

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: P738477

Luminaire Tested: **24PT-35-PL1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738477
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-35-PL1-L940
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

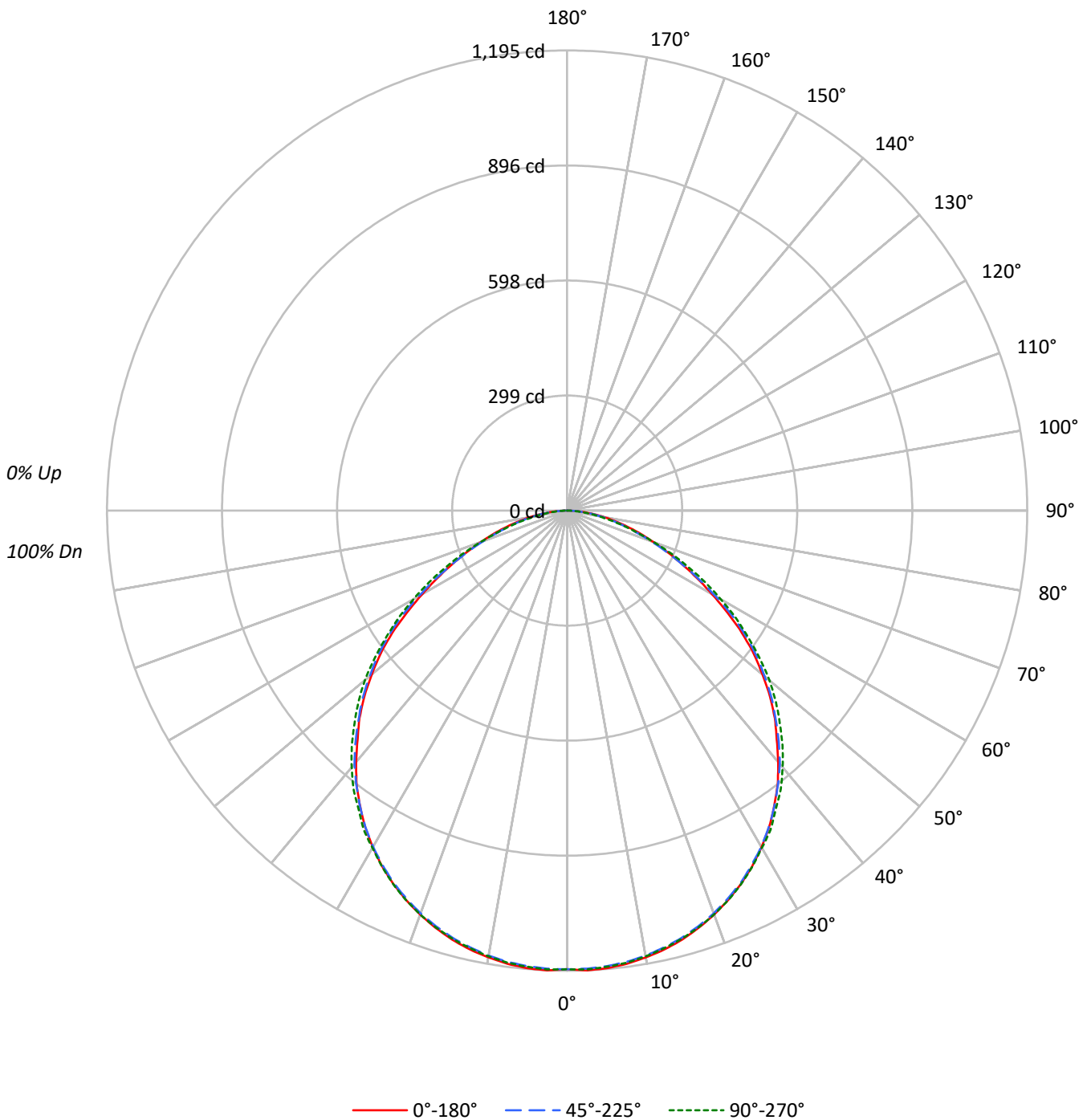
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3153.0 lumens
Efficiency: N/A
Efficacy: 111.8 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	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°	1708	1708	1708
5°	1717	1709	1712
10°	1715	1708	1711
15°	1712	1705	1709
20°	1704	1698	1703
25°	1691	1687	1693
30°	1671	1669	1675
35°	1641	1642	1654
40°	1596	1608	1630
45°	1546	1553	1584
50°	1477	1494	1530
55°	1387	1412	1434
60°	1245	1276	1323
65°	1114	1116	1177
70°	993	966	1000
75°	897	844	829
80°	798	743	656
85°	653	620	513



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.0	3.6
10°-20°	324.4	10.3
20°-30°	491.5	15.6
30°-40°	587.4	18.6
40°-50°	592.5	18.8
50°-60°	502.7	15.9
60°-70°	332.6	10.5
70°-80°	165.1	5.2
80°-90°	43.7	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°	929.0	29.5
0°-40°	1516.4	48.1
0°-60°	2611.6	82.8
0°-90°	3153.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3153.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1191	1191	1191	1191	1191	
5°	1193	1188	1187	1187	1189	113
15°	1154	1150	1149	1149	1151	325
25°	1069	1067	1067	1066	1070	492
35°	938	936	938	943	945	586
45°	762	762	766	776	781	587
55°	555	556	565	570	574	493
65°	328	328	329	339	347	328
75°	162	158	152	148	150	173
85°	40	40	38	35	31	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1191.2	1191.2	1191.2	1191.2	1191.2
2.5°	1195.3	1191.5	1190.5	1189.8	1192.6
5°	1192.6	1188.5	1187.4	1186.7	1189.1
7.5°	1187.1	1182.6	1181.9	1181.3	1184.3
10°	1178.2	1174.1	1173.4	1172.7	1175.4
12.5°	1167.6	1163.5	1162.1	1162.4	1164.1
15°	1153.5	1149.8	1148.7	1148.7	1151.1
17.5°	1136.1	1132.6	1132.0	1131.6	1134.7
20°	1116.5	1113.1	1113.1	1114.2	1115.9
22.5°	1094.3	1091.9	1090.5	1091.2	1094.6
25°	1069.0	1066.6	1066.6	1066.2	1070.0
27.5°	1040.9	1037.8	1037.8	1040.5	1041.9
30°	1009.4	1006.6	1008.0	1010.1	1011.4
32.5°	975.5	973.8	974.8	977.9	983.4
35°	937.5	936.1	937.8	943.0	945.0
37.5°	897.8	896.7	899.1	906.0	911.8
40°	852.6	852.6	859.1	865.2	870.7
42.5°	805.7	808.7	813.5	823.1	827.9
45°	762.5	761.5	765.9	776.2	781.0
47.5°	714.6	713.6	720.1	727.2	735.1
50°	662.2	661.8	669.7	675.9	685.8
52.5°	611.2	614.3	619.4	624.9	630.7
55°	554.7	556.0	565.0	570.1	573.5
57.5°	493.7	498.2	509.1	516.7	519.8
60°	434.2	436.9	444.8	458.1	461.2
62.5°	380.1	381.1	385.9	400.9	405.1
65°	328.4	327.7	329.0	339.3	346.8
67.5°	281.4	278.7	278.7	284.2	293.4
70°	236.9	232.8	230.4	232.1	238.6
72.5°	199.6	194.1	188.0	186.9	191.1
75°	162.0	157.5	152.4	147.6	149.6
77.5°	129.1	125.3	120.5	115.0	112.3
80°	96.6	95.2	90.0	84.9	79.4
82.5°	67.5	66.4	63.0	58.9	55.5
85°	39.7	39.7	37.7	34.6	31.2
87.5°	17.8	17.1	17.8	15.1	14.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)