

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: P738503

Luminaire Tested: **24PT-40-PL1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738503
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-L830
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

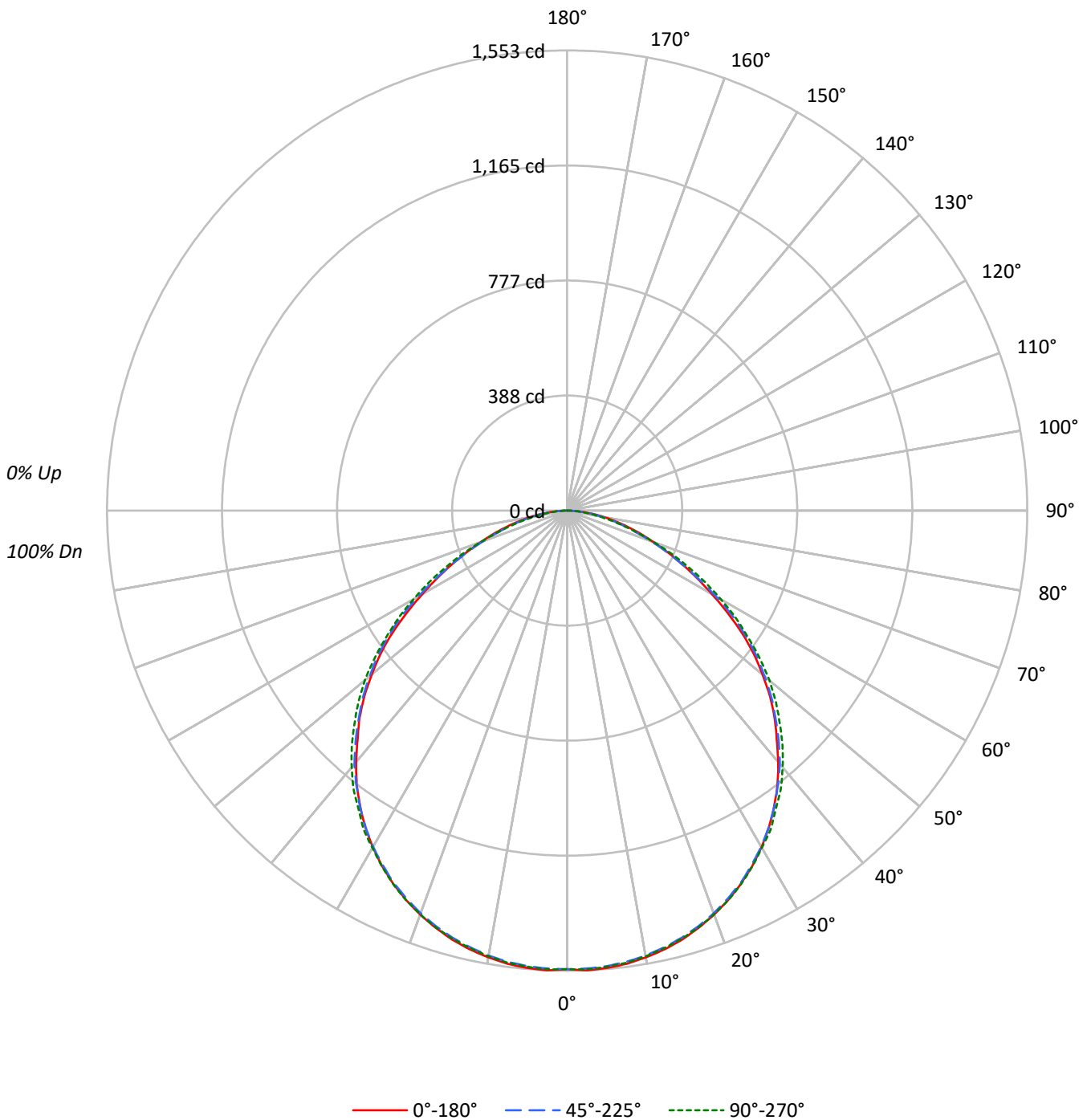
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4097.0 lumens
Efficiency: N/A
Efficacy: 125.3 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°	2219	2219	2219
5°	2230	2221	2224
10°	2229	2220	2224
15°	2225	2216	2220
20°	2214	2207	2213
25°	2198	2193	2200
30°	2172	2169	2176
35°	2132	2133	2149
40°	2074	2089	2118
45°	2009	2018	2058
50°	1919	1941	1988
55°	1802	1835	1863
60°	1618	1657	1719
65°	1448	1451	1529
70°	1291	1255	1300
75°	1166	1097	1077
80°	1036	966	852
85°	849	804	666



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.8	3.6
10°-20°	421.6	10.3
20°-30°	638.7	15.6
30°-40°	763.3	18.6
40°-50°	770.0	18.8
50°-60°	653.2	15.9
60°-70°	432.2	10.5
70°-80°	214.5	5.2
80°-90°	56.7	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°	1207.1	29.5
0°-40°	1970.4	48.1
0°-60°	3393.6	82.8
0°-90°	4097.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4097.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1548	1548	1548	1548	1548	
5°	1550	1544	1543	1542	1545	147
15°	1499	1494	1493	1493	1496	423
25°	1389	1386	1386	1385	1390	640
35°	1218	1216	1219	1225	1228	761
45°	991	990	995	1009	1015	762
55°	721	722	734	741	745	641
65°	427	426	428	441	451	426
75°	210	205	198	192	194	225
85°	52	52	49	45	40	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1547.8	1547.8	1547.8	1547.8	1547.8
2.5°	1553.2	1548.3	1546.9	1546.0	1549.6
5°	1549.6	1544.3	1542.9	1542.0	1545.2
7.5°	1542.5	1536.7	1535.8	1534.9	1538.9
10°	1530.9	1525.6	1524.7	1523.8	1527.4
12.5°	1517.1	1511.8	1510.0	1510.5	1512.7
15°	1498.9	1494.0	1492.7	1492.7	1495.8
17.5°	1476.2	1471.8	1470.9	1470.4	1474.4
20°	1450.8	1446.4	1446.4	1447.7	1450.0
22.5°	1421.9	1418.8	1417.0	1417.9	1422.4
25°	1389.0	1385.9	1385.9	1385.4	1390.3
27.5°	1352.5	1348.5	1348.5	1352.1	1353.9
30°	1311.6	1308.0	1309.8	1312.5	1314.3
32.5°	1267.5	1265.3	1266.6	1270.7	1277.8
35°	1218.2	1216.4	1218.6	1225.3	1227.9
37.5°	1166.5	1165.2	1168.3	1177.2	1184.8
40°	1107.8	1107.8	1116.3	1124.3	1131.4
42.5°	1046.9	1050.9	1057.1	1069.6	1075.8
45°	990.8	989.5	995.3	1008.6	1014.8
47.5°	928.5	927.2	935.6	945.0	955.2
50°	860.4	860.0	870.2	878.2	891.1
52.5°	794.2	798.2	804.8	812.0	819.5
55°	720.7	722.5	734.1	740.8	745.2
57.5°	641.6	647.3	661.6	671.4	675.4
60°	564.1	567.7	577.9	595.3	599.3
62.5°	493.8	495.2	501.4	521.0	526.3
65°	426.7	425.8	427.6	440.9	450.7
67.5°	365.7	362.2	362.2	369.3	381.3
70°	307.9	302.5	299.4	301.6	310.1
72.5°	259.4	252.3	244.3	242.9	248.3
75°	210.4	204.7	198.0	191.8	194.4
77.5°	167.7	162.8	156.6	149.5	145.9
80°	125.5	123.7	117.0	110.3	103.2
82.5°	87.6	86.3	81.9	76.5	72.1
85°	51.6	51.6	48.9	44.9	40.5
87.5°	23.1	22.2	23.1	19.6	18.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)