

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: P738485

Luminaire Tested: **24PT-35-PR1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738485
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-35-PR1-L940
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source: -
Ballast/Driver: -

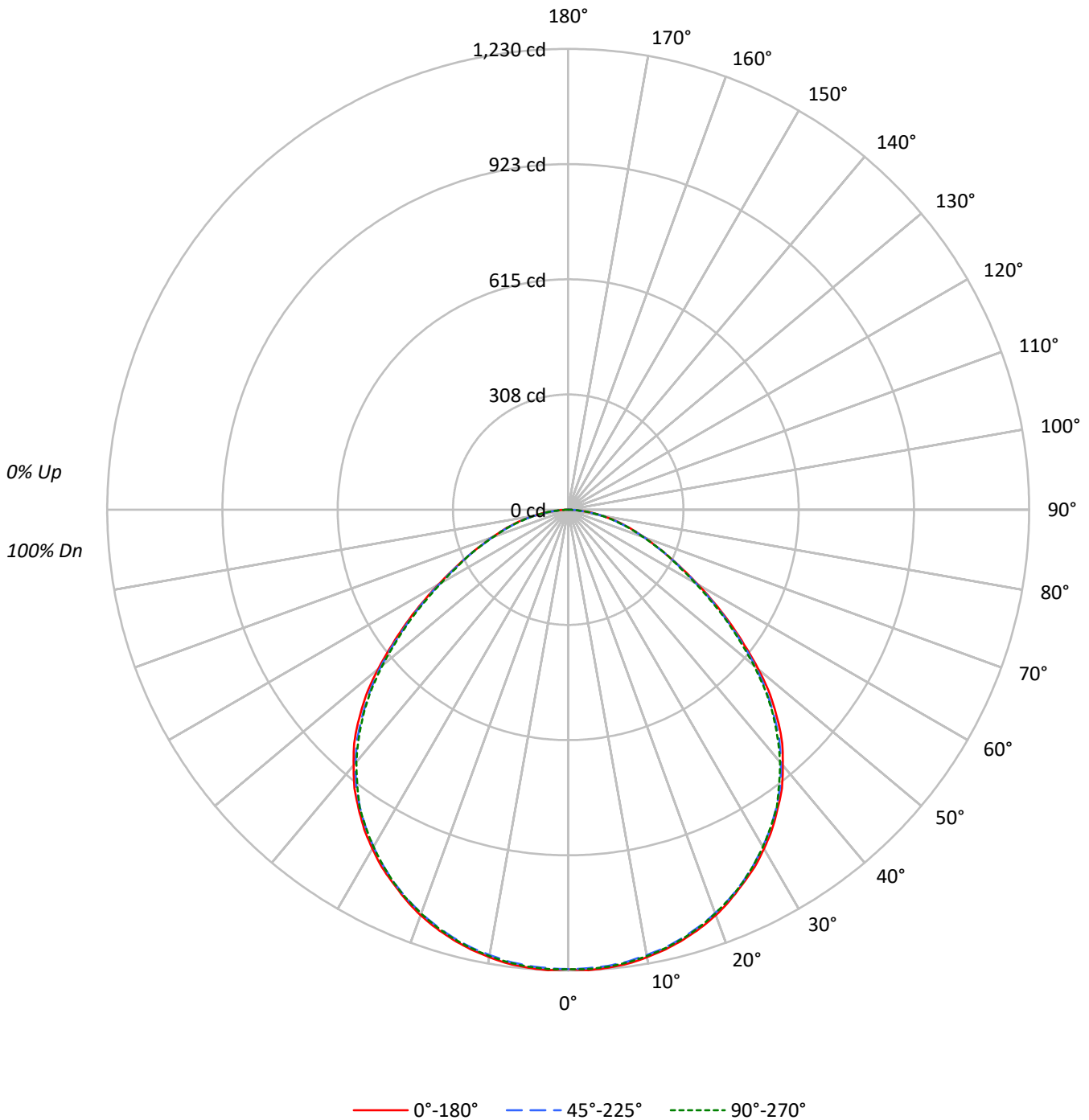
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3123.0 lumens
Efficiency: N/A
Efficacy: 110.7 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): 28.2
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°	1758	1758	1758
5°	1766	1759	1762
10°	1766	1758	1761
15°	1763	1756	1759
20°	1758	1749	1750
25°	1743	1738	1739
30°	1730	1720	1720
35°	1706	1696	1698
40°	1667	1653	1646
45°	1601	1575	1567
50°	1478	1456	1443
55°	1315	1296	1288
60°	1147	1134	1122
65°	1005	1006	1000
70°	904	901	888
75°	842	817	819
80°	752	738	738
85°	581	597	574



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.3	3.7
10°-20°	334.0	10.7
20°-30°	506.4	16.2
30°-40°	605.7	19.4
40°-50°	598.0	19.1
50°-60°	465.5	14.9
60°-70°	295.5	9.5
70°-80°	158.6	5.1
80°-90°	43.0	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°	956.7	30.6
0°-40°	1562.4	50.0
0°-60°	2625.9	84.1
0°-90°	3123.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3123.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1226	1226	1226	1226	1226	
5°	1227	1224	1222	1222	1224	117
15°	1188	1184	1183	1181	1185	335
25°	1102	1100	1099	1096	1099	508
35°	975	973	969	966	970	609
45°	789	784	777	773	773	606
55°	526	523	519	515	515	471
65°	296	297	296	293	295	297
75°	152	150	148	147	148	161
85°	35	36	36	36	35	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1226.3	1226.3	1226.3	1226.3	1226.3
2.5°	1230.4	1226.3	1224.9	1224.2	1227.3
5°	1227.3	1223.5	1222.2	1221.5	1224.2
7.5°	1222.2	1217.7	1216.3	1215.7	1218.7
10°	1212.9	1208.8	1207.1	1207.1	1209.8
12.5°	1202.0	1198.5	1196.8	1195.5	1198.5
15°	1187.9	1183.8	1182.8	1181.4	1184.8
17.5°	1171.2	1167.0	1165.7	1165.0	1167.4
20°	1152.0	1146.8	1146.2	1145.8	1147.2
22.5°	1128.4	1125.6	1124.3	1123.6	1124.6
25°	1102.0	1099.9	1098.6	1096.5	1099.3
27.5°	1076.3	1073.6	1070.2	1068.5	1070.2
30°	1044.8	1041.4	1039.0	1038.3	1039.0
32.5°	1012.3	1008.9	1005.8	1005.5	1005.1
35°	974.6	972.6	968.8	965.7	969.9
37.5°	937.3	932.5	929.1	925.4	924.3
40°	890.8	889.1	883.2	879.8	879.5
42.5°	845.6	837.7	833.6	831.2	827.4
45°	789.4	784.0	776.8	773.0	772.7
47.5°	730.9	724.1	717.2	712.1	713.4
50°	662.4	659.4	652.8	648.4	646.7
52.5°	591.9	591.2	584.4	581.6	578.6
55°	526.2	523.4	518.6	515.2	515.2
57.5°	461.5	459.1	456.7	450.2	450.2
60°	399.9	399.5	395.4	391.6	391.3
62.5°	344.7	346.8	343.0	339.3	337.2
65°	296.1	297.2	296.5	292.7	294.8
67.5°	253.3	253.7	252.3	250.3	251.6
70°	215.7	217.4	215.0	213.6	211.9
72.5°	182.8	182.1	180.1	181.1	178.7
75°	152.0	149.6	147.5	147.2	147.9
77.5°	121.2	120.5	118.8	118.8	117.8
80°	91.1	90.4	89.4	89.7	89.4
82.5°	64.7	63.0	61.6	62.3	62.6
85°	35.3	35.9	36.3	36.3	34.9
87.5°	14.4	14.0	14.4	15.1	15.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)