

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: P510935

Luminaire Tested: **USSL-P-C016-D-U-T2-7050-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510935
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-3)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-P-C016-D-U-T2-7050-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 5000K, 880mA LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6409 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 49.1
Input Voltage (V): NR
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



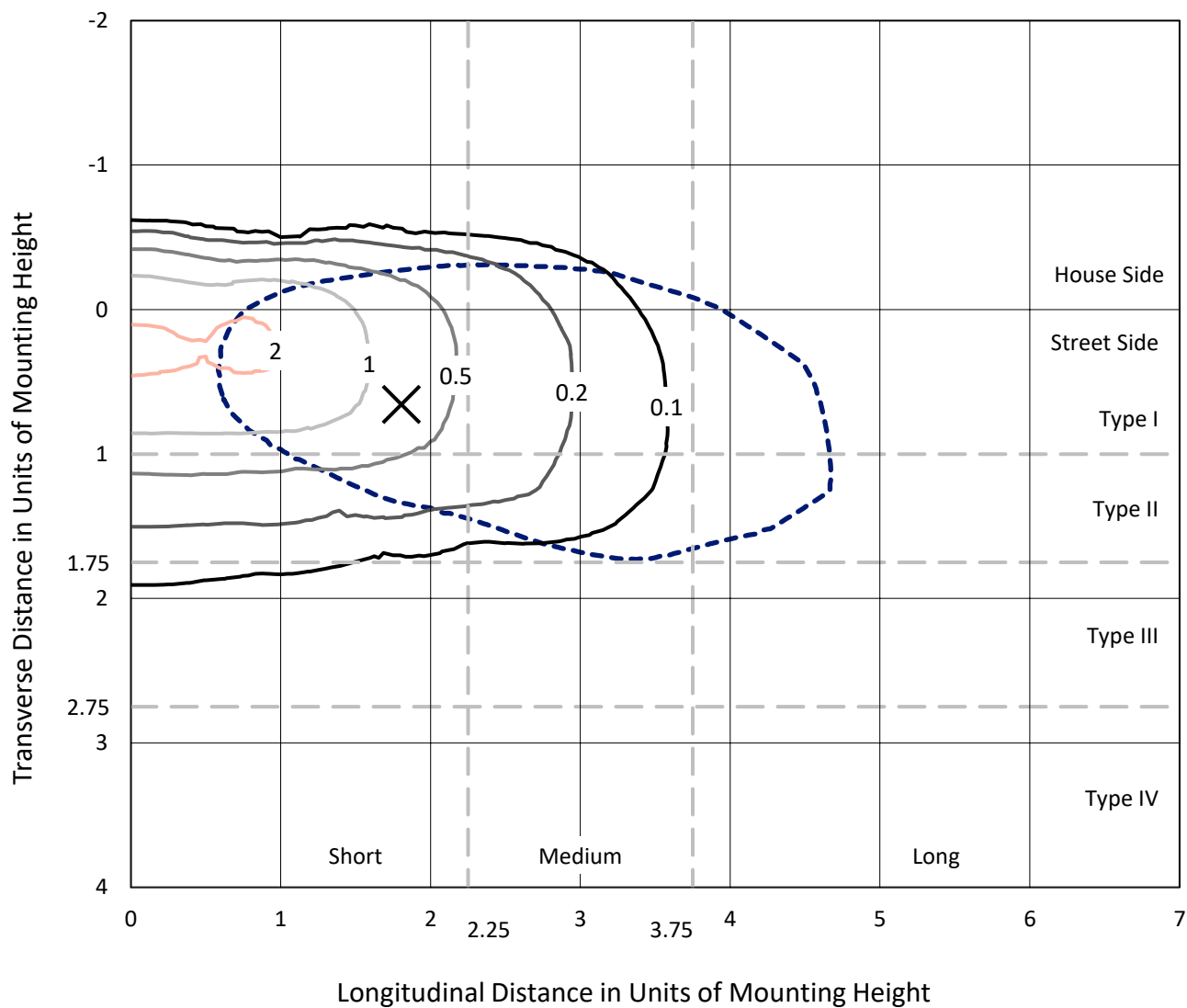
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

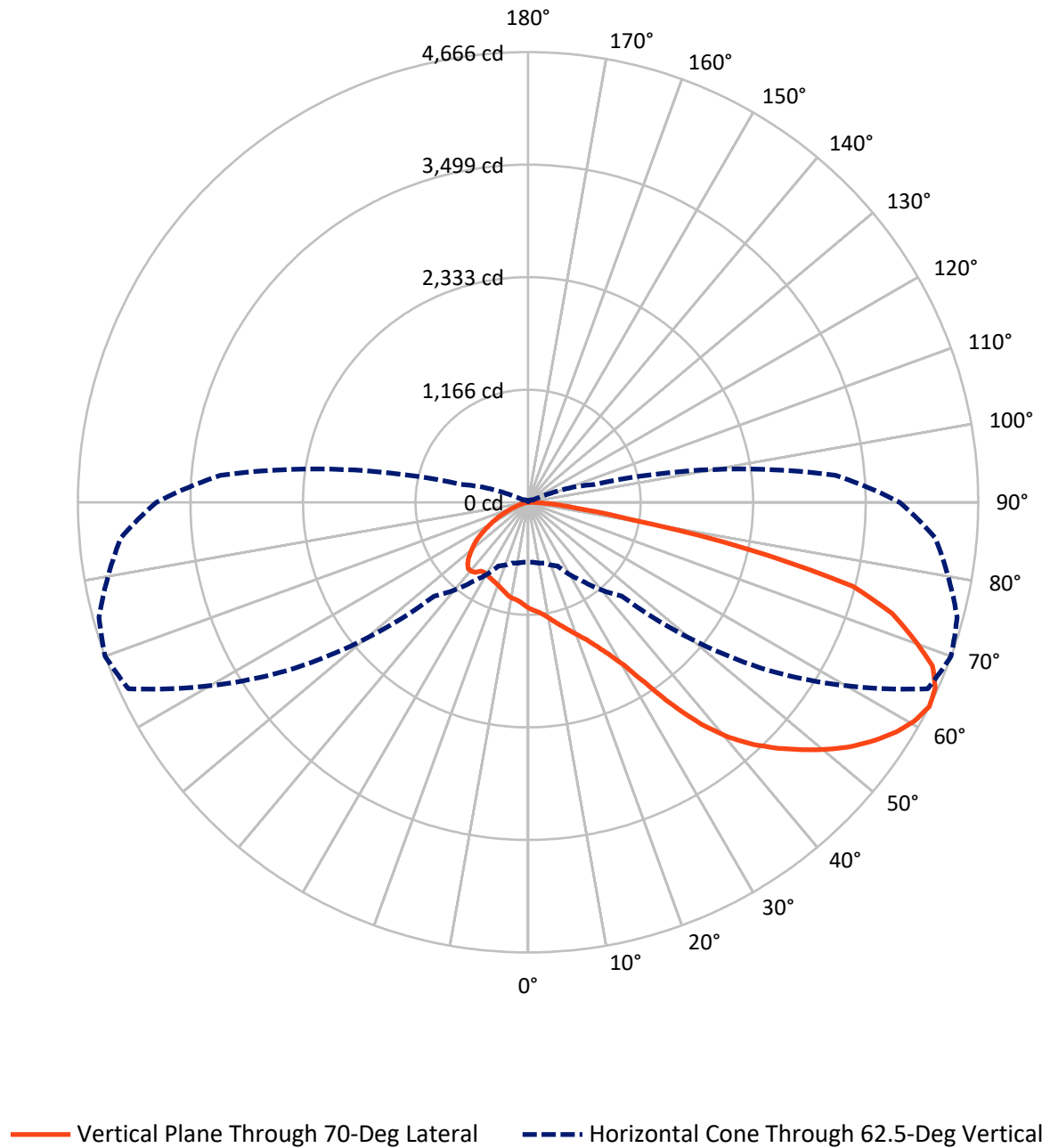
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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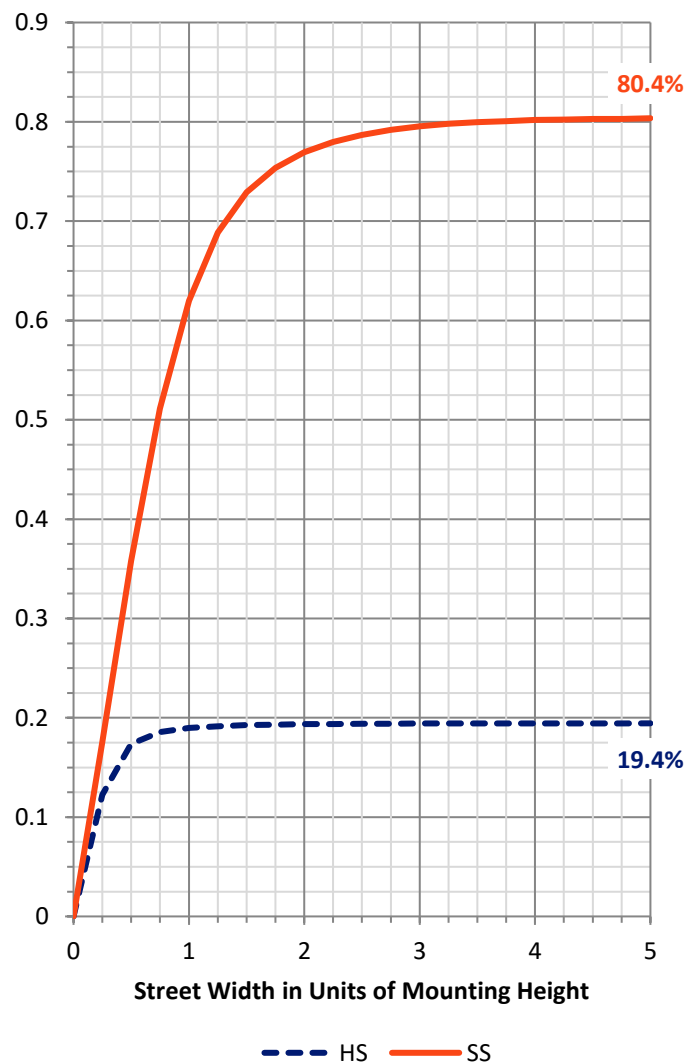
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1260.7	0.0	1260.7
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	5148.3	0.0	5148.3
	% Fixture	80.3	0.0	80.3
Total	Lumens	6409.0	0.0	6409.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.5	1.6
10°-20°	314.3	4.9
20°-30°	531.3	8.3
30°-40°	814.5	12.7
40°-50°	1135.8	17.7
50°-60°	1323.0	20.6
60°-70°	1299.6	20.3
70°-80°	781.9	12.2
80°-90°	104.2	1.6
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°	6409.0	100.0
0°-180°	6409.0	100.0

Coefficient of Utilization



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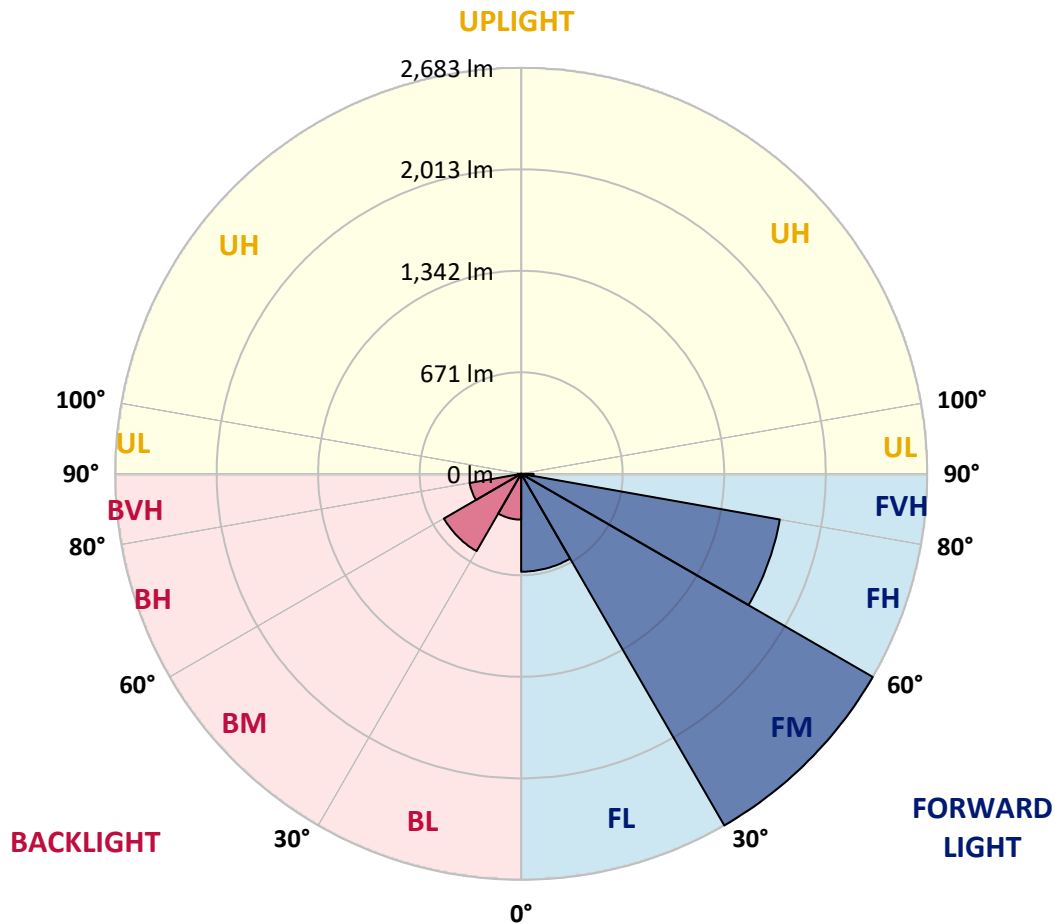
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	646.9	10.1			
FM	(30°-60°)	2683.4	41.9			
FH	(60°-80°)	1735.7	27.1			G1/1800
FVH	(80°-90°)	82.3	1.3			G1/100
BL	(0°-30°)	303.1	4.7	B1/500		
BM	(30°-60°)	589.9	9.2	B1/1000		
BH	(60°-80°)	345.9	5.4	B1/500		G1/500
BVH	(80°-90°)	21.9	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1097.3	1097.3	1097.3	1097.3	1097.3	1097.3	1097.3	1097.3	1097.3	1097.3	1097.3
2.5°	1174.7	1174.7	1170.4	1164.6	1158.9	1151.7	1140.3	1128.8	1121.6	1115.9	1101.6
5°	1256.3	1253.4	1244.8	1229.1	1210.5	1194.7	1176.1	1153.2	1143.1	1130.2	1104.5
7.5°	1323.6	1322.2	1312.2	1302.1	1286.4	1264.9	1230.5	1190.4	1177.5	1160.3	1118.8
10°	1388.1	1388.1	1380.9	1369.5	1352.3	1332.2	1300.7	1256.3	1224.8	1197.6	1141.7
12.5°	1444.0	1444.0	1433.9	1423.9	1408.2	1386.7	1356.6	1309.3	1276.4	1246.3	1166.1
15°	1504.1	1499.8	1489.8	1484.1	1461.2	1442.5	1415.3	1365.2	1335.1	1295.0	1194.7
17.5°	1564.3	1558.6	1545.7	1539.9	1521.3	1499.8	1476.9	1432.5	1396.7	1350.9	1234.8
20°	1610.1	1607.3	1598.7	1597.2	1587.2	1561.4	1545.7	1501.3	1466.9	1415.3	1279.2
22.5°	1663.1	1661.7	1657.4	1650.2	1653.1	1645.9	1624.5	1585.8	1545.7	1498.4	1342.3
25°	1686.1	1687.5	1696.1	1713.3	1726.2	1724.7	1711.8	1683.2	1651.7	1595.8	1419.6
27.5°	1698.9	1698.9	1713.3	1757.7	1812.1	1816.4	1810.7	1806.4	1780.6	1719.0	1524.2
30°	1701.8	1703.2	1731.9	1792.1	1879.4	1918.1	1932.4	1962.5	1956.8	1916.7	1684.6
32.5°	1677.5	1680.3	1720.4	1807.8	1928.1	2014.1	2061.4	2196.0	2231.8	2234.7	2022.7
35°	1591.5	1594.4	1663.1	1792.1	1965.4	2110.1	2226.1	2468.2	2578.5	2601.4	2346.4
37.5°	1507.0	1518.5	1598.7	1762.0	1989.7	2201.8	2409.5	2793.4	2919.4	2903.7	2604.3
40°	1438.2	1446.8	1528.5	1711.8	1991.2	2289.1	2604.3	3077.0	3200.2	3151.5	2832.1
42.5°	1358.0	1365.2	1442.5	1645.9	1971.1	2362.2	2781.9	3346.3	3432.3	3382.1	3044.1
45°	1264.9	1273.5	1352.3	1547.1	1929.6	2409.5	2940.9	3555.5	3637.1	3595.6	3237.5
47.5°	1184.7	1191.8	1264.9	1444.0	1849.4	2422.4	3097.1	3780.4	3831.9	3778.9	3410.8
50°	928.3	971.2	1164.6	1352.3	1723.3	2395.1	3226.0	3972.3	4023.9	3973.8	3571.2
52.5°	816.5	820.8	899.6	1254.9	1568.6	2316.4	3324.8	4139.9	4204.4	4138.5	3746.0
55°	762.1	766.4	806.5	1091.6	1438.2	2184.6	3390.7	4309.0	4356.2	4280.3	3900.7
57.5°	714.8	723.4	765.0	868.1	1306.4	1946.8	3390.7	4449.4	4495.2	4403.5	4028.2
60°	661.8	667.5	716.3	790.7	1160.3	1628.8	3267.5	4555.4	4602.6	4522.4	4150.0
62.5°	618.8	624.6	653.2	729.1	1002.8	1373.8	3034.0	4571.1	4665.7	4604.1	4237.3
65°	565.8	570.1	603.1	669.0	898.2	1197.6	2721.8	4488.0	4638.4	4627.0	4286.0
67.5°	499.9	508.5	541.5	600.2	776.4	1055.8	2234.7	4389.2	4521.0	4529.6	4181.5
70°	418.3	424.0	458.4	520.0	650.4	889.6	1658.8	4134.2	4238.8	4307.5	3955.1
72.5°	328.0	333.8	369.6	426.9	525.7	739.2	1219.1	3731.7	3948.0	3992.4	3534.0
75°	47.3	60.2	118.9	232.1	421.2	573.0	800.8	2866.4	3481.0	3511.1	2989.6
77.5°	28.7	30.1	45.8	71.6	126.1	383.9	532.9	1466.9	2314.9	2714.6	2337.8
80°	21.5	22.9	35.8	55.9	81.7	108.9	257.9	806.5	1078.7	1519.9	1548.5
82.5°	11.5	12.9	24.4	40.1	50.1	47.3	108.9	352.4	498.5	636.0	779.3
85°	7.2	7.2	12.9	21.5	20.1	24.4	50.1	183.4	282.2	361.0	389.6
87.5°	2.9	2.9	4.3	7.2	7.2	5.7	8.6	43.0	55.9	68.8	43.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1097.3	1097.3	1097.3	1097.3	1097.3	1097.3	1097.3	1097.3	1097.3	1097.3	1097.3
2.5°	1094.4	1087.3	1074.4	1058.6	1045.7	1035.7	1028.5	1024.2	1017.1	1019.9	1022.8
5°	1090.1	1075.8	1048.6	1022.8	998.5	978.4	959.8	946.9	936.9	932.6	931.1
7.5°	1097.3	1074.4	1034.3	997.0	961.2	924.0	902.5	876.7	862.4	859.5	856.6
10°	1111.6	1085.8	1034.3	979.8	925.4	875.3	836.6	809.4	786.4	776.4	772.1
12.5°	1125.9	1088.7	1022.8	952.6	881.0	819.4	769.3	726.3	701.9	699.1	691.9
15°	1144.6	1097.3	1004.2	916.8	829.4	753.5	699.1	660.4	633.2	628.9	627.4
17.5°	1171.8	1111.6	992.7	881.0	779.3	691.9	643.2	616.0	574.4	573.0	565.8
20°	1206.2	1136.0	989.9	842.3	729.1	640.3	590.2	564.4	520.0	501.4	498.5
22.5°	1254.9	1167.5	988.4	809.4	683.3	595.9	535.8	489.9	441.2	399.7	391.1
25°	1313.6	1206.2	991.3	782.1	638.9	547.2	458.4	375.3	325.2	287.9	273.6
27.5°	1388.1	1257.7	995.6	754.9	594.5	482.8	356.7	267.9	223.5	199.1	193.4
30°	1517.0	1330.8	1001.3	726.3	547.2	389.6	245.0	193.4	156.1	128.9	128.9
32.5°	1783.5	1528.5	1012.8	699.1	489.9	289.4	177.6	131.8	97.4	83.1	86.0
35°	2090.0	1797.8	1065.8	661.8	412.6	192.0	120.3	80.2	61.6	64.5	67.3
37.5°	2342.1	2006.9	1191.8	624.6	310.9	134.7	73.1	55.9	55.9	57.3	67.3
40°	2551.3	2208.9	1280.7	571.6	204.8	83.1	47.3	51.6	48.7	50.1	47.3
42.5°	2761.9	2378.0	1350.9	501.4	131.8	50.1	43.0	48.7	45.8	45.8	40.1
45°	2939.5	2531.2	1386.7	399.7	74.5	41.5	40.1	45.8	44.4	43.0	37.2
47.5°	3112.8	2677.3	1403.9	276.5	47.3	37.2	37.2	41.5	41.5	35.8	32.9
50°	3274.7	2803.4	1395.3	151.8	44.4	35.8	37.2	34.4	35.8	28.7	25.8
52.5°	3430.8	2912.3	1326.5	91.7	41.5	35.8	32.9	30.1	28.7	21.5	21.5
55°	3559.8	3002.5	1200.4	71.6	41.5	34.4	30.1	25.8	22.9	17.2	18.6
57.5°	3674.4	3094.2	1030.0	65.9	43.0	32.9	27.2	22.9	18.6	14.3	12.9
60°	3784.7	3174.4	868.1	60.2	44.4	32.9	22.9	18.6	12.9	11.5	10.0
62.5°	3852.0	3200.2	719.1	54.4	44.4	30.1	21.5	15.8	10.0	8.6	7.2
65°	3836.2	3138.6	564.4	51.6	43.0	27.2	18.6	12.9	8.6	5.7	5.7
67.5°	3687.3	2925.2	409.7	50.1	41.5	27.2	17.2	10.0	7.2	4.3	4.3
70°	3353.5	2607.2	282.2	45.8	37.2	22.9	17.2	8.6	5.7	4.3	2.9
72.5°	2935.2	2306.3	189.1	40.1	30.1	17.2	10.0	7.2	4.3	2.9	2.9
75°	2514.0	1832.2	130.4	31.5	22.9	14.3	7.2	5.7	4.3	2.9	1.4
77.5°	1888.0	1320.8	97.4	24.4	17.2	8.6	4.3	2.9	2.9	1.4	1.4
80°	1303.6	908.2	75.9	12.9	5.7	4.3	2.9	2.9	1.4	1.4	1.4
82.5°	697.6	484.2	47.3	8.6	2.9	2.9	1.4	1.4	1.4	1.4	1.4
85°	330.9	196.3	15.8	4.3	2.9	1.4	1.4	1.4	1.4	1.4	1.4
87.5°	32.9	10.0	4.3	2.9	2.9	1.4	0.0	1.4	1.4	1.4	1.4
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)