

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: P738448

Luminaire Tested: **24PT-30-PR1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738448
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-L835
Description: 3000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

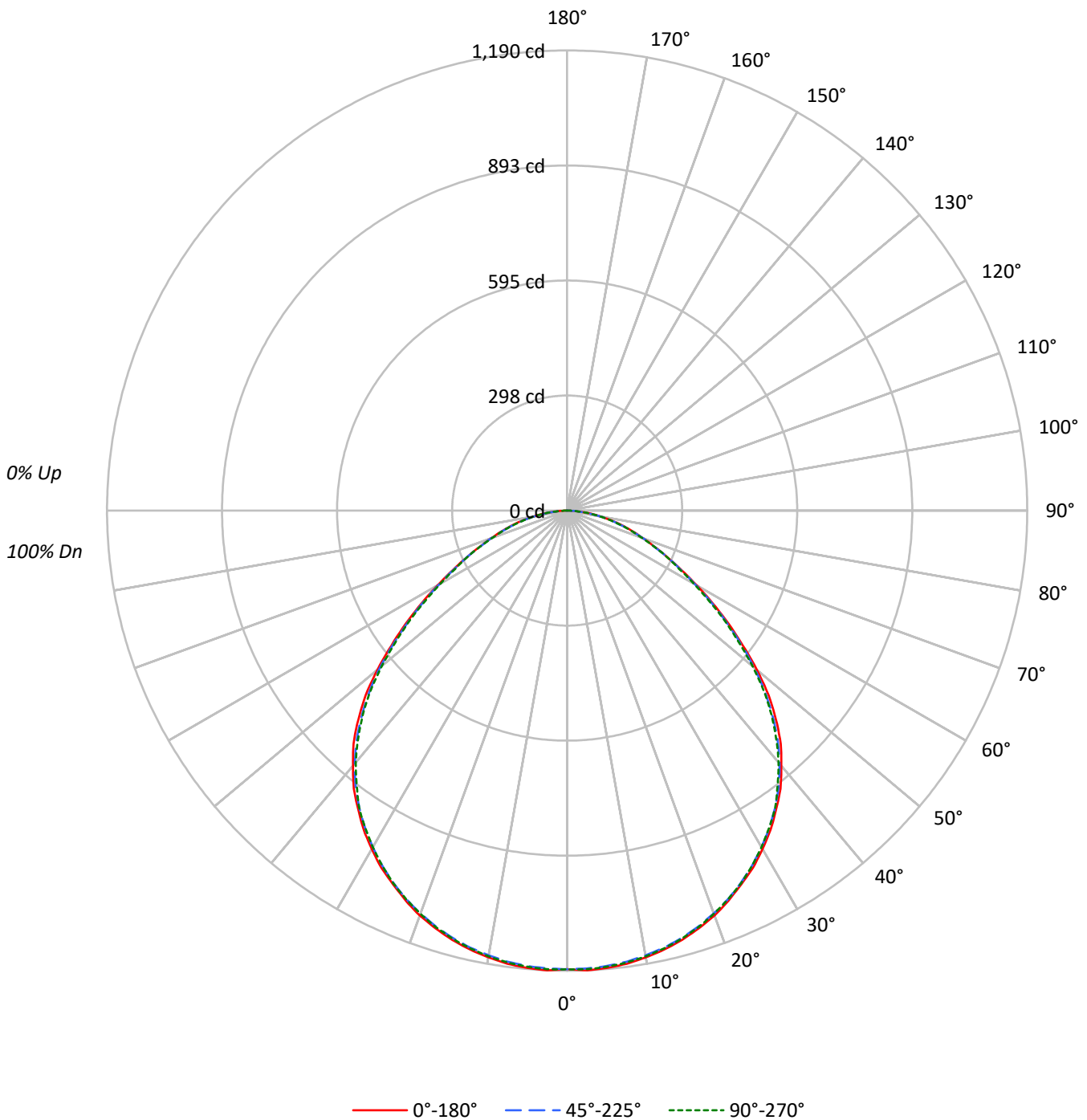
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3021.0 lumens
Efficiency: N/A
Efficacy: 126.9 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	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°	1701	1701	1701
5°	1709	1702	1704
10°	1708	1700	1704
15°	1706	1698	1701
20°	1700	1692	1693
25°	1687	1681	1682
30°	1673	1664	1664
35°	1650	1640	1642
40°	1613	1599	1593
45°	1549	1524	1516
50°	1429	1409	1396
55°	1272	1254	1246
60°	1109	1097	1085
65°	972	973	967
70°	875	872	859
75°	814	791	793
80°	727	713	713
85°	561	577	556



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.5	3.7
10°-20°	323.1	10.7
20°-30°	489.9	16.2
30°-40°	585.9	19.4
40°-50°	578.5	19.1
50°-60°	450.3	14.9
60°-70°	285.8	9.5
70°-80°	153.4	5.1
80°-90°	41.6	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°	925.5	30.6
0°-40°	1511.4	50.0
0°-60°	2540.2	84.1
0°-90°	3021.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3021.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1186	1186	1186	1186	1186	
5°	1187	1184	1182	1182	1184	113
15°	1149	1145	1144	1143	1146	324
25°	1066	1064	1063	1061	1063	492
35°	943	941	937	934	938	589
45°	764	758	751	748	747	586
55°	509	506	502	498	498	456
65°	286	287	287	283	285	287
75°	147	145	143	142	143	155
85°	34	35	35	35	34	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1186.2	1186.2	1186.2	1186.2	1186.2
2.5°	1190.2	1186.2	1184.9	1184.2	1187.2
5°	1187.2	1183.6	1182.2	1181.6	1184.2
7.5°	1182.2	1177.9	1176.6	1176.0	1178.9
10°	1173.3	1169.3	1167.7	1167.7	1170.3
12.5°	1162.7	1159.4	1157.7	1156.4	1159.4
15°	1149.1	1145.2	1144.2	1142.8	1146.2
17.5°	1132.9	1128.9	1127.6	1126.9	1129.3
20°	1114.4	1109.4	1108.7	1108.4	1109.7
22.5°	1091.5	1088.9	1087.5	1086.9	1087.9
25°	1066.0	1064.0	1062.7	1060.7	1063.4
27.5°	1041.2	1038.5	1035.2	1033.6	1035.2
30°	1010.7	1007.4	1005.1	1004.4	1005.1
32.5°	979.2	975.9	973.0	972.6	972.3
35°	942.8	940.8	937.2	934.2	938.2
37.5°	906.7	902.1	898.8	895.1	894.1
40°	861.7	860.0	854.4	851.1	850.8
42.5°	818.0	810.4	806.4	804.1	800.4
45°	763.7	758.4	751.4	747.8	747.4
47.5°	707.0	700.4	693.8	688.8	690.1
50°	640.8	637.8	631.5	627.2	625.6
52.5°	572.6	571.9	565.3	562.6	559.7
55°	509.0	506.3	501.7	498.4	498.4
57.5°	446.4	444.1	441.8	435.5	435.5
60°	386.8	386.5	382.5	378.8	378.5
62.5°	333.5	335.5	331.8	328.2	326.2
65°	286.5	287.4	286.8	283.1	285.1
67.5°	245.1	245.4	244.1	242.1	243.4
70°	208.6	210.3	208.0	206.6	205.0
72.5°	176.8	176.2	174.2	175.2	172.9
75°	147.0	144.7	142.7	142.4	143.1
77.5°	117.2	116.6	114.9	114.9	113.9
80°	88.1	87.4	86.4	86.8	86.4
82.5°	62.6	60.9	59.6	60.3	60.6
85°	34.1	34.8	35.1	35.1	33.8
87.5°	13.9	13.6	13.9	14.6	14.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)