

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: P510945

Luminaire Tested: **USSL-P-C016-D-U-T3-7030-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510945
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-5)
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-T3-7030-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 880mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6086 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

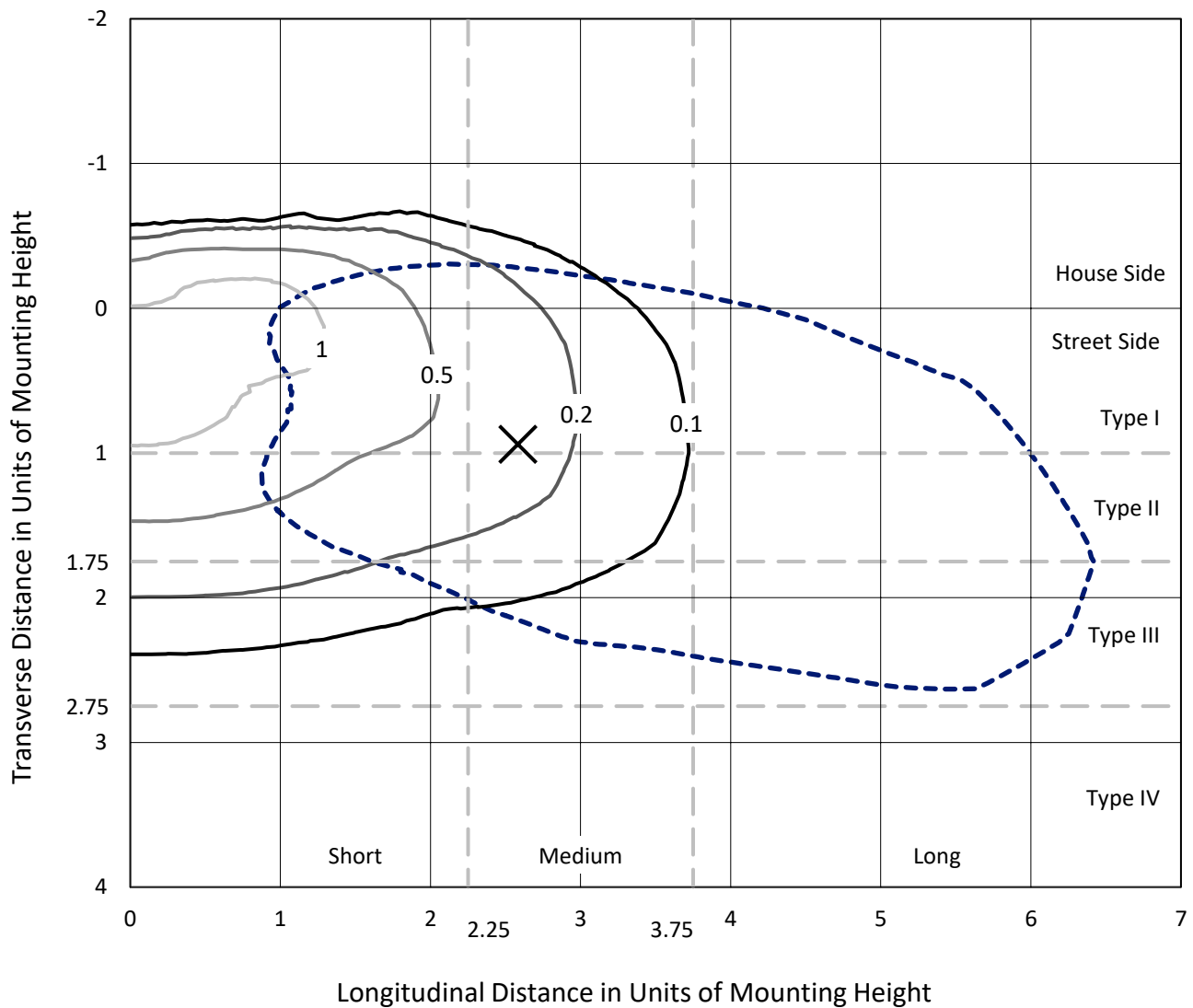


REPORT NUMBER: P510945

CATALOG NUMBER: USSLP-C016-D-U-T3-7030-HSS

Iso-Footcandle Lines of Horizontal Illumination

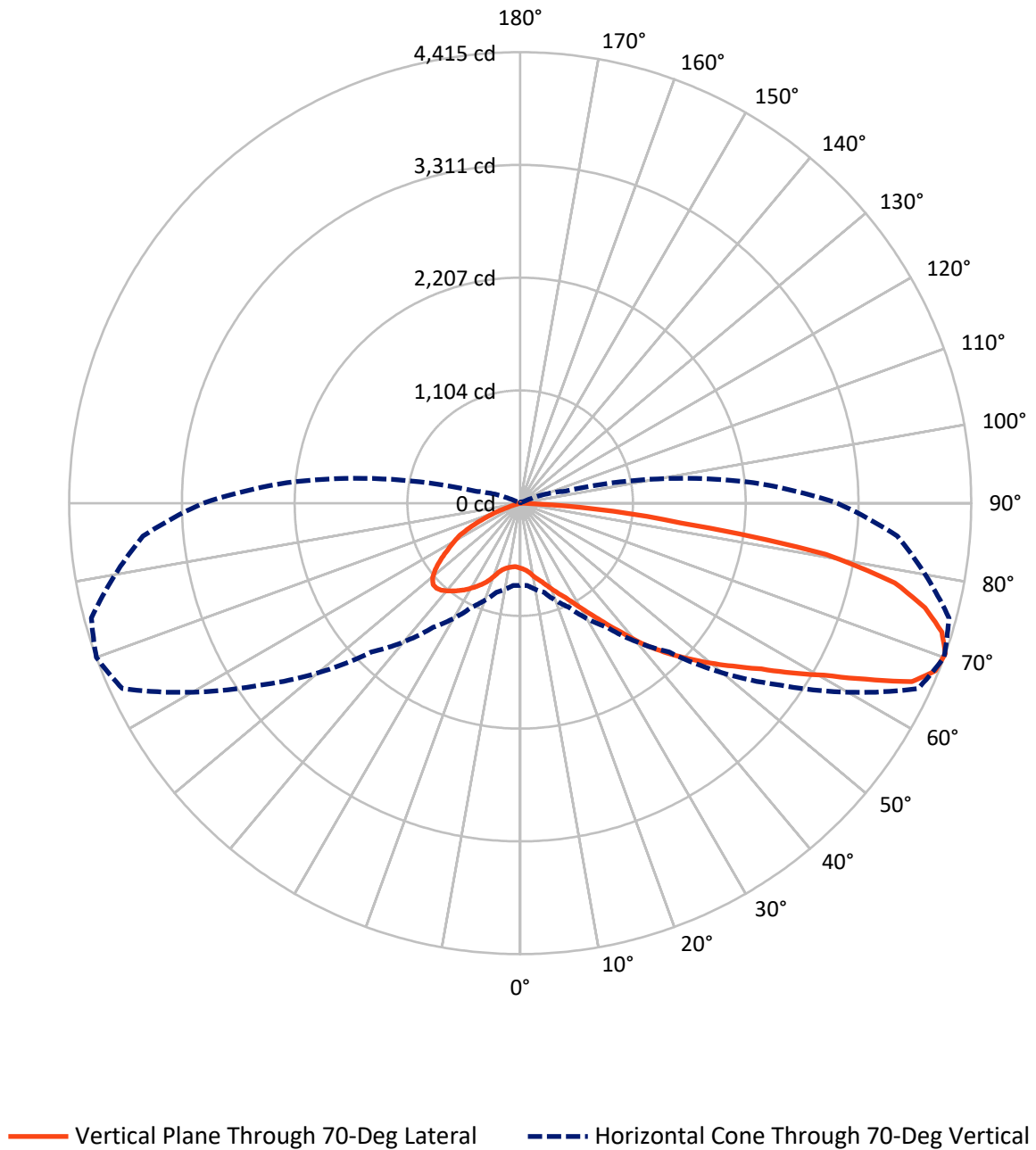
✕ Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P510945
CATALOG NUMBER: USSL-P-C016-D-U-T3-7030-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P510945

CATALOG NUMBER: USSL-P-C016-D-U-T3-7030-HSS

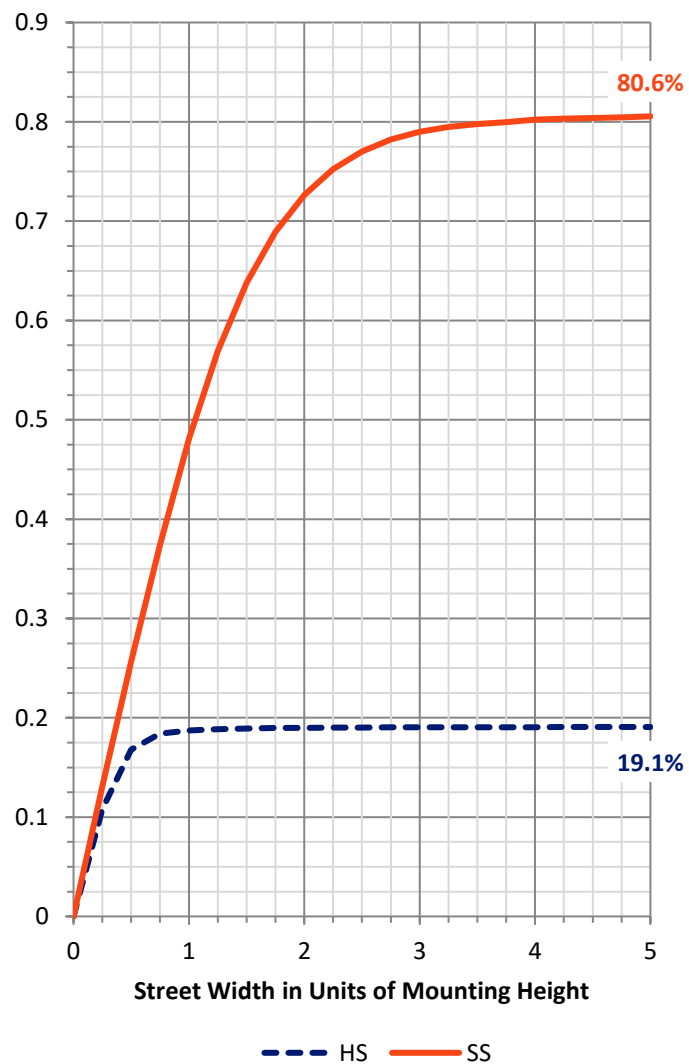
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1173.4	0.0	1173.4
	% Fixture	19.3	0.0	19.3
Street Side	Lumens	4912.6	0.0	4912.6
	% Fixture	80.7	0.0	80.7
Total	Lumens	6086.0	0.0	6086.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.3	1.0
10°-20°	193.5	3.2
20°-30°	355.5	5.8
30°-40°	594.3	9.8
40°-50°	930.1	15.3
50°-60°	1267.9	20.8
60°-70°	1476.4	24.3
70°-80°	1032.2	17.0
80°-90°	174.8	2.9
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°	6086.0	100.0
0°-180°	6086.0	100.0

Coefficient of Utilization



REPORT NUMBER: P510945

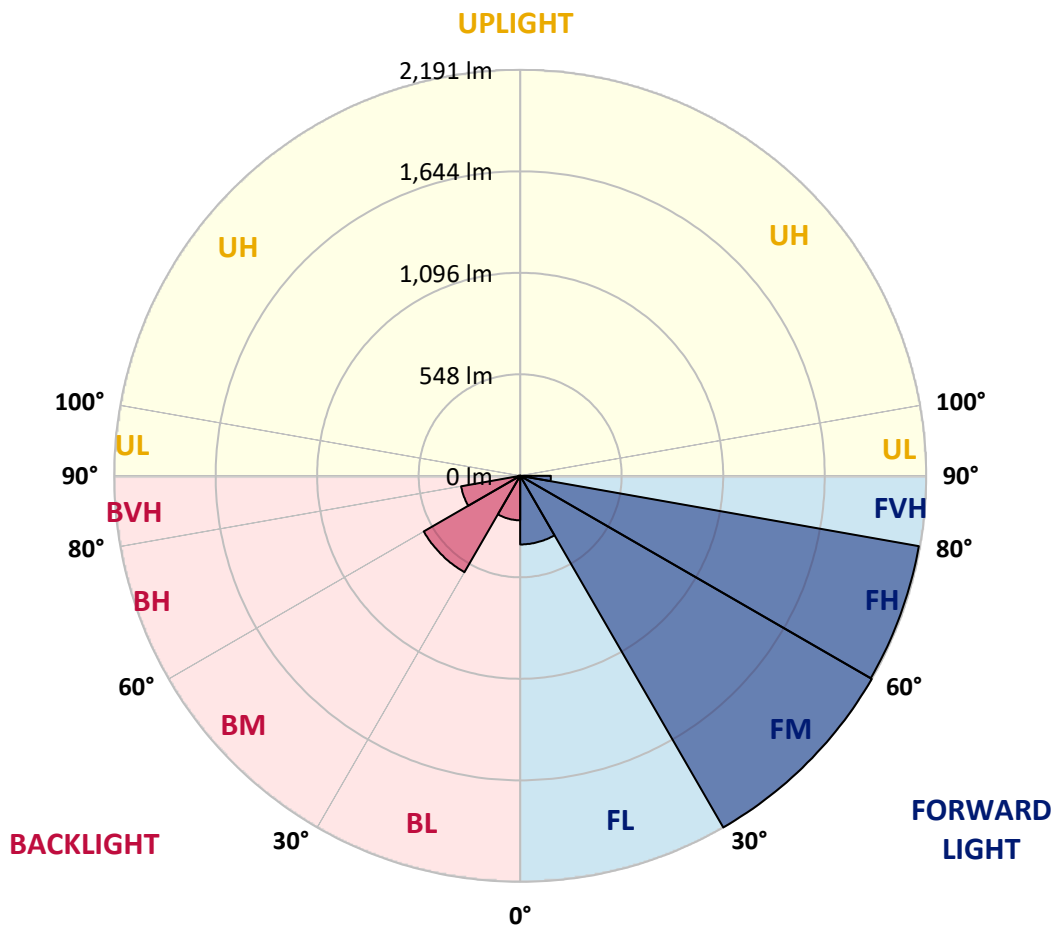
CATALOG NUMBER: USSL-P-C016-D-U-T3-7030-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	370.4	6.1			
FM	(30°-60°)	2191.5	36.0			
FH	(60°-80°)	2185.0	35.9			G2/5000
FVH	(80°-90°)	165.7	2.7			G2/225
BL	(0°-30°)	239.9	3.9	B1/500		
BM	(30°-60°)	600.9	9.9	B1/1000		
BH	(60°-80°)	323.6	5.3	B1/500		G1/500
BVH	(80°-90°)	9.1	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium



REPORT NUMBER: P510945

CATALOG NUMBER: USSL-P-C016-D-U-T3-7030-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	636.8	636.8	636.8	636.8	636.8	636.8	636.8	636.8	636.8	636.8	636.8
2.5°	660.3	664.4	663.1	664.4	663.1	658.9	653.4	647.9	646.5	645.1	641.0
5°	689.3	692.1	689.3	690.7	687.9	682.4	674.1	665.8	663.1	657.5	647.9
7.5°	714.2	716.9	716.9	721.1	719.7	716.9	707.3	697.6	689.3	683.8	671.3
10°	740.4	741.8	743.2	748.7	752.9	752.9	744.6	736.3	729.4	719.7	700.4
12.5°	757.0	758.4	761.1	768.0	777.7	783.2	779.1	770.8	763.9	755.6	730.7
15°	763.9	765.3	772.2	784.6	798.4	806.7	808.1	802.6	799.8	791.5	766.7
17.5°	781.9	784.6	788.8	805.3	816.4	830.2	842.6	850.9	848.2	839.9	813.6
20°	809.5	813.6	816.4	828.8	837.1	862.0	886.8	902.0	900.7	895.1	868.9
22.5°	844.0	845.4	848.2	856.5	871.6	899.3	933.8	951.8	960.1	954.5	933.8
25°	882.7	882.7	879.9	892.4	913.1	943.5	984.9	1015.3	1020.8	1025.0	1029.1
27.5°	928.3	929.7	925.5	936.6	955.9	991.8	1042.9	1085.8	1102.3	1107.9	1147.9
30°	1037.4	1036.0	1019.5	989.1	1012.5	1052.6	1106.5	1178.3	1201.8	1226.7	1301.3
32.5°	1179.7	1176.9	1176.9	1110.6	1073.3	1117.5	1178.3	1269.5	1313.7	1382.8	1467.0
35°	1310.9	1310.9	1306.8	1269.5	1197.7	1188.0	1254.3	1375.9	1449.1	1574.8	1643.8
37.5°	1427.0	1427.0	1433.9	1392.4	1345.5	1293.0	1351.0	1490.5	1599.6	1764.0	1815.1
40°	1533.3	1537.5	1543.0	1522.3	1486.4	1443.5	1449.1	1617.6	1787.5	1967.1	2007.1
42.5°	1609.3	1620.4	1653.5	1628.6	1634.2	1607.9	1565.1	1737.8	1957.4	2135.6	2170.1
45°	1681.1	1685.3	1710.1	1725.3	1762.6	1751.6	1721.2	1860.7	2125.9	2305.5	2312.4
47.5°	1732.2	1732.2	1754.3	1805.5	1873.1	1893.9	1882.8	1998.9	2295.8	2456.1	2463.0
50°	1751.6	1754.3	1804.1	1877.3	1990.6	2032.0	2047.2	2178.4	2472.7	2620.5	2601.1
52.5°	1773.7	1783.4	1848.3	1939.5	2090.0	2172.9	2210.2	2414.6	2657.8	2783.5	2743.4
55°	1784.7	1802.7	1862.1	1975.4	2161.9	2293.1	2355.2	2638.4	2865.0	2950.6	2907.8
57.5°	1699.1	1728.1	1835.8	1976.7	2207.4	2391.2	2515.5	2889.8	3134.3	3157.8	3043.2
60°	1581.7	1595.5	1721.2	1943.6	2195.0	2469.9	2700.6	3191.0	3416.1	3425.8	3208.9
62.5°	1453.2	1453.2	1576.2	1831.7	2138.4	2481.0	2869.1	3566.7	3796.0	3714.5	3383.0
65°	1283.3	1293.0	1414.5	1648.0	2011.3	2436.7	2997.6	3936.9	4213.2	4135.8	3555.7
67.5°	1070.6	1078.9	1188.0	1409.0	1773.7	2305.5	3084.6	4213.2	4383.1	4314.0	3686.9
70°	804.0	809.5	903.4	1123.1	1483.6	2061.0	3106.7	4297.5	4414.9	4345.8	3706.2
72.5°	454.5	440.7	549.8	739.0	1073.3	1675.6	3021.1	4249.1	4315.4	4239.4	3557.0
75°	69.1	81.5	117.4	272.1	551.2	1099.6	2667.4	4018.4	4093.0	4003.2	3282.2
77.5°	49.7	51.1	66.3	99.5	167.1	403.4	1699.1	3613.7	3749.1	3639.9	2845.6
80°	35.9	35.9	47.0	70.5	113.3	156.1	656.2	2682.6	3034.9	2993.4	2130.1
82.5°	24.9	26.2	33.2	51.1	78.7	110.5	189.2	1284.7	1581.7	1624.5	1047.1
85°	16.6	16.6	23.5	35.9	52.5	67.7	76.0	553.9	750.1	780.5	437.9
87.5°	9.7	9.7	13.8	22.1	33.2	41.4	37.3	44.2	38.7	35.9	19.3
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: P510945

CATALOG NUMBER: USSL-P-C016-D-U-T3-7030-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	636.8	636.8	636.8	636.8	636.8	636.8	636.8	636.8	636.8	636.8	636.8
2.5°	638.2	635.4	629.9	625.8	620.2	613.3	606.4	603.7	596.8	595.4	591.2
5°	643.7	638.2	628.5	617.5	603.7	589.8	574.7	566.4	559.5	553.9	558.1
7.5°	663.1	653.4	638.2	618.9	595.4	573.3	553.9	537.4	527.7	523.5	523.5
10°	689.3	676.9	652.0	623.0	591.2	562.2	533.2	511.1	495.9	489.0	487.6
12.5°	718.3	703.1	670.0	629.9	591.2	551.2	518.0	487.6	466.9	457.2	455.9
15°	748.7	732.1	692.1	646.5	600.9	553.9	508.3	468.3	439.3	422.7	421.3
17.5°	794.3	775.0	728.0	679.6	624.4	565.0	505.6	447.6	402.0	379.9	377.1
20°	849.5	830.2	788.8	725.2	652.0	573.3	490.4	415.8	361.9	332.9	332.9
22.5°	920.0	921.4	860.6	768.0	668.6	567.7	472.4	381.3	308.0	270.7	268.0
25°	1029.1	1022.2	928.3	801.2	676.9	549.8	437.9	319.1	233.5	197.5	190.6
27.5°	1154.8	1118.9	990.4	827.4	670.0	529.1	384.0	239.0	156.1	124.3	120.2
30°	1279.2	1228.0	1051.2	852.3	656.2	484.9	297.0	149.2	99.5	82.9	80.1
32.5°	1427.0	1355.1	1123.1	870.3	639.6	417.2	200.3	93.9	64.9	55.3	52.5
35°	1590.0	1483.6	1196.3	877.2	606.4	327.4	116.0	58.0	40.1	40.1	41.4
37.5°	1758.5	1642.5	1277.8	875.8	548.4	218.3	71.8	33.2	33.2	40.1	42.8
40°	1922.9	1780.6	1363.4	864.7	458.6	125.7	37.3	27.6	30.4	37.3	38.7
42.5°	2079.0	1904.9	1453.2	842.6	341.2	70.5	29.0	26.2	29.0	31.8	31.8
45°	2217.1	2040.3	1526.4	809.5	214.1	37.3	27.6	24.9	24.9	26.2	27.6
47.5°	2338.7	2153.6	1588.6	744.6	114.7	34.5	26.2	23.5	22.1	23.5	23.5
50°	2460.2	2253.0	1613.4	641.0	53.9	34.5	26.2	22.1	20.7	24.9	24.9
52.5°	2577.6	2366.3	1605.2	502.8	38.7	31.8	24.9	22.1	20.7	26.2	27.6
55°	2704.7	2475.4	1591.3	319.1	38.7	30.4	23.5	19.3	19.3	19.3	20.7
57.5°	2826.3	2573.5	1567.9	134.0	37.3	27.6	20.7	16.6	15.2	16.6	16.6
60°	2958.9	2682.6	1465.6	53.9	35.9	24.9	18.0	15.2	12.4	13.8	13.8
62.5°	3099.8	2751.7	1286.1	42.8	33.2	22.1	15.2	12.4	11.1	11.1	12.4
65°	3204.8	2753.1	1011.2	37.3	31.8	19.3	13.8	11.1	9.7	9.7	9.7
67.5°	3217.2	2594.2	737.7	33.2	29.0	16.6	11.1	9.7	8.3	6.9	8.3
70°	3104.0	2291.7	450.3	31.8	24.9	13.8	9.7	8.3	6.9	5.5	6.9
72.5°	2880.2	1953.3	176.8	29.0	22.1	11.1	8.3	8.3	5.5	4.1	4.1
75°	2527.9	1525.0	44.2	26.2	19.3	9.7	6.9	6.9	5.5	2.8	2.8
77.5°	2030.6	896.5	33.2	22.1	16.6	6.9	5.5	5.5	2.8	2.8	2.8
80°	1134.1	338.4	24.9	15.2	9.7	5.5	2.8	2.8	2.8	2.8	2.8
82.5°	450.3	70.5	18.0	8.3	5.5	2.8	1.4	1.4	1.4	2.8	2.8
85°	96.7	22.1	11.1	5.5	2.8	1.4	1.4	1.4	1.4	1.4	2.8
87.5°	6.9	6.9	4.1	4.1	2.8	1.4	1.4	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)