

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: P738447

Luminaire Tested: **24PT-30-PR1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738447
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-30-PR1-L830
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

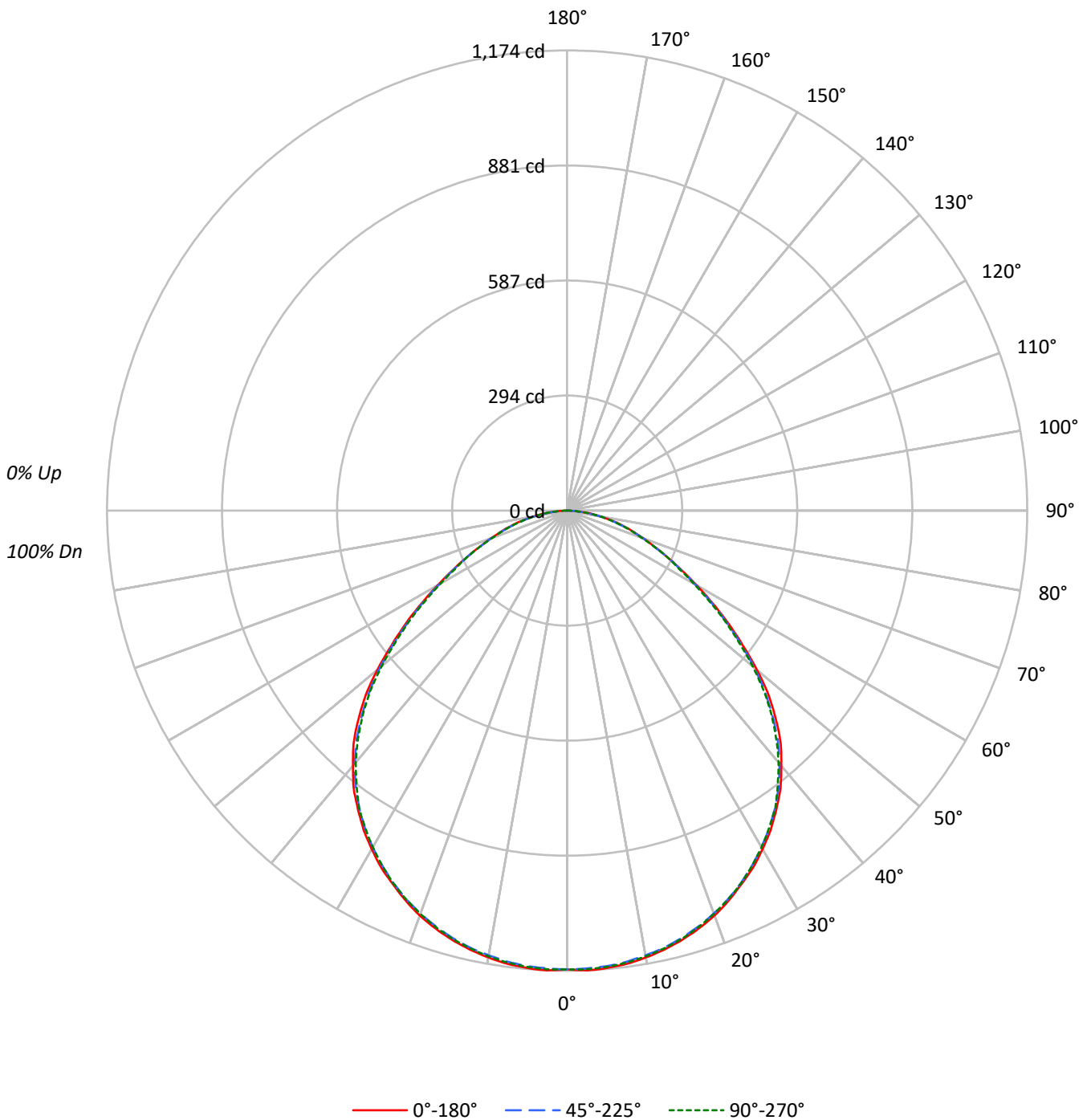
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2981.0 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): 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	87	85
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66		75	70	65		72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57		67	61	56		65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50		60	54	49		59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44		55	48	43		53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39		50	44	39		49	43	38	36
8	62	49	41	35	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		42	36	31		41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29		39	33	29		38	33	28	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1678	1678	1678
5°	1686	1679	1682
10°	1686	1678	1681
15°	1683	1676	1679
20°	1678	1669	1671
25°	1664	1659	1660
30°	1651	1642	1642
35°	1628	1619	1621
40°	1592	1578	1571
45°	1528	1504	1495
50°	1410	1390	1377
55°	1256	1238	1229
60°	1095	1082	1071
65°	959	960	955
70°	863	860	848
75°	804	780	782
80°	718	704	704
85°	554	569	548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.0	3.7
10°-20°	318.8	10.7
20°-30°	483.4	16.2
30°-40°	578.1	19.4
40°-50°	570.8	19.1
50°-60°	444.3	14.9
60°-70°	282.1	9.5
70°-80°	151.4	5.1
80°-90°	41.0	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°	913.2	30.6
0°-40°	1491.4	50.0
0°-60°	2506.5	84.1
0°-90°	2981.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2981.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1170	1170	1170	1170	1170	
5°	1172	1168	1167	1166	1169	111
15°	1134	1130	1129	1128	1131	320
25°	1052	1050	1049	1047	1049	485
35°	930	928	925	922	926	582
45°	754	748	742	738	738	578
55°	502	500	495	492	492	450
65°	283	284	283	279	281	284
75°	145	143	141	140	141	153
85°	34	34	35	35	33	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1170.5	1170.5	1170.5	1170.5	1170.5
2.5°	1174.4	1170.5	1169.2	1168.6	1171.5
5°	1171.5	1167.9	1166.6	1165.9	1168.6
7.5°	1166.6	1162.3	1161.0	1160.4	1163.3
10°	1157.8	1153.8	1152.2	1152.2	1154.8
12.5°	1147.3	1144.0	1142.4	1141.1	1144.0
15°	1133.9	1130.0	1129.0	1127.7	1131.0
17.5°	1117.9	1114.0	1112.7	1112.0	1114.3
20°	1099.6	1094.7	1094.0	1093.7	1095.0
22.5°	1077.1	1074.4	1073.1	1072.5	1073.5
25°	1051.9	1049.9	1048.6	1046.7	1049.3
27.5°	1027.4	1024.8	1021.5	1019.9	1021.5
30°	997.3	994.1	991.8	991.1	991.8
32.5°	966.3	963.0	960.1	959.7	959.4
35°	930.3	928.4	924.8	921.8	925.8
37.5°	894.7	890.1	886.9	883.3	882.3
40°	850.3	848.6	843.1	839.8	839.5
42.5°	807.1	799.6	795.7	793.4	789.8
45°	753.5	748.3	741.5	737.9	737.5
47.5°	697.7	691.1	684.6	679.7	681.0
50°	632.3	629.4	623.2	618.9	617.3
52.5°	565.0	564.3	557.8	555.2	552.3
55°	502.3	499.6	495.1	491.8	491.8
57.5°	440.5	438.2	435.9	429.7	429.7
60°	381.7	381.3	377.4	373.8	373.5
62.5°	329.1	331.0	327.4	323.8	321.9
65°	282.7	283.6	283.0	279.4	281.4
67.5°	241.8	242.1	240.8	238.9	240.2
70°	205.9	207.5	205.2	203.9	202.3
72.5°	174.5	173.8	171.9	172.9	170.6
75°	145.1	142.8	140.8	140.5	141.2
77.5°	115.7	115.0	113.4	113.4	112.4
80°	86.9	86.3	85.3	85.6	85.3
82.5°	61.8	60.1	58.8	59.5	59.8
85°	33.7	34.3	34.6	34.6	33.3
87.5°	13.7	13.4	13.7	14.4	14.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)