

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: P738431

Luminaire Tested: **24PT-30-PC3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738431
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-30-PC3-L830
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

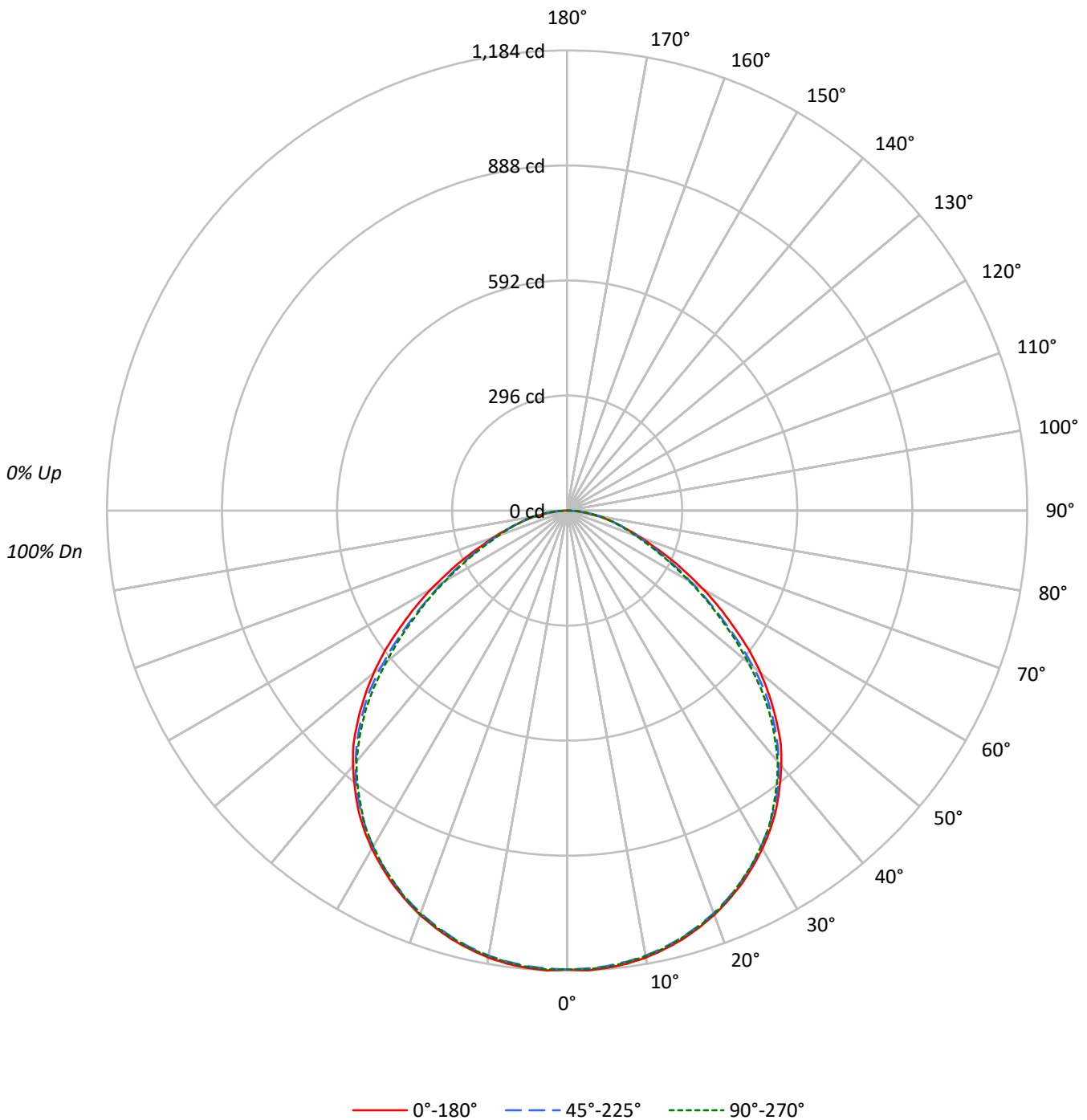
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2978.0 lumens
Efficiency: N/A
Efficacy: 125.1 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): 23.8
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	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	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	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	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1693	1693	1693
5°	1700	1693	1696
10°	1700	1693	1695
15°	1696	1689	1691
20°	1690	1682	1685
25°	1678	1670	1669
30°	1664	1653	1652
35°	1642	1628	1621
40°	1605	1586	1578
45°	1543	1514	1492
50°	1448	1393	1356
55°	1309	1221	1198
60°	1158	1056	1036
65°	990	915	892
70°	839	803	780
75°	735	748	722
80°	659	727	686
85°	556	665	632



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.9	3.8
10°-20°	321.3	10.8
20°-30°	486.7	16.3
30°-40°	581.4	19.5
40°-50°	573.5	19.3
50°-60°	444.0	14.9
60°-70°	272.9	9.2
70°-80°	143.0	4.8
80°-90°	43.3	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°	920.0	30.9
0°-40°	1501.3	50.4
0°-60°	2518.8	84.6
0°-90°	2978.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2978.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1181	1181	1181	1181	1181	
5°	1181	1178	1176	1176	1179	112
15°	1143	1139	1138	1137	1139	322
25°	1061	1057	1055	1055	1055	489
35°	938	934	930	927	926	585
45°	761	755	746	739	736	585
55°	524	510	488	481	479	470
65°	292	278	270	262	263	291
75°	133	134	135	132	130	143
85°	34	38	40	39	38	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1180.6	1180.6	1180.6	1180.6	1180.6
2.5°	1184.5	1180.9	1179.3	1179.0	1181.6
5°	1181.3	1177.6	1176.3	1175.7	1178.6
7.5°	1176.0	1172.1	1170.7	1169.8	1172.4
10°	1167.8	1163.8	1162.5	1161.9	1164.2
12.5°	1156.0	1152.3	1151.4	1150.4	1153.3
15°	1142.8	1139.2	1137.6	1136.6	1138.9
17.5°	1125.7	1122.8	1120.8	1120.8	1122.8
20°	1107.3	1103.7	1102.1	1101.1	1104.4
22.5°	1084.7	1082.4	1080.4	1078.7	1082.4
25°	1060.7	1057.4	1055.4	1054.8	1055.1
27.5°	1033.4	1031.1	1028.5	1027.5	1028.1
30°	1004.8	1001.9	998.2	996.3	997.9
32.5°	972.9	968.7	965.7	963.7	966.0
35°	937.8	933.5	930.2	927.3	925.9
37.5°	897.7	896.4	891.8	886.5	886.2
40°	857.3	853.7	847.1	844.8	843.1
42.5°	813.9	806.3	799.4	792.9	790.6
45°	760.7	755.1	746.5	738.7	736.0
47.5°	706.1	698.9	690.7	676.9	675.2
50°	649.3	638.8	624.3	612.8	607.9
52.5°	590.1	576.0	556.0	546.1	543.5
55°	523.8	509.6	488.3	481.0	479.1
57.5°	464.6	443.9	426.5	418.3	420.9
60°	403.8	383.8	368.3	360.5	361.1
62.5°	344.4	328.6	317.1	309.5	310.5
65°	291.8	278.3	269.8	261.9	262.9
67.5°	240.2	234.0	227.7	223.1	220.5
70°	200.1	197.5	191.6	187.3	186.0
72.5°	163.6	165.3	160.3	159.0	158.7
75°	132.7	134.1	135.0	132.4	130.4
77.5°	106.1	108.1	112.0	108.4	107.8
80°	79.8	83.8	88.1	85.8	83.1
82.5°	55.9	60.8	64.7	61.8	60.5
85°	33.8	37.8	40.4	39.4	38.4
87.5°	15.1	16.4	17.7	18.1	17.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)