

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: P738523

Luminaire Tested: **24PT-40-PW1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738523
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-40-PW1-L930
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

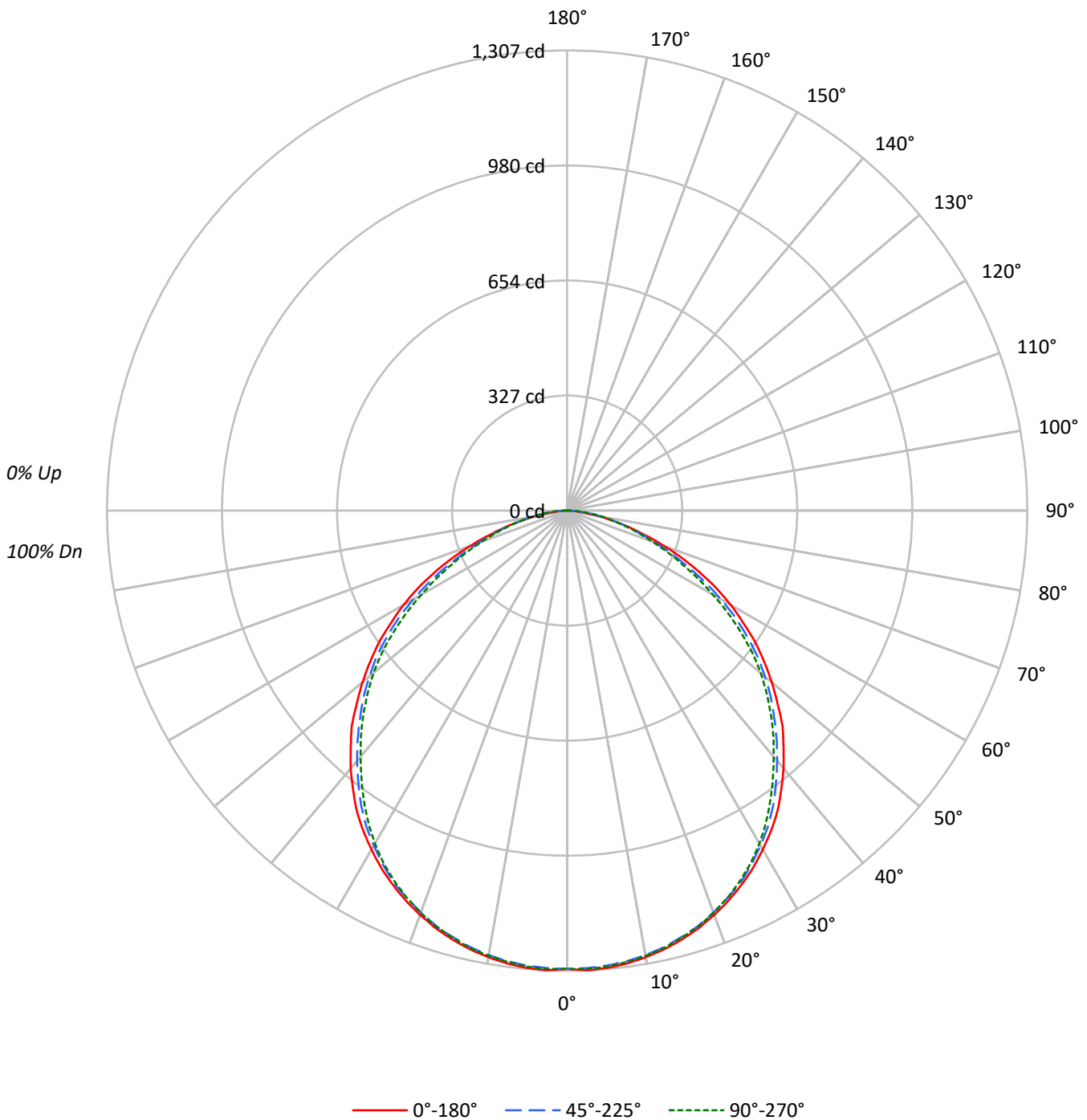
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3471.0 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1867	1867	1867
5°	1877	1868	1872
10°	1876	1867	1870
15°	1872	1862	1864
20°	1865	1854	1855
25°	1855	1844	1837
30°	1840	1819	1808
35°	1823	1786	1761
40°	1790	1737	1708
45°	1754	1687	1659
50°	1692	1635	1601
55°	1630	1561	1504
60°	1541	1446	1372
65°	1411	1288	1222
70°	1223	1117	1076
75°	1001	963	951
80°	730	823	848
85°	489	688	730



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.5	3.6
10°-20°	354.4	10.2
20°-30°	536.4	15.5
30°-40°	638.3	18.4
40°-50°	644.7	18.6
50°-60°	557.9	16.1
60°-70°	381.1	11.0
70°-80°	187.8	5.4
80°-90°	46.9	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°	1014.3	29.2
0°-40°	1652.6	47.6
0°-60°	2855.2	82.3
0°-90°	3471.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3471.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1302	1302	1302	1302	1302	
5°	1304	1299	1298	1296	1300	124
15°	1261	1257	1254	1254	1256	356
25°	1172	1168	1166	1161	1161	540
35°	1042	1033	1021	1009	1006	650
45°	865	850	832	822	818	664
55°	652	643	624	611	602	581
65°	416	400	380	367	360	411
75°	181	175	174	173	172	193
85°	30	37	42	43	44	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1301.8	1301.8	1301.8	1301.8	1301.8
2.5°	1307.0	1302.1	1300.6	1299.5	1302.9
5°	1304.0	1299.1	1297.6	1296.5	1300.3
7.5°	1297.6	1292.7	1291.2	1290.1	1293.1
10°	1288.2	1283.7	1282.2	1281.1	1284.4
12.5°	1276.2	1272.0	1270.1	1268.6	1272.4
15°	1261.1	1257.0	1254.3	1253.6	1255.8
17.5°	1243.1	1238.9	1237.0	1235.9	1238.5
20°	1222.0	1217.5	1214.8	1213.3	1215.6
22.5°	1198.6	1194.1	1190.7	1189.2	1190.0
25°	1172.3	1167.8	1165.5	1161.0	1161.0
27.5°	1144.1	1138.8	1133.2	1128.3	1128.6
30°	1111.3	1105.3	1098.5	1092.1	1091.8
32.5°	1078.2	1070.7	1062.4	1053.8	1051.1
35°	1041.7	1033.1	1020.6	1009.3	1006.3
37.5°	998.8	990.9	974.3	964.9	960.0
40°	956.3	945.0	928.1	917.1	912.6
42.5°	909.6	898.7	880.6	870.5	866.7
45°	865.2	850.5	831.7	822.3	818.2
47.5°	809.9	797.8	784.7	773.8	768.5
50°	758.7	748.9	733.1	721.1	717.7
52.5°	705.3	697.0	681.9	666.1	662.4
55°	652.2	643.2	624.3	611.2	601.8
57.5°	592.4	584.5	566.8	549.8	541.6
60°	537.4	523.9	504.3	485.9	478.3
62.5°	477.6	464.4	441.8	423.0	418.9
65°	415.9	400.0	379.7	367.3	360.2
67.5°	353.4	338.0	321.0	313.1	308.6
70°	291.7	279.2	266.4	260.8	256.7
72.5°	232.2	225.1	217.9	215.6	211.9
75°	180.6	175.4	173.9	172.7	171.6
77.5°	130.2	132.8	134.4	135.9	134.4
80°	88.4	94.1	99.7	102.7	102.7
82.5°	54.6	64.4	69.2	72.3	71.9
85°	29.7	36.9	41.8	43.3	44.4
87.5°	12.0	15.1	16.9	18.4	19.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)