

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: P510947

Luminaire Tested: **USSL-P-C016-D-U-T3-7050-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510947
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-T3-7050-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 5000K, 880mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6312 lumens
Efficiency: N/A
Efficacy: 128.6 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

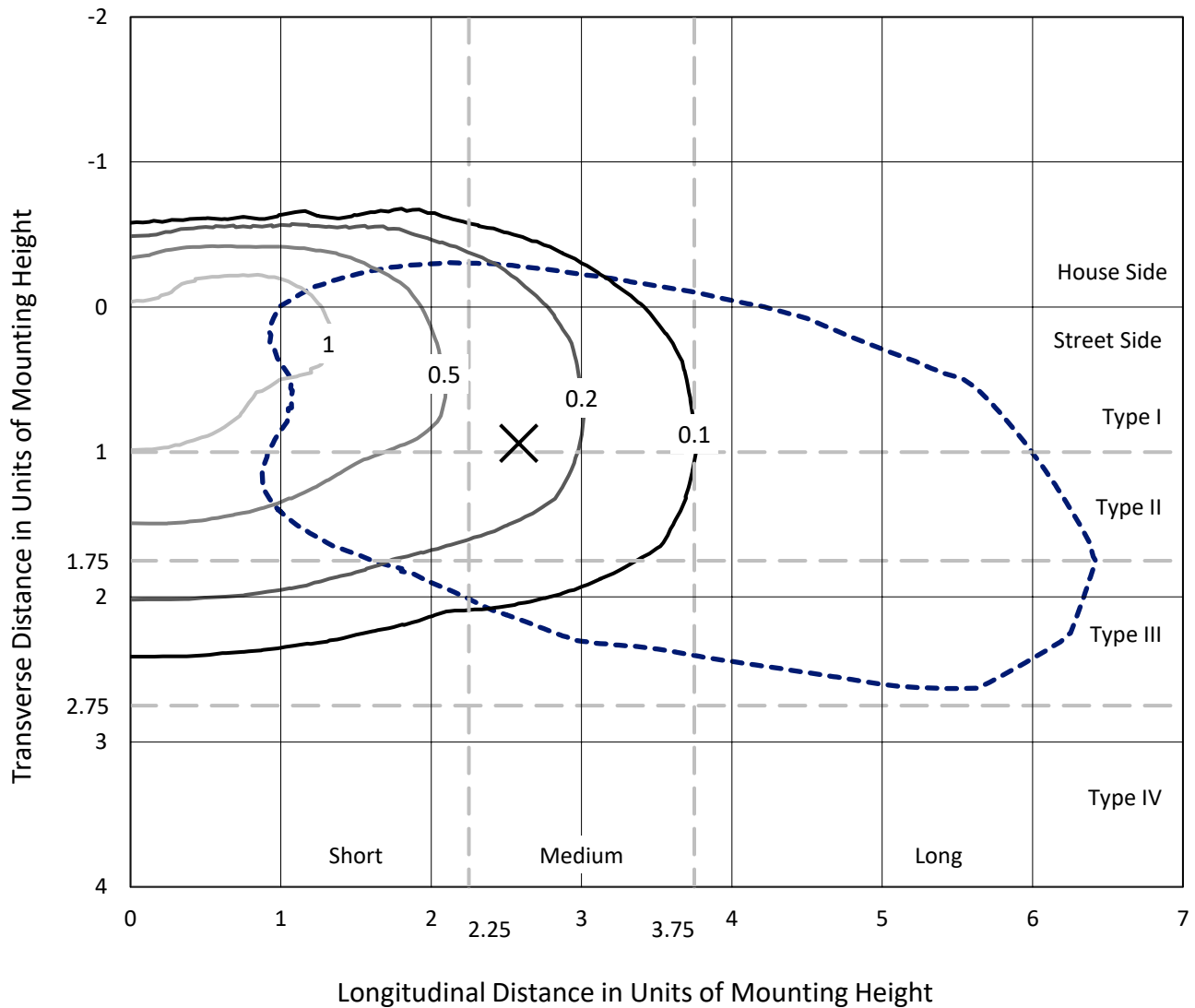


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

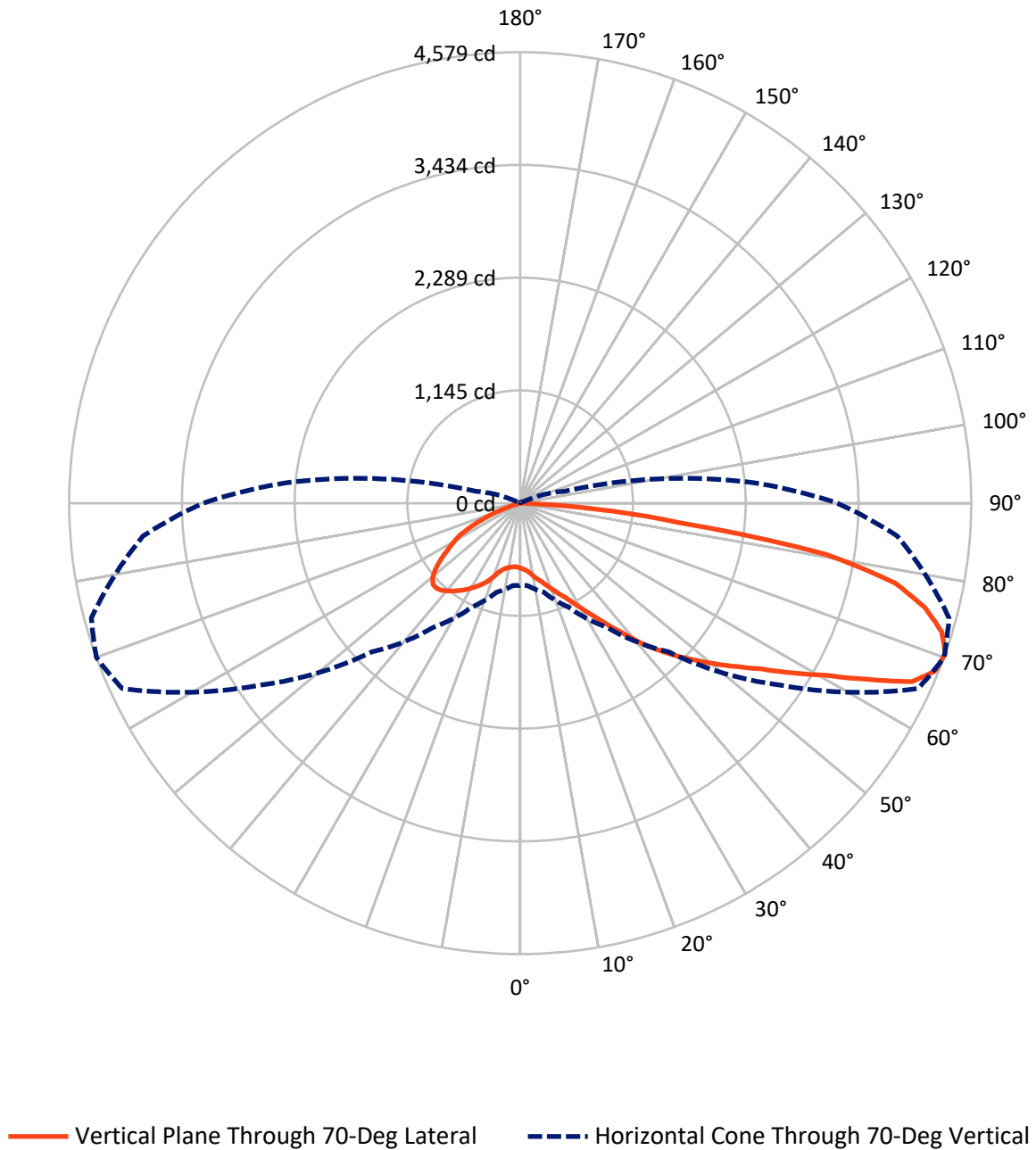


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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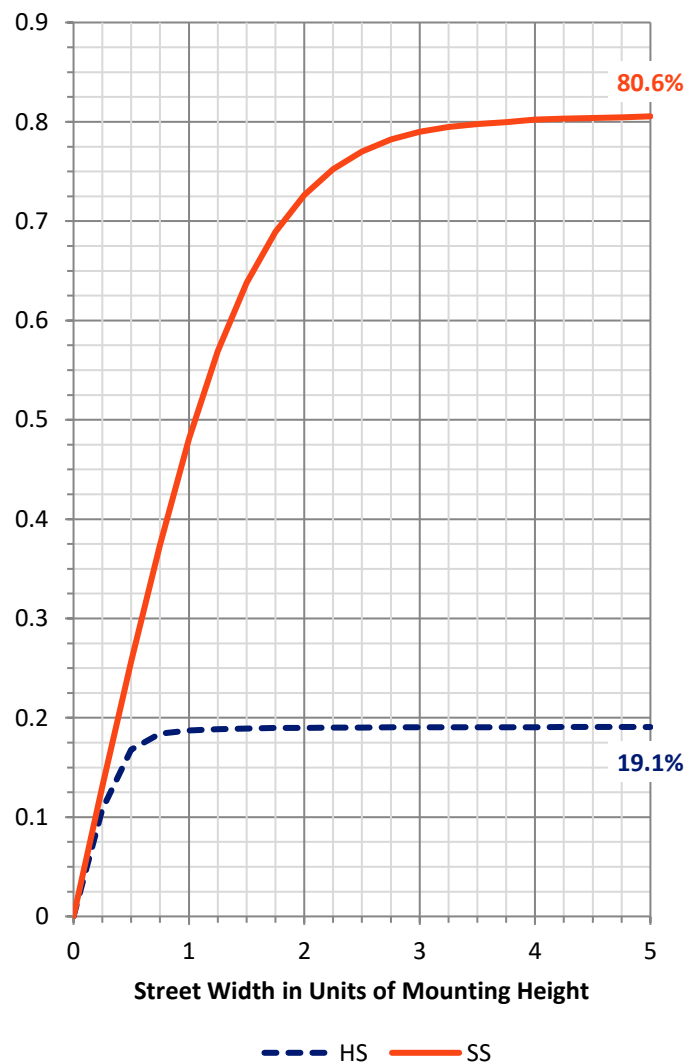
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1217.0	0.0	1217.0
	% Fixture	19.3	0.0	19.3
Street Side	Lumens	5095.0	0.0	5095.0
	% Fixture	80.7	0.0	80.7
Total	Lumens	6312.0	0.0	6312.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.6	1.0
10°-20°	200.7	3.2
20°-30°	368.7	5.8
30°-40°	616.4	9.8
40°-50°	964.6	15.3
50°-60°	1315.0	20.8
60°-70°	1531.2	24.3
70°-80°	1070.5	17.0
80°-90°	181.3	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°	6312.0	100.0
0°-180°	6312.0	100.0

Coefficient of Utilization



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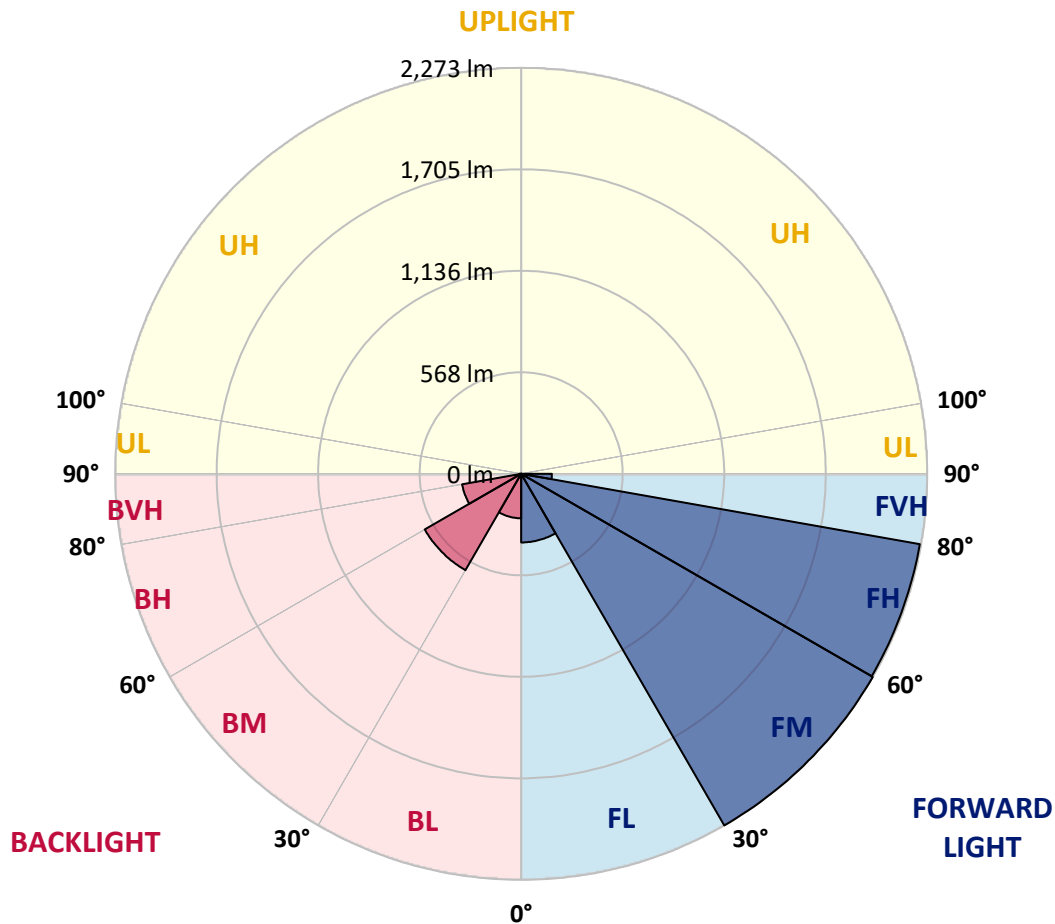
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	384.2	6.1			
FM	(30°-60°)	2272.8	36.0			
FH	(60°-80°)	2266.1	35.9			G2/5000
FVH	(80°-90°)	171.9	2.7			G2/225
BL	(0°-30°)	248.8	3.9	B1/500		
BM	(30°-60°)	623.2	9.9	B1/1000		
BH	(60°-80°)	335.6	5.3	B1/500		G1/500
BVH	(80°-90°)	9.4	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	660.5	660.5	660.5	660.5	660.5	660.5	660.5	660.5	660.5	660.5	660.5
2.5°	684.8	689.1	687.7	689.1	687.7	683.4	677.7	671.9	670.5	669.1	664.8
5°	714.9	717.8	714.9	716.3	713.5	707.7	699.1	690.5	687.7	682.0	671.9
7.5°	740.7	743.6	743.6	747.9	746.4	743.6	733.5	723.5	714.9	709.2	696.3
10°	767.9	769.3	770.8	776.5	780.8	780.8	772.2	763.6	756.5	746.4	726.4
12.5°	785.1	786.5	789.4	796.6	806.6	812.3	808.0	799.4	792.3	783.7	757.9
15°	792.3	793.7	800.9	813.8	828.1	836.7	838.1	832.4	829.5	820.9	795.1
17.5°	810.9	813.8	818.1	835.2	846.7	861.0	873.9	882.5	879.7	871.1	843.8
20°	839.5	843.8	846.7	859.6	868.2	894.0	919.8	935.5	934.1	928.4	901.2
22.5°	875.4	876.8	879.7	888.3	904.0	932.7	968.5	987.1	995.7	990.0	968.5
25°	915.5	915.5	912.6	925.5	947.0	978.5	1021.5	1053.0	1058.7	1063.0	1067.3
27.5°	962.8	964.2	959.9	971.4	991.4	1028.7	1081.7	1126.1	1143.3	1149.0	1190.6
30°	1075.9	1074.5	1057.3	1025.8	1050.1	1091.7	1147.6	1222.1	1246.4	1272.2	1349.6
32.5°	1223.5	1220.6	1220.6	1151.9	1113.2	1159.0	1222.1	1316.6	1362.5	1434.1	1521.5
35°	1359.6	1359.6	1355.3	1316.6	1242.1	1232.1	1300.9	1426.9	1502.9	1633.2	1704.9
37.5°	1480.0	1480.0	1487.1	1444.1	1395.4	1341.0	1401.2	1545.9	1659.0	1829.5	1882.5
40°	1590.3	1594.6	1600.3	1578.8	1541.6	1497.1	1502.9	1677.7	1853.9	2040.1	2081.7
42.5°	1669.1	1680.5	1714.9	1689.1	1694.9	1667.6	1623.2	1802.3	2030.1	2214.9	2250.7
45°	1743.6	1747.9	1773.6	1789.4	1828.1	1816.6	1785.1	1929.8	2204.9	2391.1	2398.3
47.5°	1796.6	1796.6	1819.5	1872.5	1942.7	1964.2	1952.7	2073.1	2381.1	2547.3	2554.5
50°	1816.6	1819.5	1871.1	1947.0	2064.5	2107.5	2123.2	2259.3	2564.5	2717.8	2697.7
52.5°	1839.6	1849.6	1916.9	2011.5	2167.6	2253.6	2292.3	2504.3	2756.5	2886.8	2845.3
55°	1851.0	1869.6	1931.2	2048.7	2242.1	2378.2	2442.7	2736.4	2971.4	3060.2	3015.8
57.5°	1762.2	1792.3	1904.0	2050.2	2289.4	2480.0	2608.9	2997.2	3250.7	3275.1	3156.2
60°	1640.4	1654.7	1785.1	2015.8	2276.5	2561.6	2800.9	3309.5	3543.0	3553.0	3328.1
62.5°	1507.2	1507.2	1634.7	1899.7	2217.8	2573.1	2975.7	3699.2	3937.0	3852.5	3508.6
65°	1331.0	1341.0	1467.1	1709.2	2086.0	2527.2	3108.9	4083.1	4369.7	4289.4	3687.7
67.5°	1110.3	1118.9	1232.1	1461.3	1839.6	2391.1	3199.2	4369.7	4545.9	4474.2	3823.8
70°	833.8	839.5	937.0	1164.8	1538.7	2137.5	3222.1	4457.0	4578.8	4507.2	3843.9
72.5°	471.3	457.0	570.2	766.5	1113.2	1737.8	3133.3	4406.9	4475.7	4396.9	3689.1
75°	71.6	84.5	121.8	282.2	571.6	1140.4	2766.5	4167.6	4245.0	4151.9	3404.0
77.5°	51.6	53.0	68.8	103.2	173.4	418.3	1762.2	3747.9	3888.3	3775.1	2951.3
80°	37.2	37.2	48.7	73.1	117.5	161.9	680.5	2782.3	3147.6	3104.6	2209.2
82.5°	25.8	27.2	34.4	53.0	81.7	114.6	196.3	1332.4	1640.4	1684.8	1086.0
85°	17.2	17.2	24.4	37.2	54.4	70.2	78.8	574.5	777.9	809.5	454.2
87.5°	10.0	10.0	14.3	22.9	34.4	43.0	38.7	45.8	40.1	37.2	20.1
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°	660.5	660.5	660.5	660.5	660.5	660.5	660.5	660.5	660.5	660.5	660.5
2.5°	661.9	659.0	653.3	649.0	643.3	636.1	628.9	626.1	618.9	617.5	613.2
5°	667.6	661.9	651.9	640.4	626.1	611.8	596.0	587.4	580.2	574.5	578.8
7.5°	687.7	677.7	661.9	641.8	617.5	594.6	574.5	557.3	547.3	543.0	543.0
10°	714.9	702.0	676.2	646.1	613.2	583.1	553.0	530.1	514.3	507.2	505.7
12.5°	745.0	729.2	694.8	653.3	613.2	571.6	537.3	505.7	484.2	474.2	472.8
15°	776.5	759.3	717.8	670.5	623.2	574.5	527.2	485.7	455.6	438.4	437.0
17.5°	823.8	803.7	755.0	704.9	647.6	586.0	524.4	464.2	416.9	394.0	391.1
20°	881.1	861.0	818.1	752.2	676.2	594.6	508.6	431.2	375.4	345.3	345.3
22.5°	954.2	955.6	892.6	796.6	693.4	588.8	490.0	395.4	319.5	280.8	277.9
25°	1067.3	1060.2	962.8	831.0	702.0	570.2	454.2	330.9	242.1	204.9	197.7
27.5°	1197.7	1160.5	1027.2	858.2	694.8	548.7	398.3	247.9	161.9	128.9	124.6
30°	1326.7	1273.6	1090.3	884.0	680.5	502.9	308.0	154.7	103.2	86.0	83.1
32.5°	1480.0	1405.5	1164.8	902.6	663.3	432.7	207.7	97.4	67.3	57.3	54.4
35°	1649.0	1538.7	1240.7	909.7	628.9	339.5	120.3	60.2	41.5	41.5	43.0
37.5°	1823.8	1703.4	1325.2	908.3	568.8	226.4	74.5	34.4	34.4	41.5	44.4
40°	1994.3	1846.7	1414.0	896.9	475.6	130.4	38.7	28.7	31.5	38.7	40.1
42.5°	2156.2	1975.7	1507.2	873.9	353.9	73.1	30.1	27.2	30.1	33.0	33.0
45°	2299.4	2116.1	1583.1	839.5	222.1	38.7	28.7	25.8	25.8	27.2	28.7
47.5°	2425.5	2233.5	1647.6	772.2	118.9	35.8	27.2	24.4	22.9	24.4	24.4
50°	2551.6	2336.7	1673.4	664.8	55.9	35.8	27.2	22.9	21.5	25.8	25.8
52.5°	2673.4	2454.2	1664.8	521.5	40.1	33.0	25.8	22.9	21.5	27.2	28.7
55°	2805.2	2567.4	1650.4	330.9	40.1	31.5	24.4	20.1	20.1	20.1	21.5
57.5°	2931.2	2669.1	1626.1	139.0	38.7	28.7	21.5	17.2	15.8	17.2	17.2
60°	3068.8	2782.3	1520.1	55.9	37.2	25.8	18.6	15.8	12.9	14.3	14.3
62.5°	3214.9	2853.9	1333.8	44.4	34.4	22.9	15.8	12.9	11.5	11.5	12.9
65°	3323.8	2855.3	1048.7	38.7	33.0	20.1	14.3	11.5	10.0	10.0	10.0
67.5°	3336.7	2690.6	765.0	34.4	30.1	17.2	11.5	10.0	8.6	7.2	8.6
70°	3219.2	2376.8	467.1	33.0	25.8	14.3	10.0	8.6	7.2	5.7	7.2
72.5°	2987.1	2025.8	183.4	30.1	22.9	11.5	8.6	8.6	5.7	4.3	4.3
75°	2621.8	1581.7	45.8	27.2	20.1	10.0	7.2	7.2	5.7	2.9	2.9
77.5°	2106.0	929.8	34.4	22.9	17.2	7.2	5.7	5.7	2.9	2.9	2.9
80°	1176.2	351.0	25.8	15.8	10.0	5.7	2.9	2.9	2.9	2.9	2.9
82.5°	467.1	73.1	18.6	8.6	5.7	2.9	1.4	1.4	1.4	2.9	2.9
85°	100.3	22.9	11.5	5.7	2.9	1.4	1.4	1.4	1.4	1.4	2.9
87.5°	7.2	7.2	4.3	4.3	2.9	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)