

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: P738500

Luminaire Tested: **24PT-40-PC3-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738500
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-40-PC3-L935
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

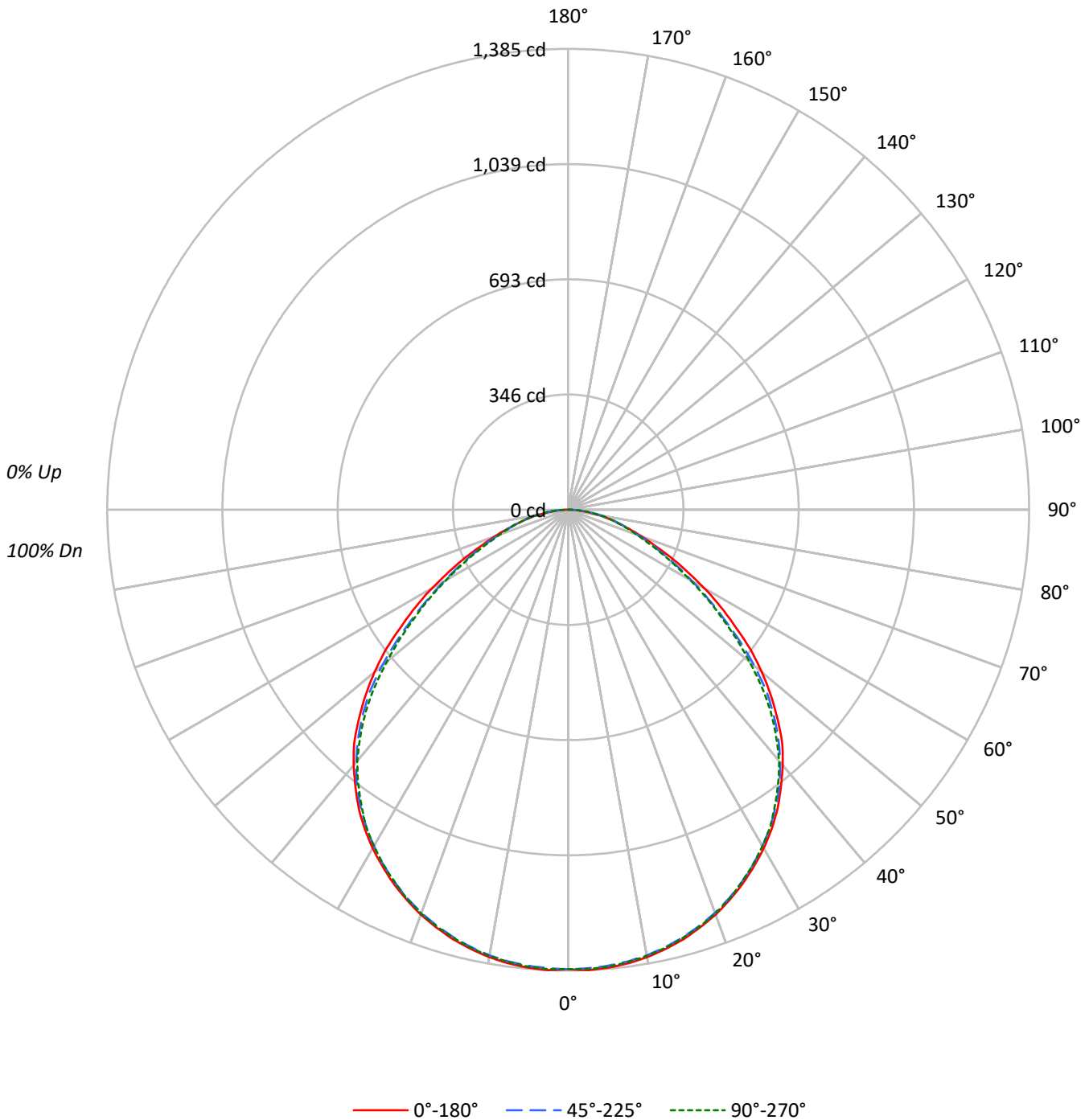
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3483.0 lumens
Efficiency: N/A
Efficacy: 106.5 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): 32.7
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

TEST NUMBER: P738500
CATALOG NUMBER: 24PT-40-PC3-L935

Luminous Intensity Polar Plot





TEST NUMBER: P738500

CATALOG NUMBER: 24PT-40-PC3-L935

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°	1980	1980	1980
5°	1989	1980	1984
10°	1989	1980	1982
15°	1984	1975	1977
20°	1976	1967	1971
25°	1963	1953	1952
30°	1946	1933	1932
35°	1920	1904	1896
40°	1877	1854	1846
45°	1804	1770	1746
50°	1694	1629	1586
55°	1531	1428	1401
60°	1354	1235	1211
65°	1158	1070	1043
70°	981	939	912
75°	860	875	845
80°	771	850	803
85°	651	778	740



TEST NUMBER: P738500

CATALOG NUMBER: 24PT-40-PC3-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.9	3.8
10°-20°	375.8	10.8
20°-30°	569.3	16.3
30°-40°	679.9	19.5
40°-50°	670.7	19.3
50°-60°	519.2	14.9
60°-70°	319.2	9.2
70°-80°	167.2	4.8
80°-90°	50.7	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°	1076.0	30.9
0°-40°	1755.9	50.4
0°-60°	2945.9	84.6
0°-90°	3483.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3483.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1381	1381	1381	1381	1381	
5°	1382	1377	1376	1375	1378	131
15°	1337	1332	1330	1329	1332	377
25°	1240	1237	1234	1234	1234	572
35°	1097	1092	1088	1084	1083	685
45°	890	883	873	864	861	684
55°	613	596	571	563	560	550
65°	341	326	316	306	307	340
75°	155	157	158	155	153	167
85°	40	44	47	46	45	46
90°	0	0	0	0	0	



TEST NUMBER: P738500

CATALOG NUMBER: 24PT-40-PC3-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1380.8	1380.8	1380.8	1380.8	1380.8
2.5°	1385.4	1381.2	1379.3	1378.9	1382.0
5°	1381.6	1377.3	1375.8	1375.0	1378.5
7.5°	1375.4	1370.8	1369.3	1368.1	1371.2
10°	1365.8	1361.2	1359.7	1358.9	1361.6
12.5°	1352.0	1347.8	1346.6	1345.4	1348.9
15°	1336.6	1332.4	1330.5	1329.3	1332.0
17.5°	1316.6	1313.2	1310.9	1310.9	1313.2
20°	1295.1	1290.9	1289.0	1287.8	1291.6
22.5°	1268.6	1265.9	1263.6	1261.7	1265.9
25°	1240.5	1236.7	1234.4	1233.6	1234.0
27.5°	1208.6	1205.9	1202.9	1201.7	1202.5
30°	1175.2	1171.7	1167.5	1165.2	1167.1
32.5°	1137.9	1132.9	1129.5	1127.2	1129.9
35°	1096.8	1091.8	1088.0	1084.5	1083.0
37.5°	1049.9	1048.4	1043.0	1036.9	1036.5
40°	1002.6	998.4	990.7	988.0	986.1
42.5°	951.9	943.1	935.0	927.3	924.6
45°	889.7	883.1	873.1	863.9	860.8
47.5°	825.9	817.4	807.8	791.7	789.7
50°	759.4	747.1	730.2	716.7	711.0
52.5°	690.2	673.7	650.2	638.7	635.6
55°	612.6	596.1	571.1	562.6	560.3
57.5°	543.4	519.2	498.8	489.2	492.3
60°	472.3	448.9	430.8	421.6	422.4
62.5°	402.8	384.3	370.9	362.0	363.2
65°	341.3	325.5	315.5	306.3	307.4
67.5°	280.9	273.6	266.3	260.9	257.9
70°	234.0	231.0	224.0	219.1	217.5
72.5°	191.4	193.3	187.5	186.0	185.6
75°	155.3	156.8	157.9	154.9	152.6
77.5°	124.1	126.4	131.0	126.8	126.1
80°	93.4	98.0	103.0	100.3	97.2
82.5°	65.3	71.1	75.7	72.2	70.7
85°	39.6	44.2	47.3	46.1	45.0
87.5°	17.7	19.2	20.8	21.1	20.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)