

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: STREETWORKS

Report Number: P478388

Luminaire Tested: **IFLD-S-SA2D-722-U-T4W**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P478388
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-722-U-T4W
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

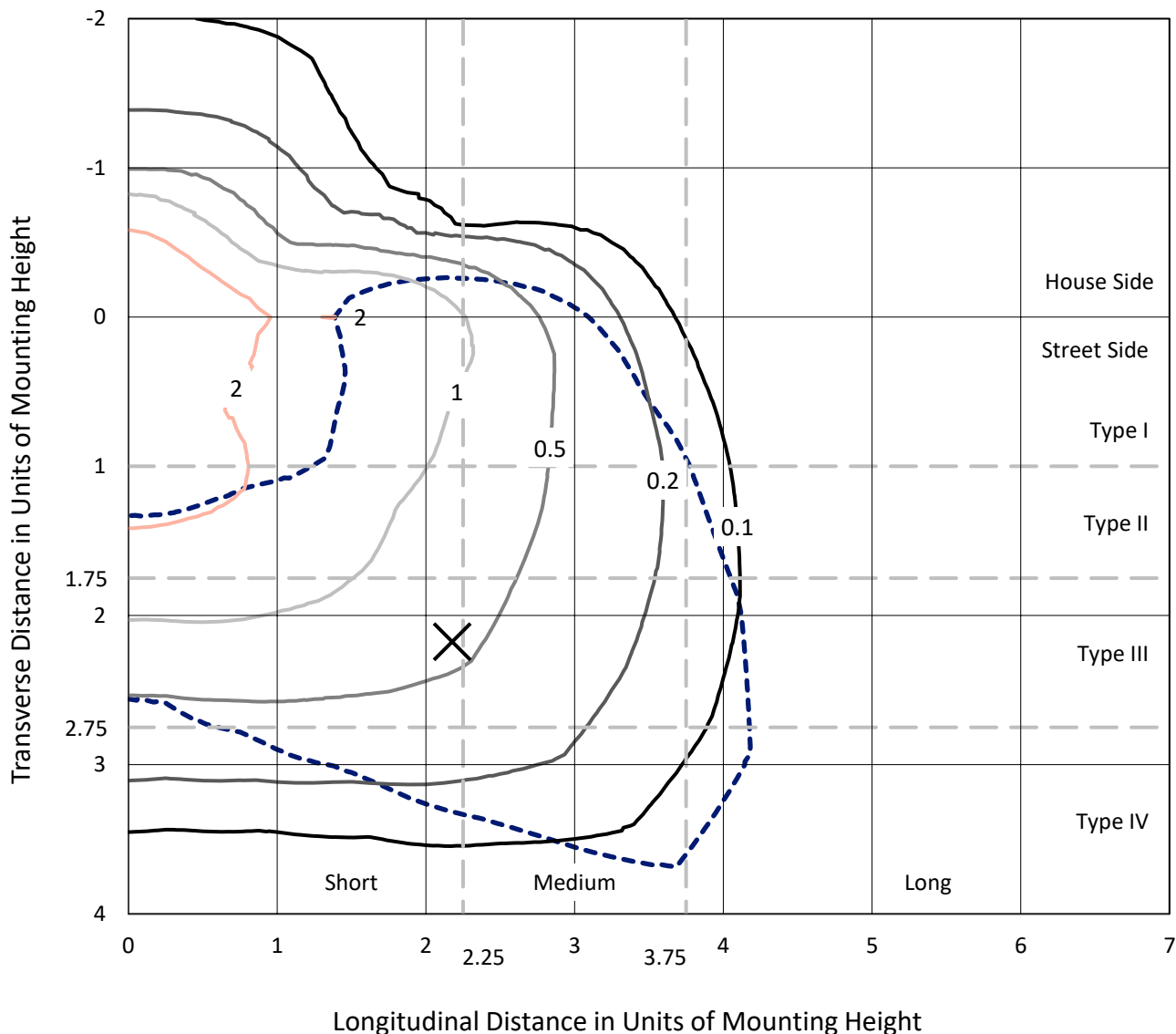
Lumens per Lamp: N/A
Luminaire Lumens: 11644.3 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 123.9
Input Voltage (V): 120
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: 24 FT

REPORT NUMBER: P478388
 CATALOG NUMBER: IFLD-S-SA2D-722-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

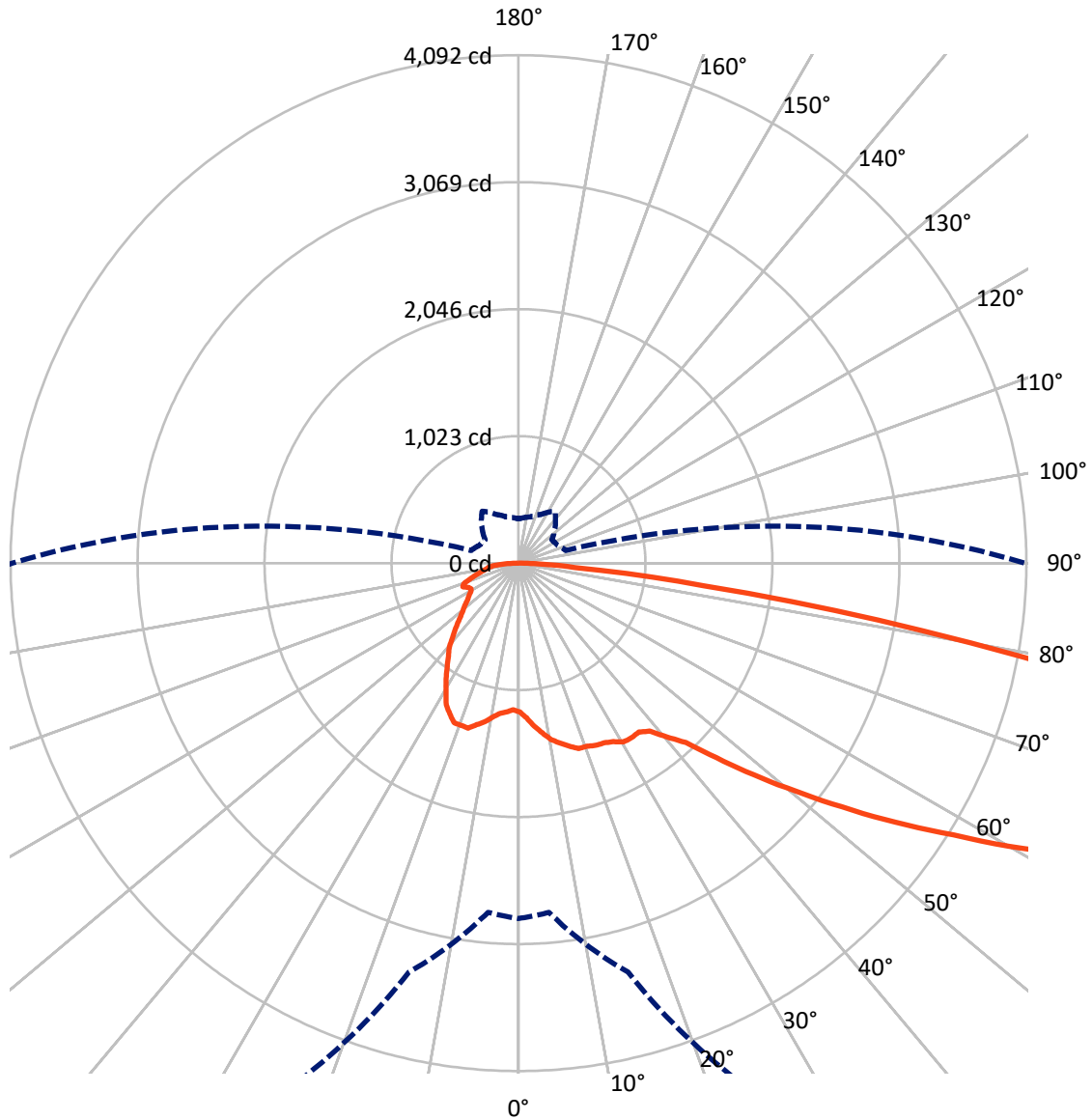
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P478388
CATALOG NUMBER: IFLD-S-SA2D-722-U-T4W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

REPORT NUMBER: P478388

CATALOG NUMBER: IFLD-S-SA2D-722-U-T4W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2592.1	0.0	2592.1
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	9052.2	0.0	9052.2
	% Fixture	77.7	0.0	77.7
Total	Lumens	11644.3	0.0	11644.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.7	1.1
10°-20°	408.3	3.5
20°-30°	689.4	5.9
30°-40°	954.0	8.2
40°-50°	1364.7	11.7
50°-60°	2201.1	18.9
60°-70°	3246.3	27.9
70°-80°	2357.3	20.2
80°-90°	300.5	2.6
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°-90°	11644.3	100.0
0°-180°	11644.3	100.0

Coefficient of Utilization



REPORT NUMBER: P478388

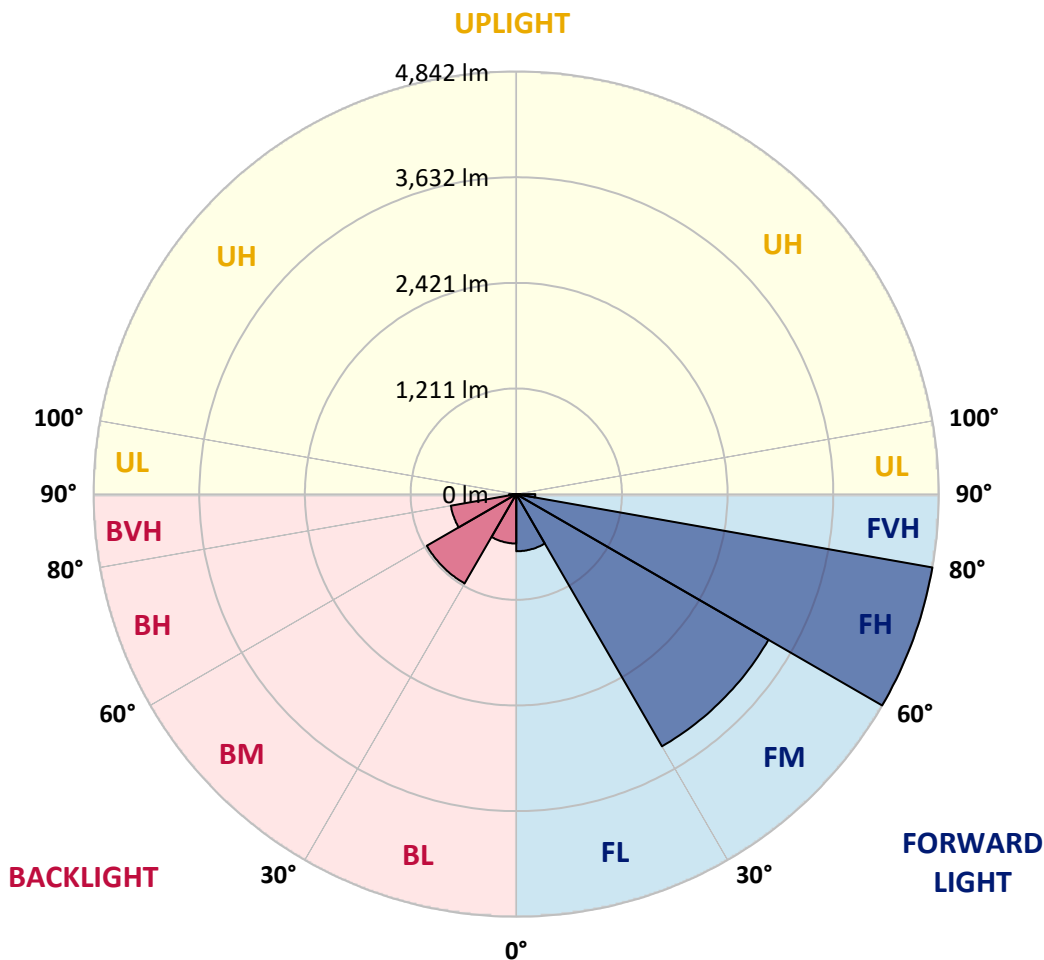
CATALOG NUMBER: IFLD-S-SA2D-722-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	654.4	5.6			
FM (30°-60°)	3336.8	28.7			
FH (60°-80°)	4842.2	41.6			G2/5000
FVH (80°-90°)	218.7	1.9			G2/225
BL (0°-30°)	566.0	4.9	B2/1000		
BM (30°-60°)	1182.9	10.2	B2/2500		
BH (60°-80°)	761.4	6.5	B2/1000		G2/1000
BVH (80°-90°)	81.8	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short





REPORT NUMBER: P478388

CATALOG NUMBER: IFLD-S-SA2D-722-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	1199.1	1199.1	1199.1	1199.1	1199.1	1199.1	1199.1	1199.1	1199.1	1199.1	1199.1
2.5°	1263.2	1270.7	1263.2	1261.9	1249.4	1240.6	1248.1	1236.8	1224.3	1219.2	1207.9
5°	1378.7	1380.0	1366.1	1367.4	1341.0	1313.4	1318.4	1284.5	1248.1	1234.3	1211.7
7.5°	1496.7	1482.9	1462.8	1456.6	1415.1	1385.0	1381.2	1351.1	1294.6	1263.2	1231.8
10°	1573.3	1578.4	1545.7	1518.1	1482.9	1446.5	1445.3	1388.8	1356.1	1309.6	1269.5
12.5°	1641.1	1642.4	1614.8	1570.8	1526.9	1481.7	1487.9	1462.8	1407.6	1363.6	1323.5
15°	1693.9	1686.3	1656.2	1616.0	1569.6	1534.4	1530.6	1509.3	1462.8	1426.4	1359.9
17.5°	1708.9	1705.2	1675.0	1632.3	1587.1	1560.8	1570.8	1535.7	1516.8	1484.2	1420.1
20°	1680.1	1671.3	1666.3	1618.5	1585.9	1583.4	1574.6	1582.1	1550.7	1520.6	1474.1
22.5°	1627.3	1623.6	1621.0	1583.4	1568.3	1579.6	1594.7	1606.0	1601.0	1572.1	1519.3
25°	1573.3	1590.9	1574.6	1557.0	1578.4	1607.2	1603.5	1639.9	1639.9	1631.1	1587.1
27.5°	1611.0	1599.7	1587.1	1578.4	1585.9	1631.1	1628.6	1672.5	1688.9	1672.5	1622.3
30°	1705.2	1693.9	1657.5	1618.5	1608.5	1657.5	1670.0	1708.9	1716.5	1676.3	1633.6
32.5°	1882.2	1875.9	1818.2	1703.9	1642.4	1670.0	1676.3	1720.2	1714.0	1688.9	1671.3
35°	2144.7	2123.3	2042.9	1849.6	1714.0	1686.3	1670.0	1705.2	1729.0	1716.5	1700.2
37.5°	2432.2	2408.3	2309.1	2064.3	1843.3	1730.3	1717.7	1746.6	1774.2	1768.0	1734.1
40°	2707.2	2707.2	2618.0	2333.0	2035.4	1837.0	1839.5	1806.9	1832.0	1820.7	1827.0
42.5°	2978.4	2968.4	2931.9	2648.2	2241.3	2015.3	1975.1	1893.5	1938.7	1935.0	1943.7
45°	3253.4	3245.9	3235.8	2942.0	2536.4	2256.4	2235.1	2088.1	2129.6	2112.0	2149.7
47.5°	3473.1	3481.9	3481.9	3269.7	2851.6	2577.9	2546.5	2314.2	2393.3	2402.1	2410.9
50°	3660.2	3664.0	3660.2	3582.4	3203.2	2945.8	2881.7	2645.7	2724.8	2793.8	2874.2
52.5°	3918.9	3923.9	3906.3	3876.2	3680.3	3332.5	3260.9	2998.5	3160.5	3233.3	3377.7
55°	4237.8	4200.2	4167.5	4190.1	4138.6	3758.2	3684.1	3362.6	3606.2	3702.9	3991.7
57.5°	4296.8	4329.5	4412.4	4591.9	4666.0	4172.5	4129.8	3809.6	4109.7	4193.9	4676.0
60°	4505.3	4451.3	4654.7	5044.0	5126.8	4712.5	4668.5	4299.4	4610.8	4698.6	5307.6
62.5°	4642.1	4639.6	4941.0	5403.1	5591.4	5272.5	5183.3	4936.0	5151.9	5237.3	5995.7
65°	4602.0	4638.4	5173.3	5614.0	5979.4	5909.1	5857.6	5483.4	5768.5	5760.9	6444.0
67.5°	4235.3	4338.3	5026.4	5766.0	6557.0	6685.1	6668.8	6253.1	6269.5	6110.0	6643.7
70°	3726.8	3691.6	4404.8	5607.7	6845.8	7605.5	7601.7	6825.7	6720.2	6186.6	6071.1
72°	2862.9	2824.0	3410.4	4815.4	6693.9	7973.4	8086.4	7222.5	6715.2	5868.9	5015.1
72.5°	2599.2	2565.3	3149.2	4532.9	6525.6	8068.8	8016.1	7237.6	6662.5	5719.5	4684.8
75°	1196.6	1157.7	1573.3	2775.0	5090.4	7149.7	7329.2	6773.0	5818.7	4553.0	2806.4
77.5°	356.6	345.3	506.0	1120.0	2958.3	5267.5	5336.5	5110.5	4062.0	2493.7	1040.9
80°	198.4	199.6	261.2	419.4	1300.9	3045.0	3293.6	3156.7	1992.7	823.7	346.6
82.5°	110.5	116.8	163.2	248.6	597.7	1397.5	1504.3	1450.3	720.7	386.7	189.6
85°	57.8	60.3	85.4	133.1	339.0	442.0	454.5	487.2	374.2	263.7	101.7
87.5°	22.6	22.6	31.4	55.2	125.6	136.9	123.1	149.4	214.7	170.8	50.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P478388
 CATALOG NUMBER: IFLD-S-SA2D-722-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1199.1	1199.1	1199.1	1199.1	1199.1	1199.1	1199.1	1199.1	1199.1	1199.1	1199.1
2.5°	1218.0	1207.9	1206.7	1190.4	1195.4	1181.6	1182.8	1180.3	1181.6	1179.1	1172.8
5°	1211.7	1204.2	1182.8	1196.6	1184.1	1201.7	1215.5	1210.4	1214.2	1213.0	1214.2
7.5°	1220.5	1210.4	1207.9	1200.4	1211.7	1219.2	1230.5	1261.9	1259.4	1263.2	1270.7
10°	1246.9	1235.6	1228.0	1239.3	1233.1	1256.9	1269.5	1285.8	1314.7	1315.9	1300.9
12.5°	1298.3	1290.8	1275.7	1278.3	1299.6	1307.1	1314.7	1324.7	1343.5	1339.8	1353.6
15°	1357.4	1341.0	1332.2	1329.7	1334.8	1343.5	1342.3	1352.3	1362.4	1371.2	1367.4
17.5°	1400.1	1378.7	1381.2	1393.8	1392.5	1390.0	1373.7	1368.7	1373.7	1378.7	1376.2
20°	1444.0	1446.5	1427.7	1416.4	1411.4	1386.2	1373.7	1358.6	1343.5	1351.1	1362.4
22.5°	1499.2	1487.9	1460.3	1426.4	1401.3	1386.2	1347.3	1320.9	1320.9	1328.5	1324.7
25°	1562.0	1538.2	1490.5	1428.9	1397.5	1333.5	1305.9	1302.1	1292.1	1303.4	1308.4
27.5°	1611.0	1589.7	1524.4	1420.1	1333.5	1282.0	1265.7	1260.7	1277.0	1278.3	1298.3
30°	1631.1	1624.8	1529.4	1397.5	1268.2	1185.3	1175.3	1197.9	1215.5	1241.8	1243.1
32.5°	1657.5	1660.0	1536.9	1344.8	1182.8	1100.0	1084.9	1112.5	1162.7	1184.1	1200.4
35°	1701.4	1714.0	1530.6	1279.5	1092.4	1013.3	1010.8	1018.3	1067.3	1105.0	1126.3
37.5°	1778.0	1775.5	1529.4	1201.7	1020.8	938.0	917.9	920.4	953.0	984.4	980.7
40°	1881.0	1870.9	1525.6	1100.0	927.9	873.9	840.0	827.5	825.0	816.2	818.7
42.5°	2021.6	2001.5	1524.4	997.0	843.8	786.0	762.2	729.5	705.7	660.5	663.0
45°	2217.5	2182.3	1491.7	900.3	760.9	713.2	676.8	652.9	601.5	545.0	545.0
47.5°	2520.1	2405.8	1493.0	793.6	680.6	641.6	616.5	575.1	519.8	474.6	469.6
50°	2965.9	2704.7	1450.3	709.4	615.3	588.9	562.5	514.8	462.1	430.7	434.5
52.5°	3540.9	3150.4	1449.0	634.1	563.8	545.0	516.1	473.4	434.5	414.4	406.8
55°	4226.5	3740.6	1494.2	572.6	511.1	501.0	488.4	453.3	415.6	398.0	396.8
57.5°	4928.4	4316.9	1567.1	528.6	465.8	473.4	464.6	437.0	406.8	386.7	384.2
60°	5552.5	4774.0	1420.1	475.9	425.7	442.0	454.5	430.7	414.4	413.1	404.3
62.5°	6023.4	4969.9	1079.9	435.7	404.3	434.5	468.4	483.4	475.9	485.9	487.2
65°	6195.4	4851.8	743.3	414.4	388.0	452.0	527.4	522.4	478.4	459.6	469.6
67.5°	5954.3	4373.4	551.2	389.3	376.7	488.4	561.3	498.5	431.9	429.4	421.9
70°	5120.5	3706.7	449.5	362.9	357.9	468.4	546.2	462.1	406.8	390.5	383.0
72°	4079.6	2886.7	394.3	344.0	327.7	418.1	511.1	433.2	385.5	365.4	356.6
72.5°	3724.3	2675.8	386.7	335.3	321.4	406.8	493.5	424.4	380.5	362.9	349.1
75°	2042.9	1369.9	340.3	307.6	271.2	351.6	457.1	398.0	359.1	334.0	331.5
77.5°	759.7	531.1	293.8	272.5	234.8	303.9	415.6	378.0	326.5	295.1	288.8
80°	291.3	280.0	239.8	229.8	197.1	266.2	383.0	339.0	277.5	246.1	236.1
82.5°	177.0	163.2	182.1	179.6	150.7	242.3	360.4	317.7	246.1	199.6	193.4
85°	96.7	96.7	126.8	121.8	105.5	193.4	272.5	210.9	155.7	128.1	130.6
87.5°	42.7	50.2	67.8	64.0	57.8	109.2	133.1	111.8	77.9	52.7	56.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)