

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: P478075

Luminaire Tested: **IFLD-S-SA2C-730-U-T4FT**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P478075
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-730-U-T4FT
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

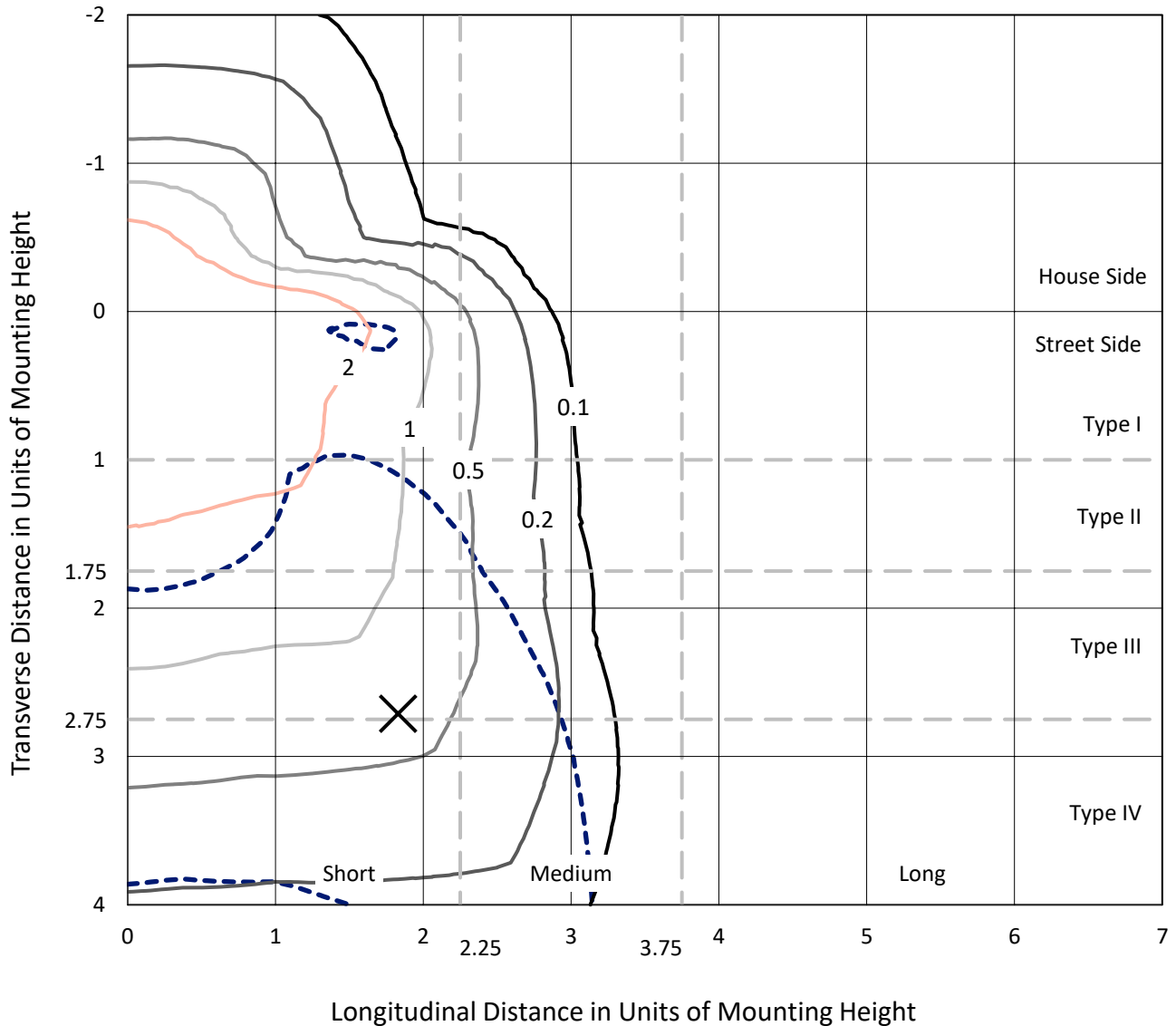
Lumens per Lamp: N/A
Luminaire Lumens: 13259.7 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 108.2
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: P478075
 CATALOG NUMBER: IFLD-S-SA2C-730-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

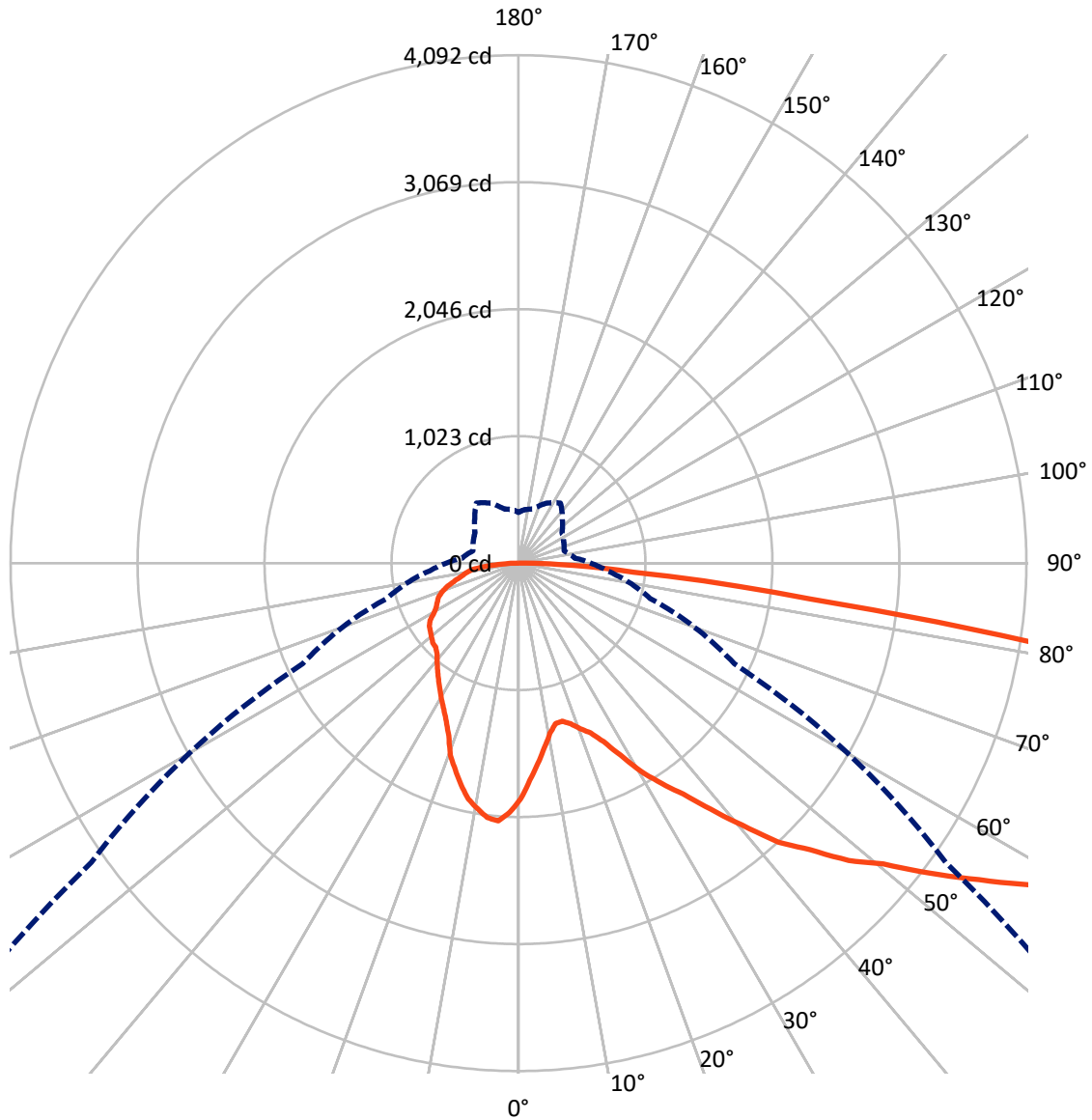
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 fc
 Type IV - Short - N/A

REPORT NUMBER: P478075
CATALOG NUMBER: IFLD-S-SA2C-730-U-T4FT

Luminous Intensity Polar Plot



— Vertical Plane Through 34-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

REPORT NUMBER: P478075
 CATALOG NUMBER: IFLD-S-SA2C-730-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2864.3	0.0	2864.3
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	10395.4	0.0	10395.4
	% Fixture	78.4	0.0	78.4
Total	Lumens	13259.7	0.0	13259.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.5	1.3
10°-20°	491.0	3.7
20°-30°	808.1	6.1
30°-40°	1208.6	9.1
40°-50°	1791.7	13.5
50°-60°	2582.0	19.5
60°-70°	3294.9	24.8
70°-80°	2564.0	19.3
80°-90°	344.0	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°	13259.7	100.0
0°-180°	13259.7	100.0

Coefficient of Utilization



REPORT NUMBER: P478075

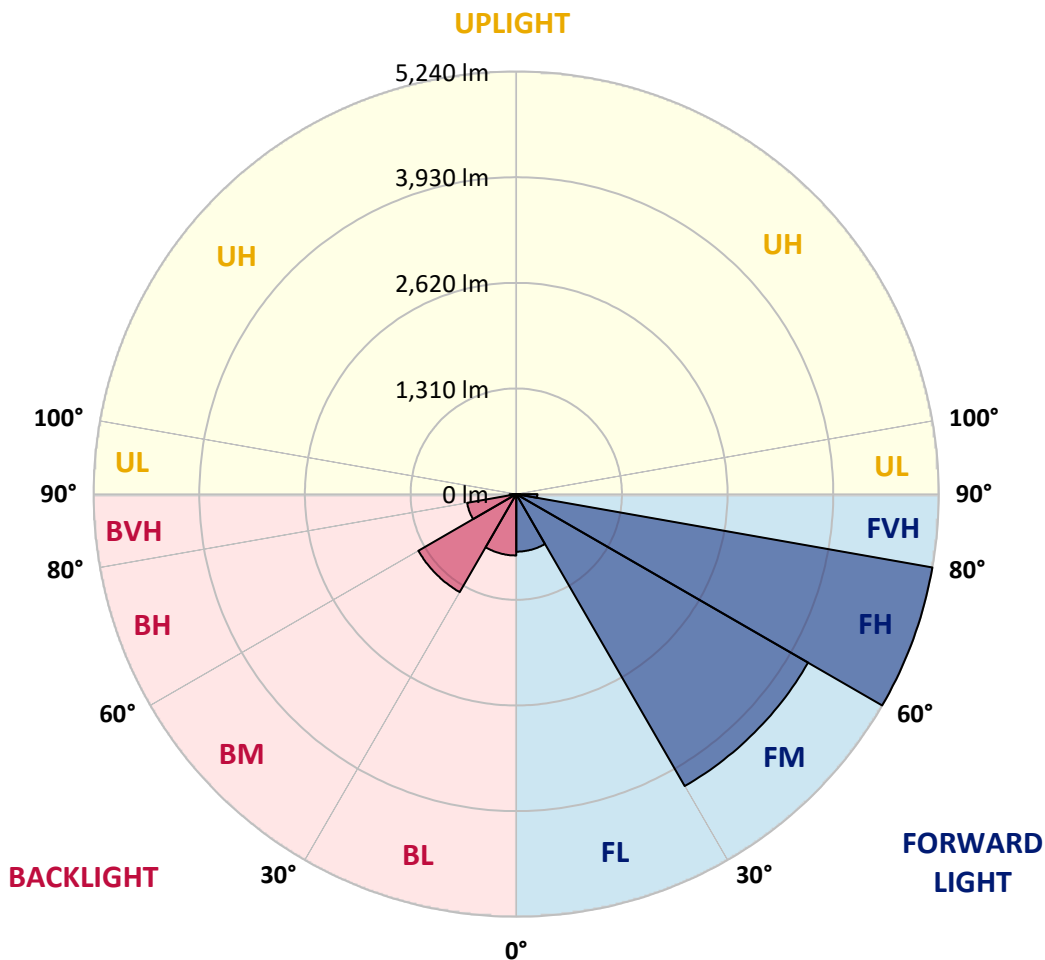
CATALOG NUMBER: IFLD-S-SA2C-730-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	713.6	5.4			
FM (30°-60°)	4179.5	31.5			
FH (60°-80°)	5240.5	39.5			G3/7500
FVH (80°-90°)	261.8	2.0			G3/500
BL (0°-30°)	761.0	5.7	B2/1000		
BM (30°-60°)	1402.6	10.6	B2/2500		
BH (60°-80°)	618.5	4.7	B2/1000		G2/1000
BVH (80°-90°)	82.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





REPORT NUMBER: P478075

CATALOG NUMBER: IFLD-S-SA2C-730-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	1901.0	1901.0	1901.0	1901.0	1901.0	1901.0	1901.0	1901.0	1901.0	1901.0	1901.0
2.5°	1703.3	1708.9	1727.2	1731.4	1751.0	1739.8	1763.6	1805.7	1829.5	1864.5	1906.6
5°	1568.7	1544.9	1556.1	1599.6	1622.0	1627.6	1652.8	1724.3	1769.2	1821.1	1899.6
7.5°	1410.3	1406.1	1428.5	1456.6	1501.4	1505.6	1561.7	1624.8	1717.3	1832.3	1924.8
10°	1302.4	1320.6	1333.2	1362.7	1393.5	1393.5	1465.0	1574.3	1679.5	1790.2	1930.4
12.5°	1296.8	1285.5	1288.4	1303.8	1326.2	1354.2	1421.5	1519.7	1652.8	1781.8	1954.3
15°	1315.0	1319.2	1294.0	1313.6	1322.0	1331.8	1406.1	1516.9	1636.0	1811.3	1994.9
17.5°	1411.7	1387.9	1348.6	1330.4	1359.9	1359.9	1410.3	1497.2	1638.8	1826.7	2053.8
20°	1487.4	1487.4	1422.9	1403.3	1424.3	1420.1	1455.2	1519.7	1652.8	1857.5	2119.7
22.5°	1615.0	1633.2	1526.7	1486.0	1484.6	1495.8	1526.7	1581.4	1692.1	1901.0	2182.8
25°	1798.6	1802.9	1679.5	1637.4	1592.6	1610.8	1616.4	1671.1	1727.2	1951.5	2254.3
27.5°	2003.3	2000.5	1887.0	1781.8	1752.4	1756.6	1725.7	1762.2	1779.0	1966.9	2356.6
30°	2230.4	2205.2	2119.7	1971.1	1947.3	1920.6	1853.3	1851.9	1887.0	2053.8	2498.2
32.5°	2379.0	2346.8	2287.9	2181.4	2115.5	2118.3	2011.7	2010.3	1979.5	2149.1	2621.6
35°	2524.8	2475.8	2460.3	2351.0	2285.1	2292.1	2206.6	2195.4	2139.3	2293.5	2824.8
37.5°	2700.1	2656.6	2680.4	2597.7	2516.4	2482.8	2443.5	2429.5	2356.6	2496.8	3102.4
40°	2893.5	2879.5	2864.1	2823.4	2774.4	2777.2	2735.1	2721.1	2613.2	2742.1	3368.8
42.5°	3154.3	3101.0	3021.1	3047.7	3073.0	3099.6	3085.6	3049.2	2937.0	2991.7	3666.0
45°	3396.8	3326.7	3179.5	3187.9	3291.7	3312.7	3482.3	3478.1	3252.4	3308.5	4003.8
47.5°	3560.8	3528.6	3440.3	3430.5	3579.1	3577.7	3883.3	3883.3	3584.7	3623.9	4366.9
50°	3804.8	3720.7	3682.8	3731.9	3807.6	3859.5	4292.6	4319.3	3911.3	3953.4	4842.2
52.5°	4090.8	3985.6	3890.3	4016.5	4151.0	4184.7	4697.8	4686.6	4162.3	4336.1	5398.7
55°	4327.7	4274.4	4208.5	4281.4	4501.5	4543.6	5104.3	5000.6	4413.2	4652.9	5666.5
57.5°	4603.9	4636.1	4650.1	4631.9	4894.1	4960.0	5568.4	5271.2	4629.1	4866.0	5823.5
60°	5020.2	5039.9	5058.1	5101.5	5379.1	5471.6	5935.7	5610.4	4765.1	4989.4	5836.1
62.5°	5653.9	5578.2	5618.8	5768.9	5991.8	6096.9	6476.8	5848.8	4868.8	5063.7	5424.0
65°	6378.7	6276.3	6234.3	6427.7	7005.3	6921.2	7152.5	6026.8	4718.8	4786.1	4599.7
67.5°	7113.3	7124.5	7016.5	7404.9	8112.8	8112.8	7780.6	6112.3	4312.3	3879.1	3225.8
70°	7696.5	7731.5	7790.4	8543.2	9664.8	9834.4	8558.6	5761.8	3483.7	2582.3	1763.6
72.5°	7688.1	7582.9	7884.3	9270.8	11075.1	10933.5	8721.3	4556.2	2174.4	1264.5	808.9
73°	7515.6	7427.3	7756.8	9263.8	11132.6	10999.4	8602.1	4200.1	1917.8	1096.3	719.2
75°	6137.6	5977.7	6538.5	8390.4	10299.8	10402.2	7308.1	2739.3	1051.4	675.7	506.1
77.5°	2798.2	2868.3	3598.7	5628.7	7937.6	8058.2	4804.3	1184.6	576.2	473.8	372.9
80°	898.6	943.5	1400.5	2798.2	4975.4	5192.7	2220.6	538.3	410.8	363.1	279.0
82.5°	343.5	342.1	587.4	1163.6	2358.0	2496.8	811.7	328.0	305.6	267.8	197.7
85°	120.6	126.2	221.5	459.8	928.1	971.5	281.8	182.2	211.7	179.4	113.6
87.5°	42.1	43.5	78.5	166.8	319.6	337.9	78.5	72.9	105.1	103.7	57.5
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: P478075
 CATALOG NUMBER: IFLD-S-SA2C-730-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1901.0	1901.0	1901.0	1901.0	1901.0	1901.0	1901.0	1901.0	1901.0	1901.0	1901.0
2.5°	1920.6	1933.2	1937.4	1987.9	1987.9	1987.9	2007.5	2007.5	2001.9	1987.9	2021.6
5°	1929.0	1951.5	1994.9	2038.4	2049.6	2059.4	2086.0	2063.6	2072.0	2058.0	2070.6
7.5°	1952.9	1983.7	2065.0	2091.6	2073.4	2094.5	2066.4	2051.0	2035.6	2041.2	2021.6
10°	1993.5	2032.8	2070.6	2119.7	2084.6	2063.6	2006.1	1992.1	1943.0	1926.2	1941.6
12.5°	2044.0	2091.6	2156.1	2137.9	2070.6	2010.3	1948.7	1889.8	1860.3	1818.3	1829.5
15°	2094.5	2149.1	2158.9	2128.1	2044.0	1968.3	1856.1	1773.4	1744.0	1706.1	1725.7
17.5°	2149.1	2201.0	2184.2	2104.3	1990.7	1875.8	1748.2	1666.9	1605.2	1581.4	1581.4
20°	2230.4	2255.7	2229.0	2065.0	1926.2	1774.8	1651.4	1558.9	1497.2	1487.4	1472.0
22.5°	2293.5	2334.2	2215.0	2007.5	1832.3	1643.0	1501.4	1466.4	1448.2	1432.8	1413.1
25°	2374.8	2373.4	2189.8	1954.3	1671.1	1486.0	1400.5	1397.7	1389.3	1383.7	1410.3
27.5°	2451.9	2419.7	2160.3	1822.5	1504.2	1366.9	1320.6	1351.4	1364.1	1355.6	1366.9
30°	2573.9	2520.6	2118.3	1682.3	1357.0	1246.3	1254.7	1296.8	1317.8	1330.4	1313.6
32.5°	2702.9	2621.6	2031.4	1536.5	1226.7	1170.6	1190.2	1233.7	1258.9	1272.9	1288.4
35°	2889.3	2700.1	1943.0	1345.8	1132.7	1124.3	1135.5	1159.4	1195.8	1205.6	1209.8
37.5°	3119.2	2819.2	1823.9	1193.0	1059.8	1069.7	1080.9	1089.3	1090.7	1108.9	1101.9
40°	3349.2	2920.2	1650.0	1047.2	984.1	1037.4	1031.8	1016.4	1003.8	986.9	982.7
42.5°	3551.0	3008.5	1456.6	923.9	916.8	1003.8	985.5	946.3	916.8	904.2	883.2
45°	3778.1	3133.3	1261.7	846.8	865.0	963.1	957.5	897.2	859.4	814.5	808.9
47.5°	4072.5	3263.6	1075.3	766.8	815.9	947.7	950.5	873.4	818.7	758.4	750.0
50°	4449.7	3451.5	933.7	733.2	786.5	925.3	929.5	841.1	769.6	708.0	702.4
52.5°	4811.3	3643.6	815.9	681.3	766.8	898.6	908.4	811.7	729.0	651.9	656.1
55°	4993.6	3573.5	715.0	643.5	722.0	855.2	891.6	790.7	667.3	614.0	612.6
57.5°	5034.3	3401.0	635.1	604.2	684.1	808.9	863.6	727.6	639.3	594.4	588.8
60°	4901.1	3099.6	572.0	562.2	636.5	761.2	799.1	693.9	611.2	574.8	566.4
62.5°	4573.0	2787.0	528.5	542.5	595.8	709.4	758.4	670.1	584.6	559.4	541.1
65°	3750.1	2292.1	493.5	504.7	553.8	658.9	733.2	643.5	560.8	536.9	535.5
67.5°	2597.7	1580.0	465.4	486.5	520.1	622.4	708.0	614.0	529.9	521.5	510.3
70°	1330.4	842.5	429.0	445.8	483.7	576.2	663.1	583.2	497.7	496.3	482.3
72.5°	674.3	493.5	386.9	412.2	438.8	515.9	607.0	542.5	457.0	441.6	419.2
73°	583.2	457.0	379.9	402.3	427.6	499.1	590.2	532.7	451.4	429.0	408.0
75°	424.8	360.3	340.7	363.1	382.7	450.0	534.1	487.9	415.0	391.1	371.5
77.5°	318.2	277.6	283.2	308.4	325.2	388.3	475.2	441.6	375.7	343.5	335.1
80°	234.1	211.7	234.1	258.0	270.6	342.1	433.2	382.7	316.8	280.4	273.4
82.5°	166.8	154.2	180.8	196.3	201.9	283.2	389.7	305.6	239.7	192.1	176.6
85°	95.3	93.9	122.0	120.6	124.8	165.4	256.5	203.3	154.2	117.8	115.0
87.5°	42.1	46.3	61.7	49.1	51.9	78.5	109.3	75.7	63.1	35.0	26.6
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)