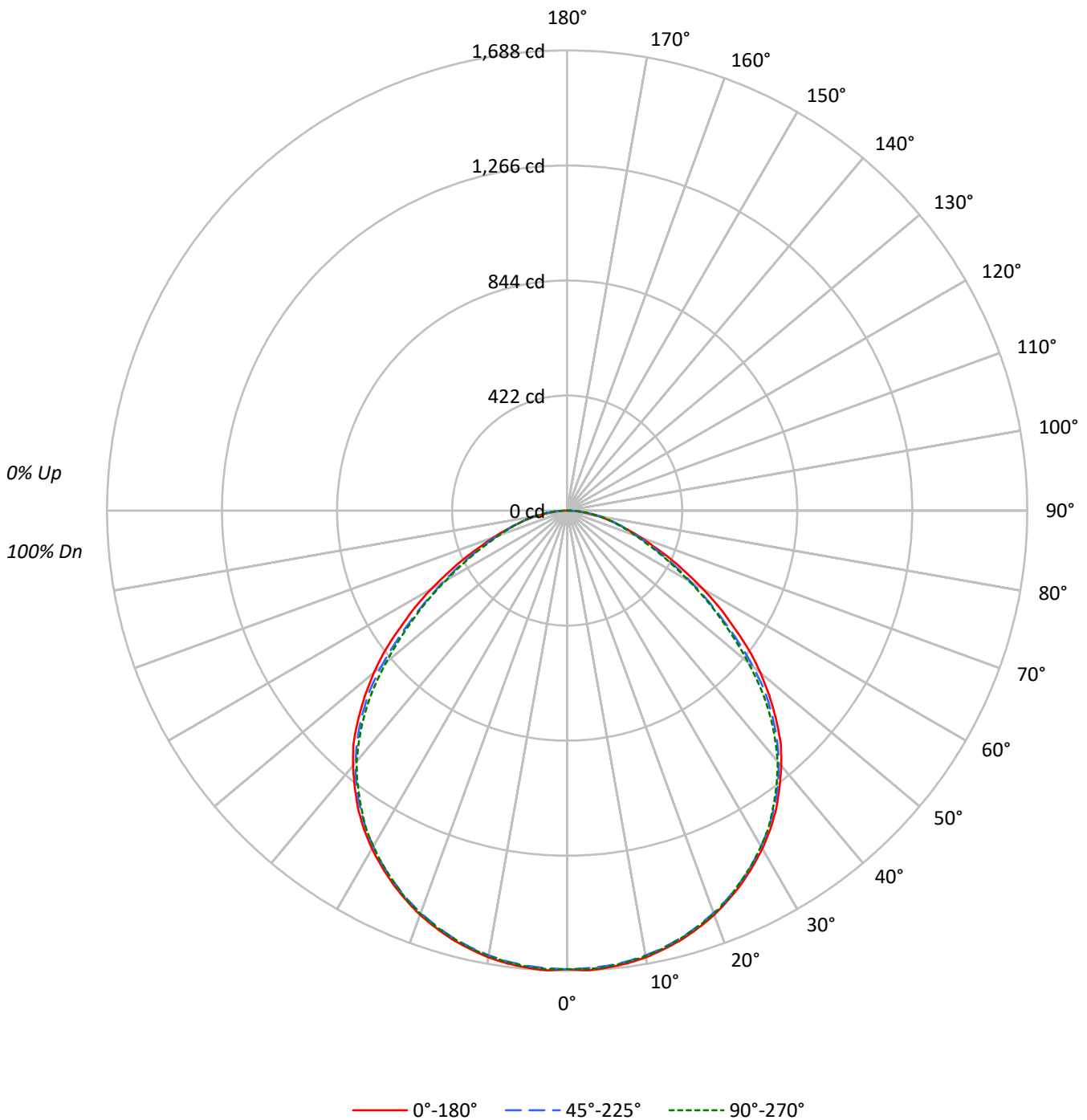
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4244.0 lumens
Efficiency: N/A
Efficacy: 129.8 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	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°	2412	2412	2412
5°	2423	2413	2418
10°	2423	2412	2416
15°	2418	2407	2409
20°	2408	2397	2402
25°	2391	2380	2379
30°	2371	2355	2355
35°	2339	2321	2310
40°	2287	2260	2249
45°	2198	2157	2127
50°	2064	1985	1932
55°	1866	1740	1707
60°	1650	1505	1476
65°	1411	1305	1271
70°	1196	1145	1111
75°	1048	1066	1030
80°	940	1036	978
85°	793	948	902



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.5	3.8
10°-20°	457.9	10.8
20°-30°	693.6	16.3
30°-40°	828.5	19.5
40°-50°	817.3	19.3
50°-60°	632.7	14.9
60°-70°	388.9	9.2
70°-80°	203.8	4.8
80°-90°	61.8	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°	1311.1	30.9
0°-40°	2139.6	50.4
0°-60°	3589.6	84.6
0°-90°	4244.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4244.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1682	1682	1682	1682	1682	
5°	1683	1678	1676	1676	1680	160
15°	1629	1624	1621	1620	1623	459
25°	1512	1507	1504	1503	1504	696
35°	1336	1330	1326	1322	1320	834
45°	1084	1076	1064	1053	1049	834
55°	746	726	696	686	683	670
65°	416	397	384	373	375	415
75°	189	191	192	189	186	204
85°	48	54	58	56	55	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1682.5	1682.5	1682.5	1682.5	1682.5
2.5°	1688.1	1683.0	1680.6	1680.2	1683.9
5°	1683.4	1678.3	1676.4	1675.5	1679.7
7.5°	1675.9	1670.3	1668.4	1667.0	1670.8
10°	1664.2	1658.6	1656.7	1655.8	1659.1
12.5°	1647.4	1642.2	1640.8	1639.4	1643.6
15°	1628.6	1623.5	1621.2	1619.7	1623.0
17.5°	1604.3	1600.1	1597.3	1597.3	1600.1
20°	1578.1	1572.9	1570.6	1569.2	1573.9
22.5°	1545.8	1542.5	1539.7	1537.3	1542.5
25°	1511.6	1506.9	1504.1	1503.1	1503.6
27.5°	1472.7	1469.4	1465.7	1464.3	1465.2
30°	1432.0	1427.8	1422.6	1419.8	1422.1
32.5°	1386.5	1380.5	1376.2	1373.4	1376.7
35°	1336.4	1330.4	1325.7	1321.5	1319.6
37.5°	1279.3	1277.4	1270.9	1263.4	1262.9
40°	1221.7	1216.6	1207.2	1203.9	1201.6
42.5°	1159.9	1149.1	1139.3	1129.9	1126.7
45°	1084.0	1076.1	1063.9	1052.7	1048.9
47.5°	1006.3	996.0	984.3	964.6	962.3
50°	925.3	910.3	889.7	873.3	866.3
52.5°	841.0	820.9	792.3	778.3	774.5
55°	746.4	726.3	695.9	685.5	682.7
57.5°	662.1	632.6	607.8	596.1	599.9
60°	575.5	546.9	524.9	513.7	514.6
62.5°	490.7	468.3	451.9	441.1	442.5
65°	415.8	396.6	384.5	373.2	374.6
67.5°	342.3	333.4	324.5	318.0	314.2
70°	285.2	281.4	273.0	266.9	265.0
72.5°	233.2	235.5	228.5	226.6	226.2
75°	189.2	191.1	192.5	188.7	185.9
77.5°	151.3	154.1	159.7	154.5	153.6
80°	113.8	119.4	125.5	122.2	118.5
82.5°	79.6	86.6	92.2	88.0	86.2
85°	48.2	53.9	57.6	56.2	54.8
87.5°	21.5	23.4	25.3	25.8	24.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)