

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: P476518

Luminaire Tested: **IFLD-S-SA3A-730-U-T2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P476518
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-730-U-T2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

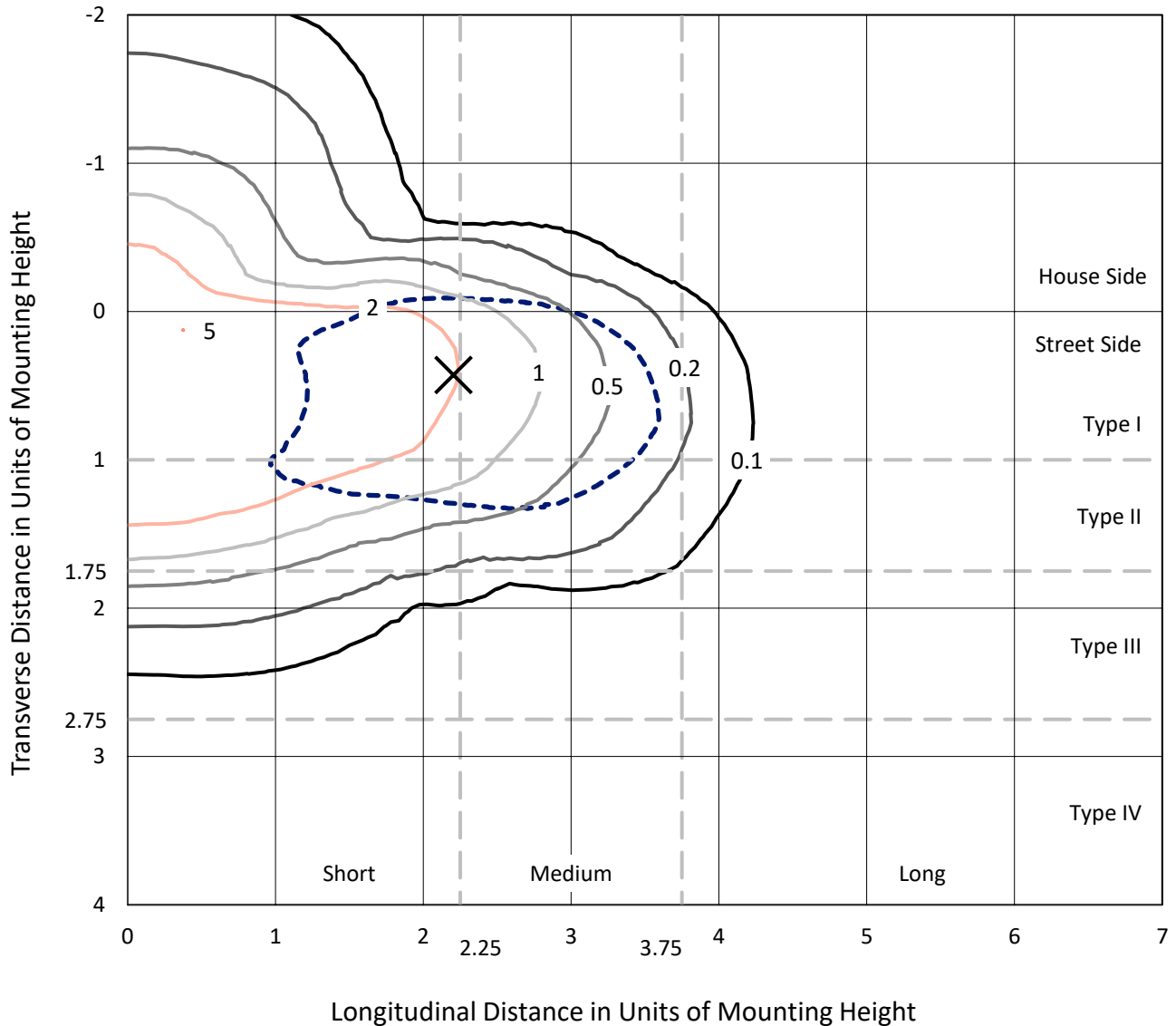
Lumens per Lamp: N/A
Luminaire Lumens: 12513.4 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 94.8
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: P476518
 CATALOG NUMBER: IFLD-S-SA3A-730-U-T2

Iso-Footcandle Lines of Horizontal Illumination

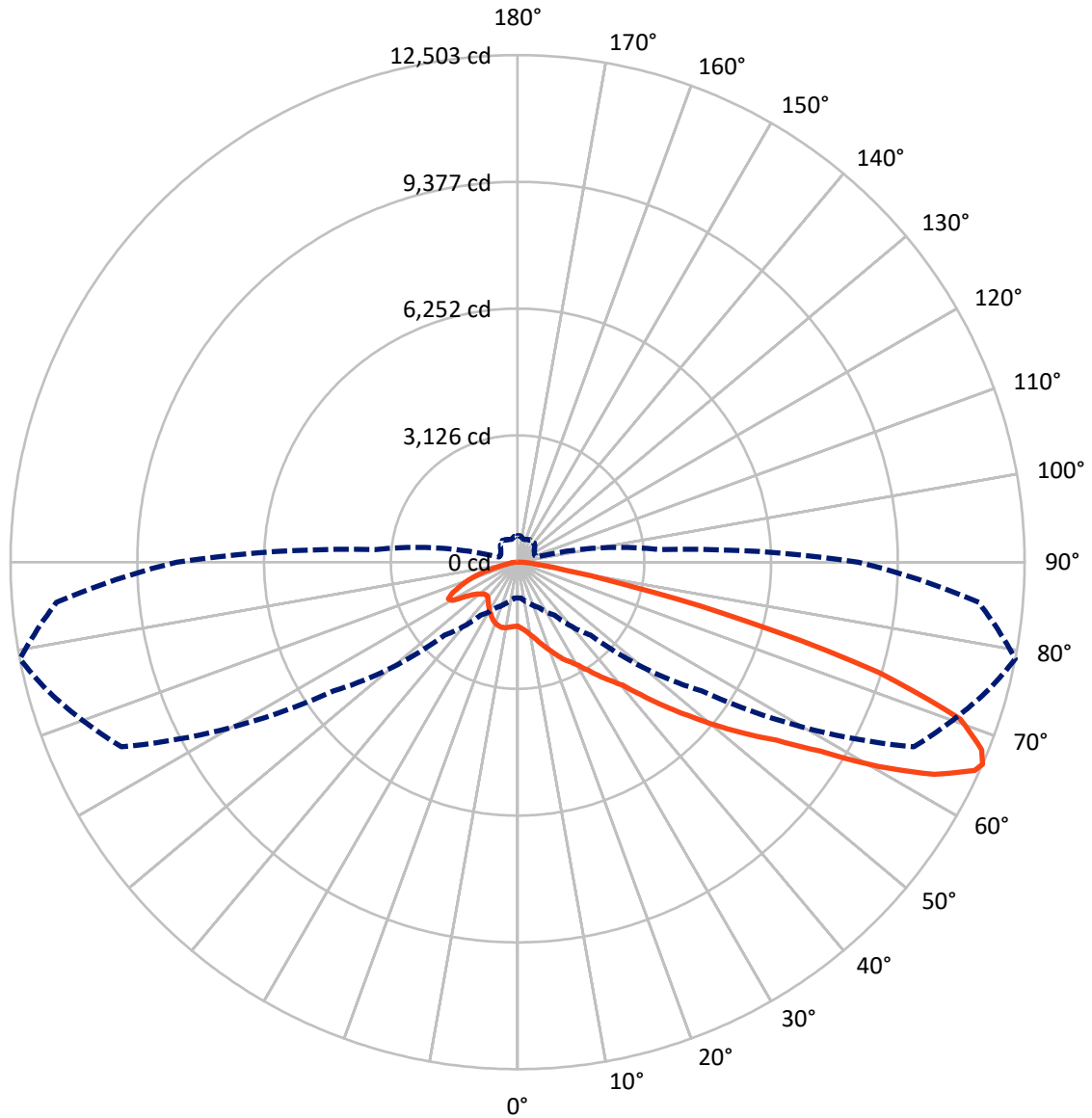
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P476518
CATALOG NUMBER: IFLD-S-SA3A-730-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P476518
 CATALOG NUMBER: IFLD-S-SA3A-730-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2526.9	0.0	2526.9
	% Fixture	20.2	0.0	20.2
Street Side	Lumens	9986.5	0.0	9986.5
	% Fixture	79.8	0.0	79.8
Total	Lumens	12513.4	0.0	12513.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.4	1.2
10°-20°	479.8	3.8
20°-30°	823.5	6.6
30°-40°	1272.2	10.2
40°-50°	2037.8	16.3
50°-60°	3042.5	24.3
60°-70°	3126.2	25.0
70°-80°	1385.8	11.1
80°-90°	190.1	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°-90°	12513.4	100.0
0°-180°	12513.4	100.0



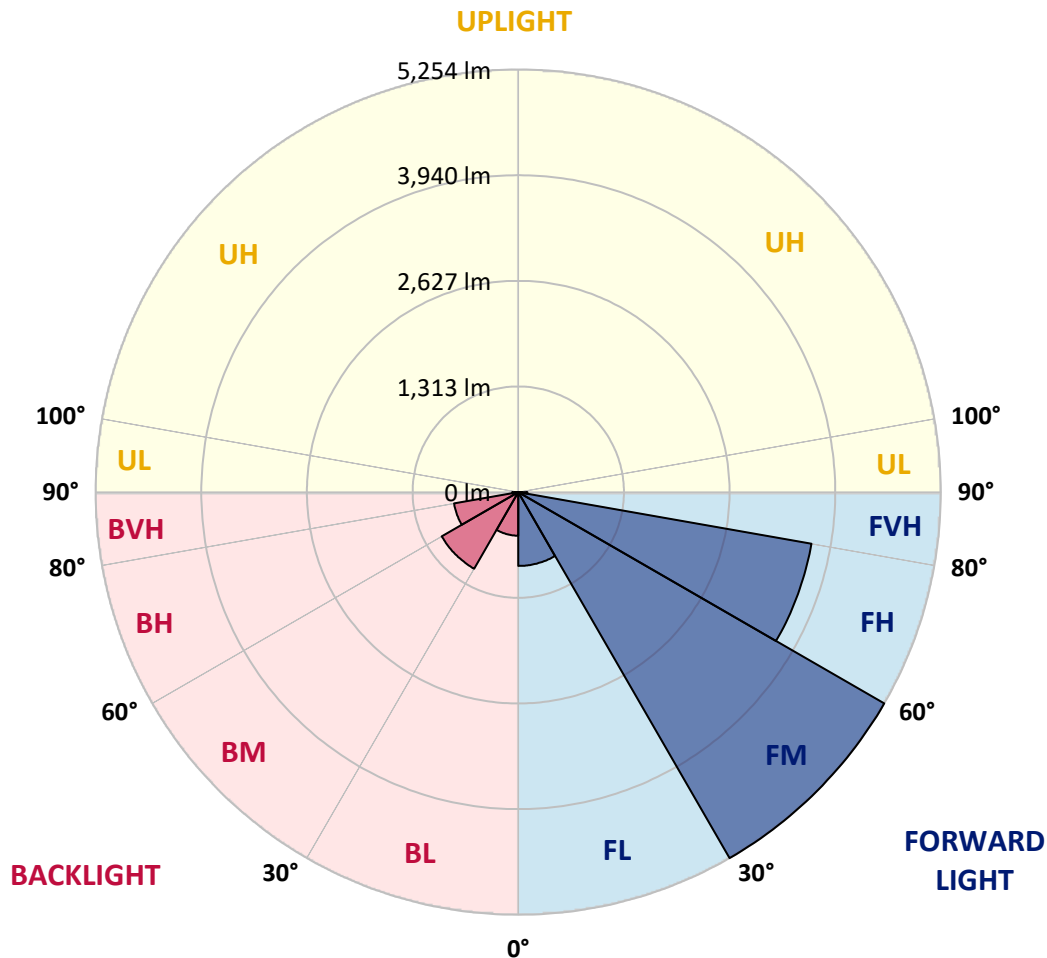
REPORT NUMBER: P476518
 CATALOG NUMBER: IFLD-S-SA3A-730-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	917.3	7.3			
FM (30°-60°)	5254.0	42.0			
FH (60°-80°)	3701.2	29.6			G2/5000
FVH (80°-90°)	114.0	0.9			G2/225
BL (0°-30°)	541.4	4.3	B2/1000		
BM (30°-60°)	1098.6	8.8	B2/2500		
BH (60°-80°)	810.8	6.5	B2/1000		G2/1000
BVH (80°-90°)	76.1	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-G2

Type II Short





REPORT NUMBER: P476518

CATALOG NUMBER: IFLD-S-SA3A-730-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1
2.5°	1680.6	1681.9	1681.9	1676.4	1677.8	1681.9	1666.8	1633.8	1633.8	1628.3	1618.6
5°	1783.8	1776.9	1767.3	1768.7	1763.2	1763.2	1746.6	1715.0	1687.5	1676.4	1647.5
7.5°	1797.6	1804.4	1803.1	1819.6	1827.8	1827.8	1836.1	1810.0	1768.7	1742.5	1713.6
10°	1825.1	1807.2	1805.8	1844.4	1856.7	1885.7	1918.7	1904.9	1870.5	1833.3	1794.8
12.5°	1841.6	1852.6	1852.6	1871.9	1900.8	1943.5	2001.3	2027.4	1973.7	1935.2	1876.0
15°	1866.4	1851.2	1895.3	1911.8	1966.9	1997.1	2079.7	2147.2	2111.4	2064.6	1971.0
17.5°	1877.4	1867.8	1892.5	1922.8	2016.4	2061.8	2162.3	2255.9	2225.6	2195.3	2099.0
20°	1933.8	1932.4	1943.5	1968.2	2035.7	2125.1	2250.4	2379.8	2390.8	2335.7	2205.0
22.5°	2071.5	2053.6	2053.6	2043.9	2072.8	2165.1	2334.4	2513.3	2562.8	2498.1	2324.7
25°	2198.1	2222.9	2207.7	2163.7	2152.7	2200.8	2394.9	2655.1	2721.1	2660.6	2487.1
27.5°	2360.5	2368.8	2394.9	2335.7	2260.0	2275.2	2461.0	2734.9	2871.1	2789.9	2579.4
30°	2594.5	2579.4	2573.8	2507.8	2408.7	2388.0	2536.7	2851.9	3068.0	2953.7	2688.1
32.5°	2752.8	2789.9	2788.6	2697.7	2578.0	2532.6	2630.3	2962.0	3278.6	3172.6	2889.0
35°	3066.6	3105.1	3074.9	2941.3	2801.0	2710.1	2765.2	3105.1	3519.4	3436.8	3059.7
37.5°	3467.1	3558.0	3493.3	3246.9	3048.7	2949.6	2952.4	3260.7	3765.8	3698.4	3242.8
40°	3743.8	3866.3	3776.8	3545.6	3335.0	3241.4	3204.2	3445.1	4060.3	3988.8	3529.1
42.5°	4086.5	4188.4	4141.6	3913.1	3666.7	3586.9	3512.5	3753.4	4510.4	4477.4	3896.6
45°	4460.9	4509.0	4493.9	4349.4	4075.5	4048.0	3884.2	4159.4	5040.3	5054.1	4356.3
47.5°	4809.1	4835.3	4864.2	4759.6	4588.9	4612.3	4312.2	4594.4	5555.1	5645.9	4868.3
50°	4898.6	4988.0	5055.5	5125.7	5162.8	5321.1	4784.3	5128.4	6147.0	6323.1	5438.1
52.5°	4807.7	4800.8	5005.9	5226.1	5597.8	5929.5	5427.1	5791.8	6670.0	7018.2	5959.8
55°	4394.8	4381.0	4711.4	5003.2	5728.5	6268.1	6345.2	6675.5	7301.7	7754.6	6665.9
57.5°	3672.2	3586.9	3947.5	4426.5	5445.0	6305.2	7267.3	7987.2	8273.5	8789.6	7743.6
60°	2467.9	2432.1	2777.6	3348.8	4421.0	5778.1	7819.3	9629.2	9643.0	10223.8	9415.9
62.5°	1519.5	1526.4	1748.0	2176.1	3095.5	4580.6	7581.1	10940.9	10943.7	11525.9	10792.3
65°	993.8	997.9	1176.8	1413.6	1933.8	3106.5	6269.5	11044.1	11848.0	12388.9	11422.7
66°	885.0	886.4	1040.5	1233.2	1602.1	2542.2	5537.2	10775.7	12051.7	12503.1	11414.4
67.5°	746.0	763.9	887.8	1036.4	1249.8	1826.5	4393.4	9999.5	11947.1	12343.5	11155.6
70°	583.6	593.2	690.9	842.3	937.3	1057.1	2611.0	8151.0	10935.4	11578.2	10214.2
72.5°	468.0	476.2	550.6	684.1	761.1	696.5	1421.8	5914.3	8638.2	9323.7	8034.0
75°	395.0	396.4	432.2	538.2	626.3	523.0	757.0	3796.1	5542.7	5862.0	4922.0
77.5°	319.3	324.8	349.6	410.2	503.8	411.5	451.5	2126.5	2783.1	2806.5	2275.2
80°	260.1	262.9	278.0	298.7	384.0	304.2	305.6	1037.8	1193.3	1165.8	924.9
82.5°	205.1	207.8	225.7	221.6	282.2	217.5	189.9	499.6	549.2	538.2	425.3
85°	115.6	115.6	177.6	177.6	178.9	137.6	115.6	235.4	290.4	271.1	199.6
87.5°	37.2	38.5	53.7	56.4	89.5	61.9	56.4	88.1	137.6	121.1	71.6
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: P476518
 CATALOG NUMBER: IFLD-S-SA3A-730-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1	1580.1
2.5°	1613.1	1591.1	1581.5	1549.8	1541.6	1520.9	1511.3	1498.9	1494.8	1476.9	1493.4
5°	1625.5	1618.6	1580.1	1540.2	1509.9	1496.1	1475.5	1448.0	1445.2	1420.4	1417.7
7.5°	1677.8	1654.4	1587.0	1544.3	1483.7	1449.3	1403.9	1390.2	1372.3	1364.0	1381.9
10°	1759.0	1699.8	1599.4	1492.0	1417.7	1376.4	1343.4	1333.7	1335.1	1329.6	1321.3
12.5°	1816.8	1760.4	1578.7	1448.0	1351.6	1311.7	1308.9	1318.6	1333.7	1326.8	1336.5
15°	1899.4	1793.4	1563.6	1375.0	1297.9	1286.9	1285.5	1314.5	1313.1	1313.1	1311.7
17.5°	1976.5	1826.5	1508.5	1311.7	1241.5	1249.8	1259.4	1258.0	1271.8	1277.3	1286.9
20°	2074.2	1865.0	1431.4	1248.4	1198.8	1196.1	1194.7	1196.1	1209.8	1218.1	1211.2
22.5°	2159.6	1873.3	1366.8	1187.8	1147.9	1136.9	1119.0	1136.9	1130.0	1132.8	1141.0
25°	2233.9	1874.6	1274.5	1142.4	1097.0	1072.2	1058.4	1057.1	1044.7	1043.3	1043.3
27.5°	2295.8	1827.8	1193.3	1079.1	1036.4	1013.0	1011.6	996.5	964.8	944.2	947.0
30°	2344.0	1792.1	1136.9	1024.0	982.7	978.6	966.2	931.8	890.5	864.4	864.4
32.5°	2429.3	1720.5	1059.8	967.6	947.0	941.4	912.5	882.3	843.7	819.0	814.8
35°	2492.6	1654.4	1008.9	919.4	909.8	898.8	874.0	841.0	830.0	824.5	828.6
37.5°	2564.2	1580.1	947.0	878.1	887.8	867.1	838.2	823.1	861.6	852.0	856.1
40°	2678.5	1527.8	886.4	853.4	863.0	839.6	802.4	796.9	845.1	810.7	802.4
42.5°	2887.7	1526.4	849.2	816.2	823.1	805.2	772.2	769.4	788.7	747.4	735.0
45°	3147.8	1574.6	821.7	788.7	783.2	780.4	769.4	757.0	740.5	686.8	673.1
47.5°	3458.9	1653.0	816.2	747.4	754.3	777.7	763.9	732.2	689.6	655.2	648.3
50°	3836.0	1815.5	802.4	717.1	729.5	766.6	755.6	711.6	673.1	651.0	646.9
52.5°	4253.0	2020.5	784.5	670.3	697.8	757.0	762.5	721.2	664.8	645.5	642.8
55°	4744.4	2323.3	763.9	619.4	660.7	747.4	762.5	693.7	653.8	653.8	651.0
57.5°	5714.8	2868.4	721.2	572.6	627.6	729.5	740.5	695.1	655.2	655.2	649.7
60°	7138.0	3719.0	640.0	536.8	596.0	704.7	724.0	674.4	640.0	648.3	646.9
62.5°	8251.5	3977.8	571.2	502.4	564.3	659.3	702.0	652.4	622.1	652.4	655.2
65°	8489.6	3716.2	501.0	465.2	520.3	615.2	670.3	620.8	596.0	655.2	657.9
66°	8404.2	3512.5	476.2	454.2	501.0	593.2	651.0	609.7	582.2	652.4	653.8
67.5°	8024.3	3207.0	448.7	430.8	474.9	561.6	629.0	594.6	560.2	644.1	631.8
70°	7198.5	2719.7	401.9	389.5	437.7	509.3	578.1	556.1	525.8	593.2	571.2
72.5°	5544.1	2173.3	352.4	353.7	395.0	455.6	527.2	512.0	485.9	520.3	506.5
75°	3376.3	1388.8	306.9	309.7	344.1	404.7	479.0	468.0	436.3	455.6	448.7
77.5°	1496.1	688.2	258.8	264.3	291.8	356.5	417.0	399.2	366.1	370.2	367.5
80°	580.8	326.2	210.6	217.5	235.4	284.9	345.5	329.0	300.1	294.5	291.8
82.5°	279.4	181.7	162.4	165.2	172.0	227.1	297.3	276.7	238.1	213.3	213.3
85°	140.4	112.9	114.2	104.6	114.2	154.2	201.0	167.9	139.0	123.9	126.6
87.5°	56.4	56.4	56.4	48.2	50.9	72.9	93.6	63.3	57.8	34.4	34.4
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)