

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: P738442

Luminaire Tested: **24PT-30-PL1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738442
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-30-PL1-L850
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

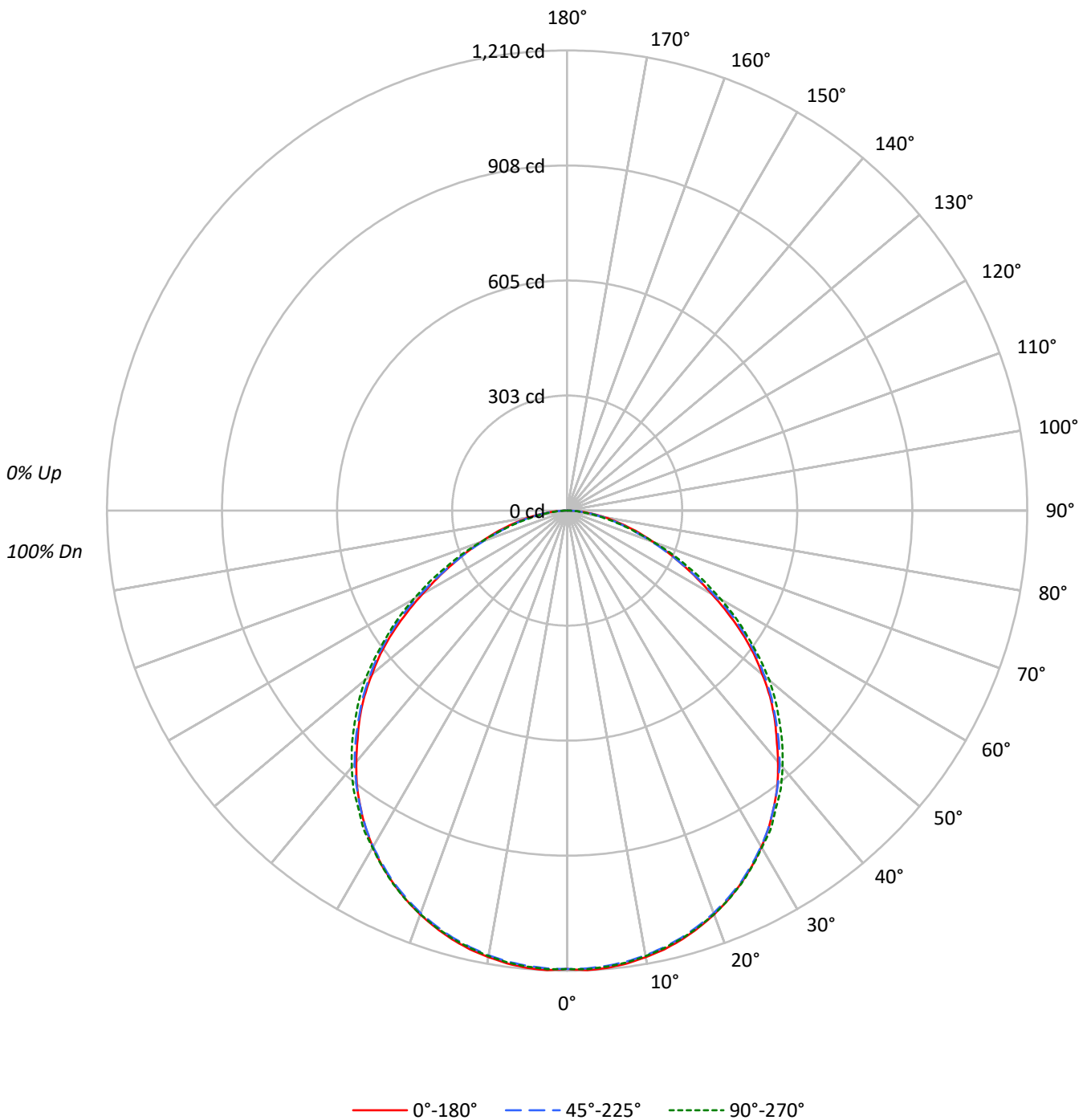
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3191.0 lumens
Efficiency: N/A
Efficacy: 134.1 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): 23.8
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°	1729	1729	1729
5°	1737	1730	1732
10°	1736	1729	1732
15°	1733	1726	1729
20°	1724	1719	1723
25°	1712	1708	1713
30°	1691	1689	1695
35°	1661	1661	1674
40°	1615	1627	1649
45°	1565	1572	1603
50°	1495	1512	1548
55°	1403	1429	1451
60°	1260	1291	1339
65°	1127	1130	1191
70°	1005	978	1012
75°	908	854	839
80°	807	752	664
85°	661	627	518



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.4	3.6
10°-20°	328.3	10.3
20°-30°	497.5	15.6
30°-40°	594.5	18.6
40°-50°	599.7	18.8
50°-60°	508.8	15.9
60°-70°	336.6	10.5
70°-80°	167.0	5.2
80°-90°	44.2	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°	940.2	29.5
0°-40°	1534.6	48.1
0°-60°	2643.1	82.8
0°-90°	3191.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3191.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1206	1206	1206	1206	1206	
5°	1207	1203	1202	1201	1204	115
15°	1167	1164	1163	1163	1165	329
25°	1082	1079	1079	1079	1083	498
35°	949	947	949	954	956	593
45°	772	771	775	786	790	594
55°	561	563	572	577	580	499
65°	332	332	333	343	351	332
75°	164	159	154	149	151	175
85°	40	40	38	35	32	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1205.5	1205.5	1205.5	1205.5	1205.5
2.5°	1209.7	1205.9	1204.9	1204.2	1206.9
5°	1206.9	1202.8	1201.7	1201.0	1203.5
7.5°	1201.4	1196.9	1196.2	1195.5	1198.6
10°	1192.4	1188.2	1187.5	1186.8	1189.6
12.5°	1181.6	1177.5	1176.1	1176.4	1178.2
15°	1167.4	1163.6	1162.6	1162.6	1165.0
17.5°	1149.8	1146.3	1145.6	1145.3	1148.4
20°	1130.0	1126.5	1126.5	1127.6	1129.3
22.5°	1107.5	1105.1	1103.7	1104.4	1107.8
25°	1081.8	1079.4	1079.4	1079.1	1082.9
27.5°	1053.4	1050.3	1050.3	1053.1	1054.5
30°	1021.5	1018.8	1020.2	1022.2	1023.6
32.5°	987.2	985.5	986.5	989.7	995.2
35°	948.8	947.4	949.1	954.3	956.4
37.5°	908.6	907.5	910.0	916.9	922.8
40°	862.8	862.8	869.4	875.7	881.2
42.5°	815.4	818.5	823.3	833.0	837.9
45°	771.7	770.7	775.2	785.6	790.4
47.5°	723.2	722.1	728.7	736.0	744.0
50°	670.2	669.8	677.8	684.0	694.1
52.5°	618.5	621.7	626.9	632.4	638.3
55°	561.4	562.8	571.8	577.0	580.4
57.5°	499.7	504.2	515.3	522.9	526.0
60°	439.4	442.2	450.1	463.6	466.8
62.5°	384.6	385.7	390.5	405.8	409.9
65°	332.3	331.6	333.0	343.4	351.0
67.5°	284.8	282.1	282.1	287.6	297.0
70°	239.8	235.6	233.2	234.9	241.5
72.5°	202.0	196.5	190.2	189.2	193.4
75°	163.9	159.4	154.2	149.4	151.4
77.5°	130.6	126.8	122.0	116.4	113.7
80°	97.7	96.3	91.1	85.9	80.4
82.5°	68.3	67.2	63.8	59.6	56.1
85°	40.2	40.2	38.1	35.0	31.5
87.5°	18.0	17.3	18.0	15.2	14.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)