

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: P510933

Luminaire Tested: **USSL-P-C016-D-U-T2-7030-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510933
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-T2-7030-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 880mA LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6180 lumens
Efficiency: N/A
Efficacy: 125.9 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



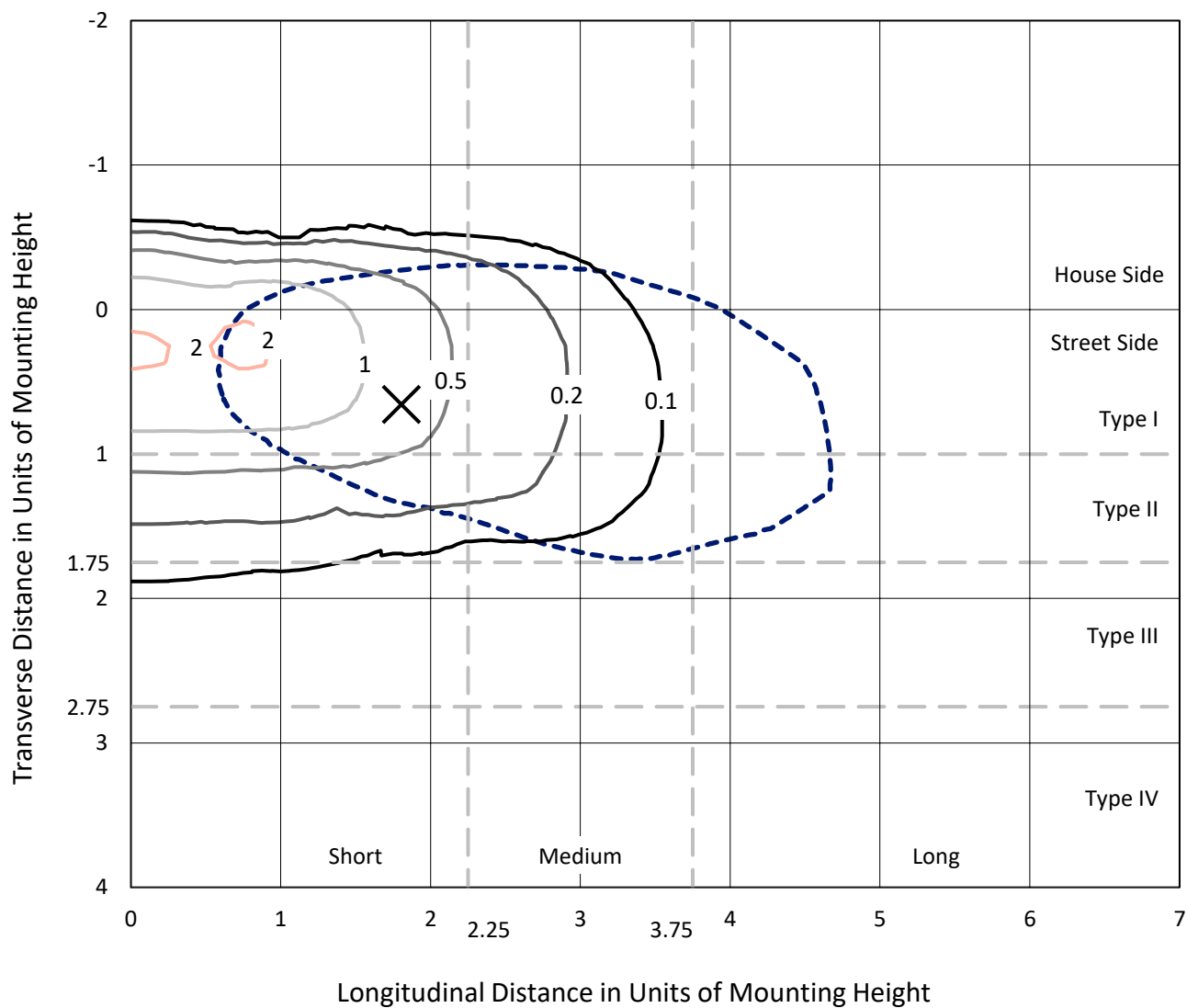
REPORT NUMBER: P510933

CATALOG NUMBER: USSL-P-C016-D-U-T2-7030-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

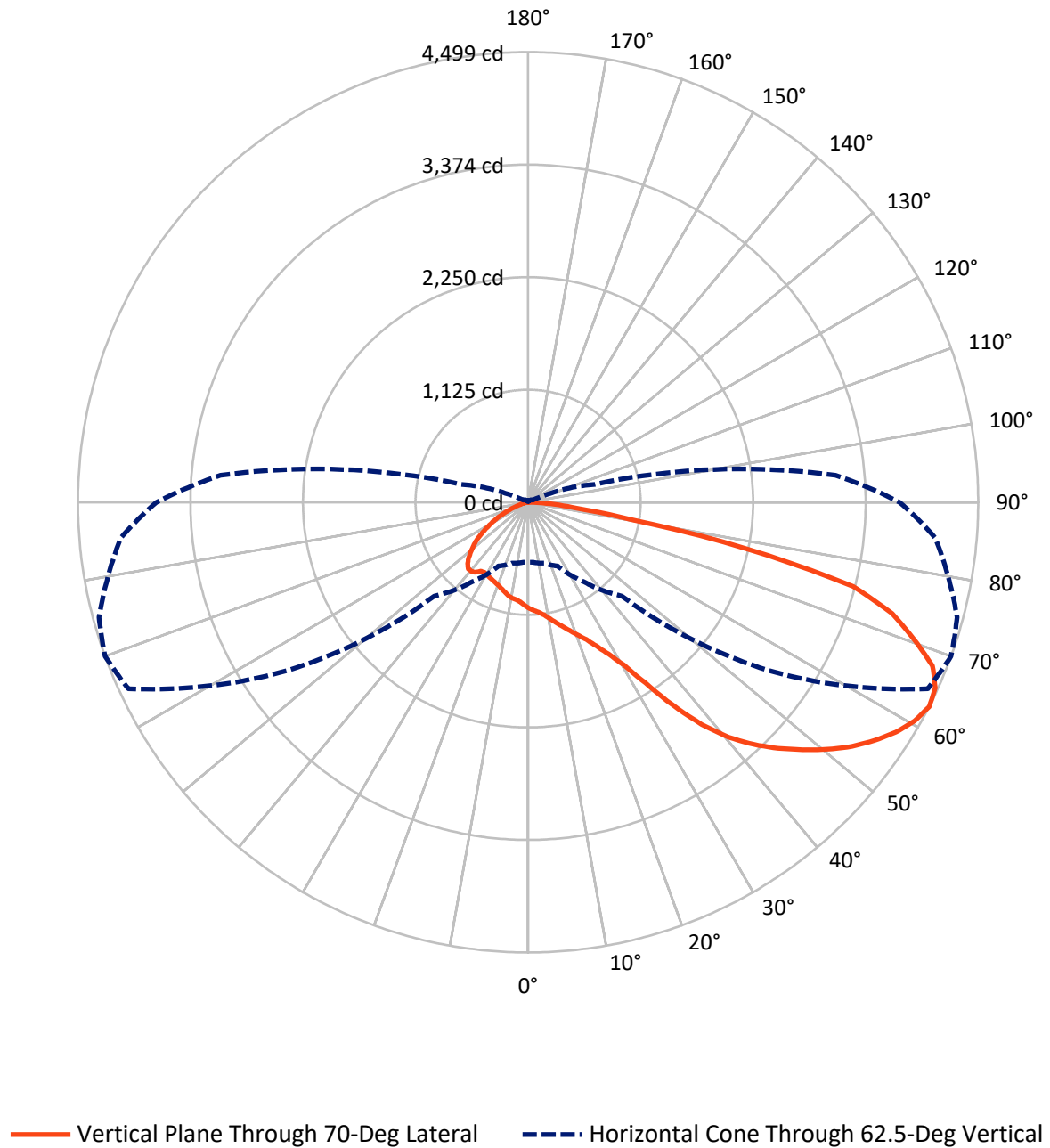


Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Short - N/A

REPORT NUMBER: P510933

CATALOG NUMBER: USSL-P-C016-D-U-T2-7030-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P510933

CATALOG NUMBER: USSL-P-C016-D-U-T2-7030-HSS

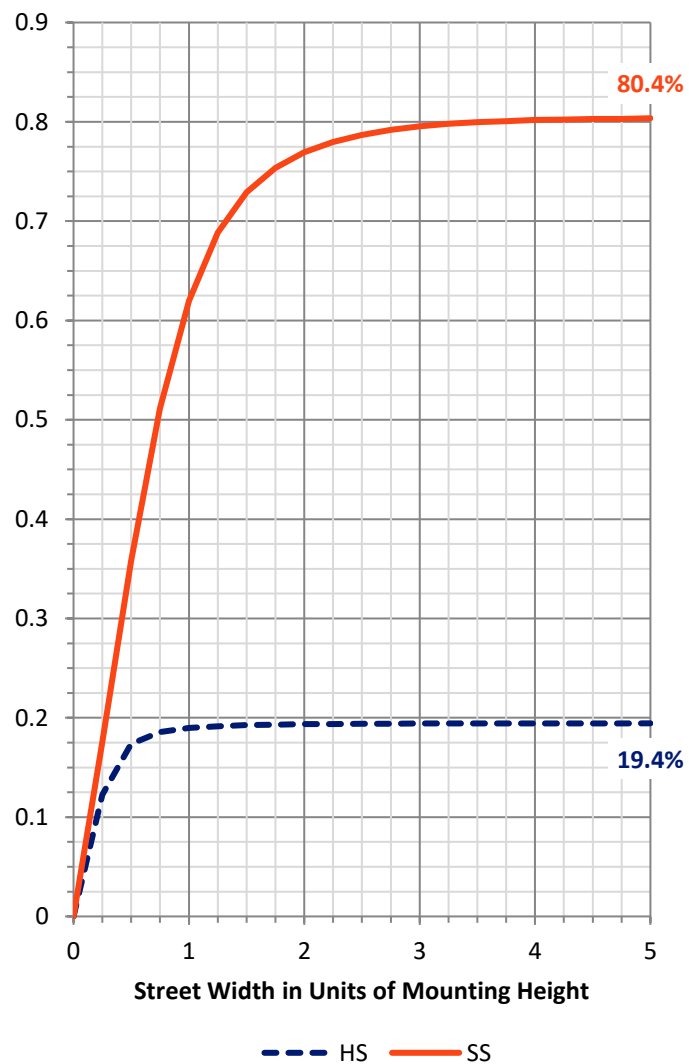
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1215.7	0.0	1215.7
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	4964.3	0.0	4964.3
	% Fixture	80.3	0.0	80.3
Total	Lumens	6180.0	0.0	6180.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.7	1.6
10°-20°	303.0	4.9
20°-30°	512.3	8.3
30°-40°	785.4	12.7
40°-50°	1095.2	17.7
50°-60°	1275.7	20.6
60°-70°	1253.2	20.3
70°-80°	754.0	12.2
80°-90°	100.5	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°	6180.0	100.0
0°-180°	6180.0	100.0

Coefficient of Utilization



REPORT NUMBER: P510933

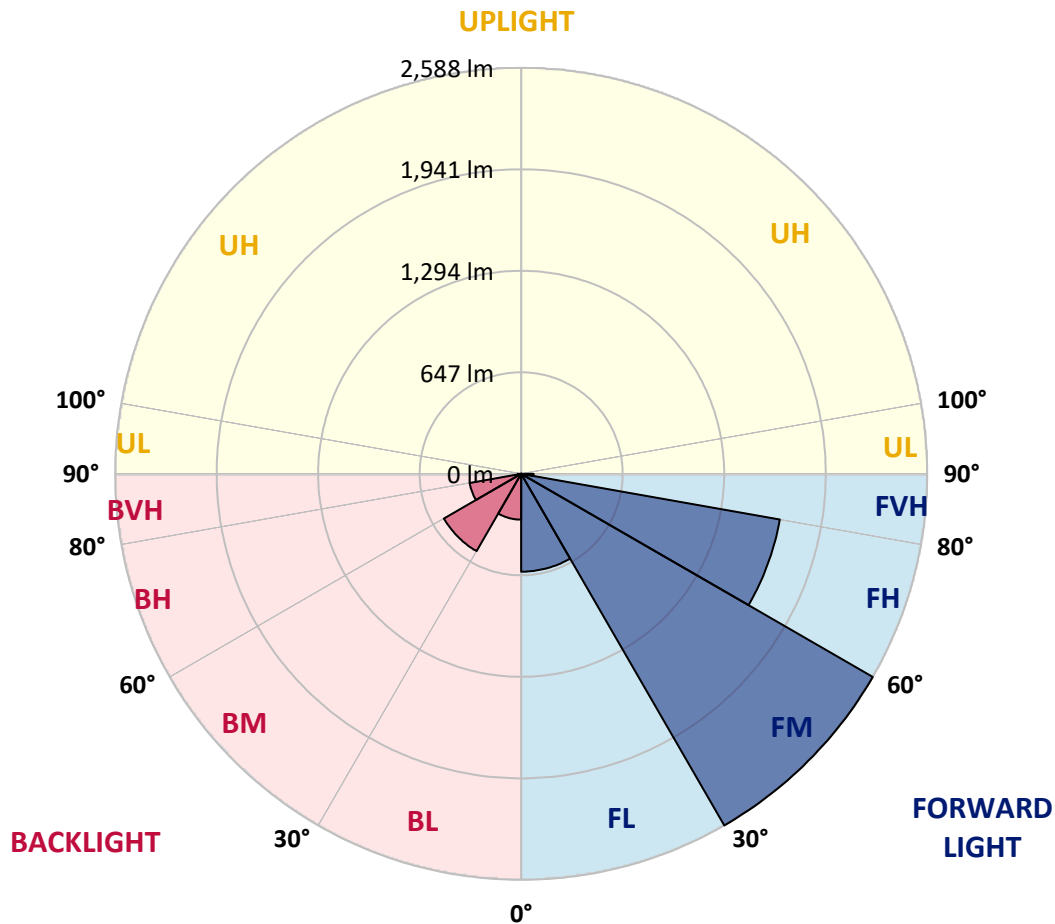
CATALOG NUMBER: USSL-P-C016-D-U-T2-7030-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	623.8	10.1			
FM	(30°-60°)	2587.5	41.9			
FH	(60°-80°)	1673.6	27.1			G1/1800
FVH	(80°-90°)	79.3	1.3			G1/100
BL	(0°-30°)	292.2	4.7	B1/500		
BM	(30°-60°)	568.8	9.2	B1/1000		
BH	(60°-80°)	333.5	5.4	B1/500		G1/500
BVH	(80°-90°)	21.2	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



REPORT NUMBER: P510933

CATALOG NUMBER: USSL-P-C016-D-U-T2-7030-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1058.1	1058.1	1058.1	1058.1	1058.1	1058.1	1058.1	1058.1	1058.1	1058.1	1058.1
2.5°	1132.7	1132.7	1128.5	1123.0	1117.5	1110.6	1099.5	1088.5	1081.6	1076.0	1062.2
5°	1211.4	1208.7	1200.4	1185.2	1167.2	1152.0	1134.1	1112.0	1102.3	1089.9	1065.0
7.5°	1276.3	1275.0	1265.3	1255.6	1240.4	1219.7	1186.6	1147.9	1135.4	1118.9	1078.8
10°	1338.5	1338.5	1331.6	1320.5	1304.0	1284.6	1254.2	1211.4	1181.0	1154.8	1100.9
12.5°	1392.4	1392.4	1382.7	1373.0	1357.8	1337.1	1308.1	1262.5	1230.8	1201.7	1124.4
15°	1450.4	1446.2	1436.6	1431.0	1408.9	1391.0	1364.7	1316.4	1287.4	1248.7	1152.0
17.5°	1508.4	1502.9	1490.4	1484.9	1467.0	1446.2	1424.1	1381.3	1346.8	1302.6	1190.7
20°	1552.6	1549.8	1541.6	1540.2	1530.5	1505.6	1490.4	1447.6	1414.5	1364.7	1233.5
22.5°	1603.7	1602.3	1598.2	1591.3	1594.0	1587.1	1566.4	1529.1	1490.4	1444.9	1294.3
25°	1625.8	1627.2	1635.5	1652.1	1664.5	1663.1	1650.7	1623.0	1592.7	1538.8	1368.9
27.5°	1638.2	1638.2	1652.1	1694.9	1747.4	1751.5	1746.0	1741.8	1717.0	1657.6	1469.7
30°	1641.0	1642.4	1670.0	1728.0	1812.3	1849.6	1863.4	1892.4	1886.9	1848.2	1624.4
32.5°	1617.5	1620.3	1659.0	1743.2	1859.3	1942.1	1987.7	2117.6	2152.1	2154.9	1950.4
35°	1534.6	1537.4	1603.7	1728.0	1895.2	2034.7	2146.6	2380.0	2486.4	2508.5	2262.6
37.5°	1453.1	1464.2	1541.6	1699.0	1918.7	2123.1	2323.4	2693.6	2815.1	2799.9	2511.2
40°	1386.8	1395.1	1473.9	1650.7	1920.0	2207.3	2511.2	2967.1	3085.9	3038.9	2730.9
42.5°	1309.5	1316.4	1391.0	1587.1	1900.7	2277.8	2682.5	3226.8	3309.6	3261.3	2935.3
45°	1219.7	1228.0	1304.0	1491.8	1860.6	2323.4	2835.8	3428.4	3507.2	3467.1	3121.8
47.5°	1142.3	1149.3	1219.7	1392.4	1783.3	2335.8	2986.4	3645.3	3695.0	3643.9	3288.9
50°	895.1	936.5	1123.0	1304.0	1661.7	2309.6	3110.7	3830.4	3880.1	3831.8	3443.6
52.5°	787.4	791.5	867.5	1210.0	1512.5	2233.6	3206.0	3992.0	4054.2	3990.6	3612.1
55°	734.9	739.0	777.7	1052.6	1386.8	2106.5	3269.6	4155.0	4200.6	4127.4	3761.3
57.5°	689.3	697.6	737.6	837.1	1259.8	1877.2	3269.6	4290.4	4334.6	4246.2	3884.3
60°	638.2	643.7	690.7	762.5	1118.9	1570.6	3150.8	4392.6	4438.2	4360.8	4001.7
62.5°	596.7	602.3	629.9	703.1	966.9	1324.7	2925.6	4407.8	4499.0	4439.6	4085.9
65°	545.6	549.8	581.5	645.1	866.1	1154.8	2624.5	4327.7	4472.7	4461.7	4132.9
67.5°	482.1	490.4	522.1	578.8	748.7	1018.0	2154.9	4232.4	4359.4	4367.7	4032.1
70°	403.3	408.9	442.0	501.4	627.1	857.8	1599.6	3986.5	4087.3	4153.6	3813.8
72.5°	316.3	321.8	356.4	411.6	506.9	712.8	1175.5	3598.3	3806.9	3849.7	3407.7
75°	45.6	58.0	114.6	223.8	406.1	552.5	772.2	2764.0	3356.6	3385.6	2882.8
77.5°	27.6	29.0	44.2	69.1	121.6	370.2	513.9	1414.5	2232.2	2617.6	2254.3
80°	20.7	22.1	34.5	53.9	78.7	105.0	248.6	777.7	1040.1	1465.6	1493.2
82.5°	11.1	12.4	23.5	38.7	48.3	45.6	105.0	339.8	480.7	613.3	751.4
85°	6.9	6.9	12.4	20.7	19.3	23.5	48.3	176.8	272.1	348.1	375.7
87.5°	2.8	2.8	4.1	6.9	6.9	5.5	8.3	41.4	53.9	66.3	41.4
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: P510933

CATALOG NUMBER: USSL-P-C016-D-U-T2-7030-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1058.1	1058.1	1058.1	1058.1	1058.1	1058.1	1058.1	1058.1	1058.1	1058.1	1058.1
2.5°	1055.3	1048.4	1036.0	1020.8	1008.4	998.7	991.8	987.6	980.7	983.5	986.3
5°	1051.2	1037.4	1011.1	986.3	962.8	943.4	925.5	913.1	903.4	899.2	897.9
7.5°	1058.1	1036.0	997.3	961.4	926.9	891.0	870.2	845.4	831.6	828.8	826.0
10°	1071.9	1047.0	997.3	944.8	892.3	844.0	806.7	780.4	758.3	748.7	744.5
12.5°	1085.7	1049.8	986.3	918.6	849.5	790.1	741.8	700.3	676.8	674.1	667.2
15°	1103.7	1058.1	968.3	884.0	799.8	726.6	674.1	636.8	610.5	606.4	605.0
17.5°	1129.9	1071.9	957.3	849.5	751.4	667.2	620.2	594.0	553.9	552.5	545.6
20°	1163.1	1095.4	954.5	812.2	703.1	617.4	569.1	544.2	501.4	483.5	480.7
22.5°	1210.0	1125.8	953.1	780.4	658.9	574.6	516.6	472.4	425.4	385.4	377.1
25°	1266.7	1163.1	955.9	754.2	616.1	527.7	442.0	361.9	313.6	277.6	263.8
27.5°	1338.5	1212.8	960.0	728.0	573.2	465.5	343.9	258.3	215.5	192.0	186.5
30°	1462.8	1283.2	965.5	700.3	527.7	375.7	236.2	186.5	150.6	124.3	124.3
32.5°	1719.7	1473.9	976.6	674.1	472.4	279.0	171.3	127.1	93.9	80.1	82.9
35°	2015.3	1733.6	1027.7	638.2	397.8	185.1	116.0	77.4	59.4	62.2	64.9
37.5°	2258.5	1935.2	1149.3	602.3	299.7	129.8	70.4	53.9	53.9	55.3	64.9
40°	2460.1	2130.0	1234.9	551.1	197.5	80.1	45.6	49.7	47.0	48.3	45.6
42.5°	2663.2	2293.0	1302.6	483.5	127.1	48.3	41.4	47.0	44.2	44.2	38.7
45°	2834.5	2440.8	1337.1	385.4	71.8	40.1	38.7	44.2	42.8	41.4	35.9
47.5°	3001.6	2581.7	1353.7	266.6	45.6	35.9	35.9	40.1	40.1	34.5	31.8
50°	3157.7	2703.2	1345.4	146.4	42.8	34.5	35.9	33.2	34.5	27.6	24.9
52.5°	3308.3	2808.2	1279.1	88.4	40.1	34.5	31.8	29.0	27.6	20.7	20.7
55°	3432.6	2895.2	1157.5	69.1	40.1	33.2	29.0	24.9	22.1	16.6	18.0
57.5°	3543.1	2983.6	993.2	63.5	41.4	31.8	26.2	22.1	18.0	13.8	12.4
60°	3649.4	3061.0	837.1	58.0	42.8	31.8	22.1	18.0	12.4	11.1	9.7
62.5°	3714.4	3085.9	693.4	52.5	42.8	29.0	20.7	15.2	9.7	8.3	6.9
65°	3699.2	3026.5	544.2	49.7	41.4	26.2	18.0	12.4	8.3	5.5	5.5
67.5°	3555.5	2820.7	395.1	48.3	40.1	26.2	16.6	9.7	6.9	4.1	4.1
70°	3233.7	2514.0	272.1	44.2	35.9	22.1	16.6	8.3	5.5	4.1	2.8
72.5°	2830.3	2223.9	182.3	38.7	29.0	16.6	9.7	6.9	4.1	2.8	2.8
75°	2424.2	1766.7	125.7	30.4	22.1	13.8	6.9	5.5	4.1	2.8	1.4
77.5°	1820.6	1273.6	93.9	23.5	16.6	8.3	4.1	2.8	2.8	1.4	1.4
80°	1257.0	875.8	73.2	12.4	5.5	4.1	2.8	2.8	1.4	1.4	1.4
82.5°	672.7	466.9	45.6	8.3	2.8	2.8	1.4	1.4	1.4	1.4	1.4
85°	319.1	189.2	15.2	4.1	2.8	1.4	1.4	1.4	1.4	1.4	1.4
87.5°	31.8	9.7	4.1	2.8	2.8	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)