

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: P510948

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

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510948
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-4)
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
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 5000K, 880mA LED AND TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6850 lumens
Efficiency: N/A
Efficacy: 139.5 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

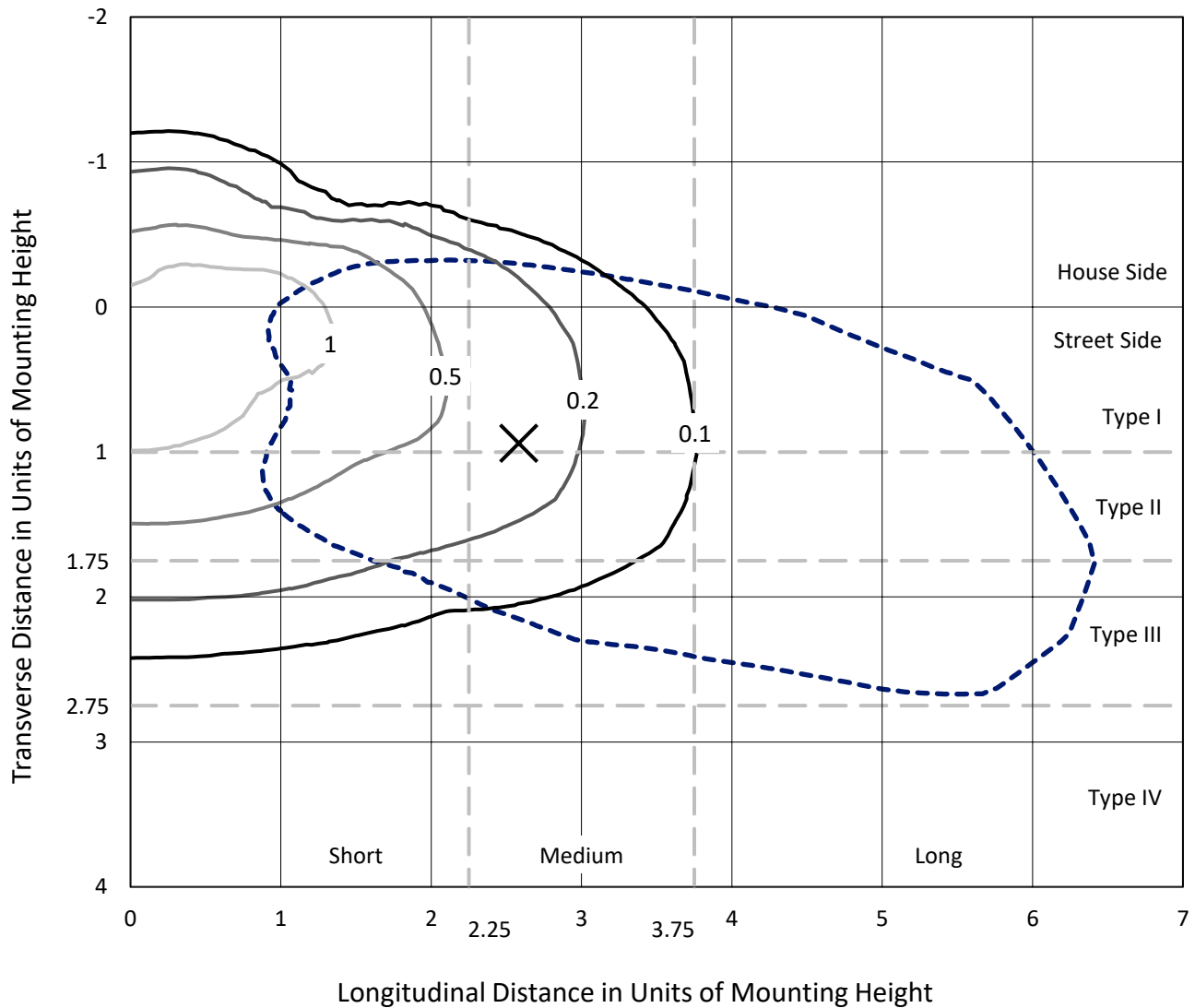
Input Watts (W): 49.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

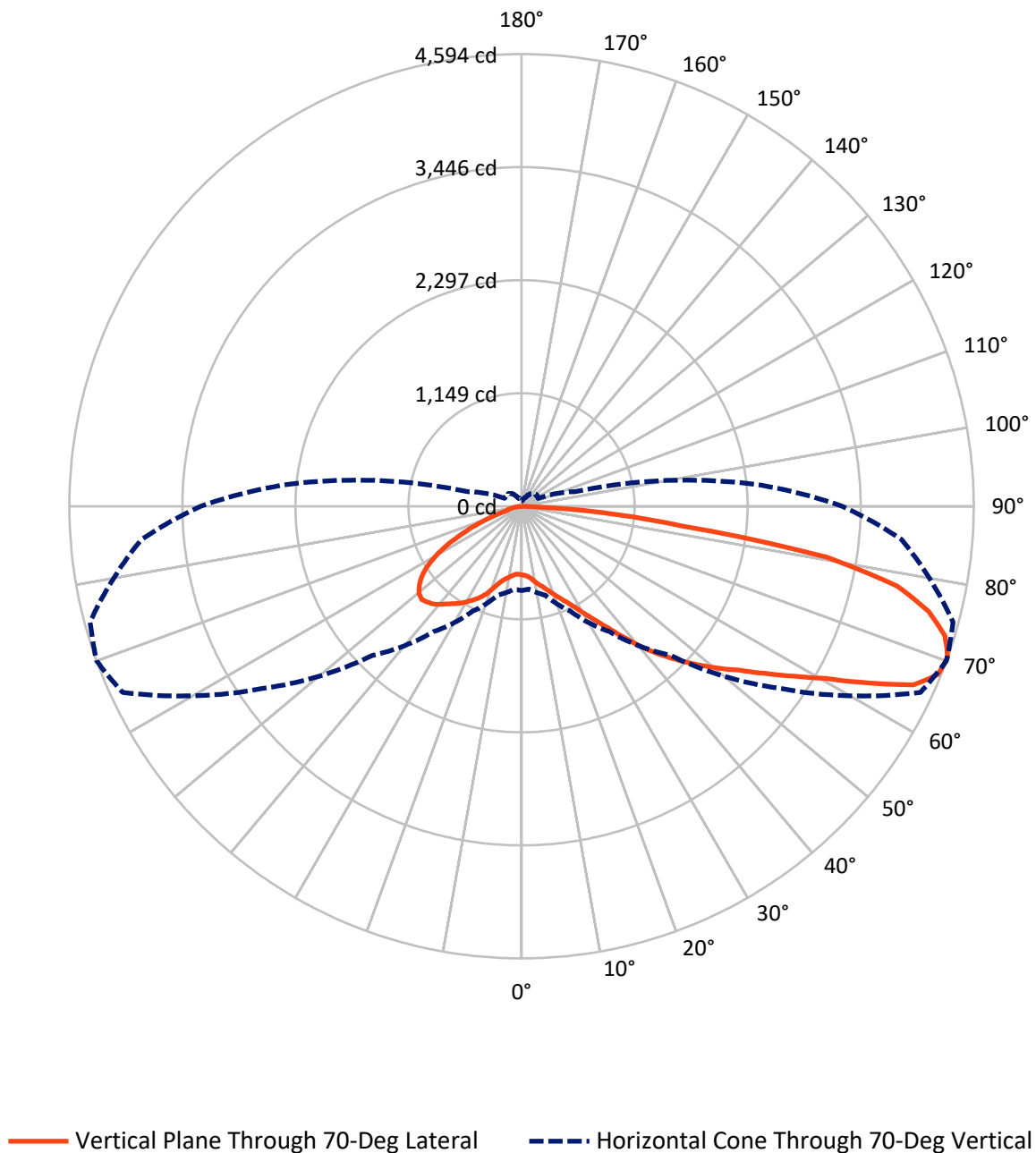
✕ Max cd
 --- 1/2 Max cd



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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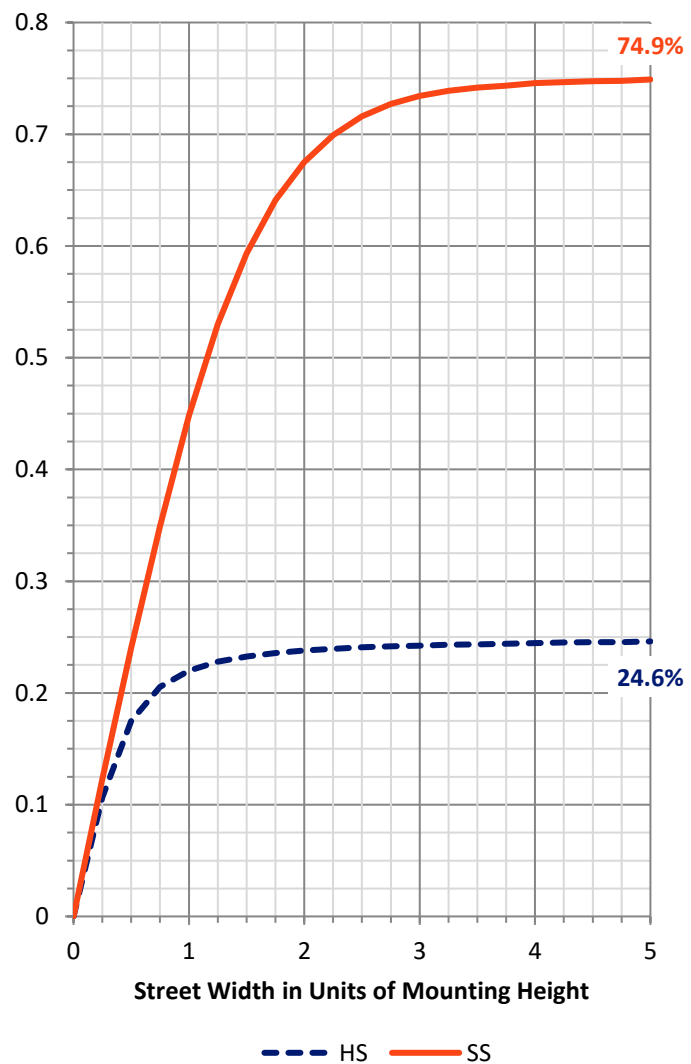
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1708.9	0.0	1708.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	5141.1	0.0	5141.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	6850.0	0.0	6850.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.4	1.0
10°-20°	224.0	3.3
20°-30°	420.8	6.1
30°-40°	704.0	10.3
40°-50°	1075.1	15.7
50°-60°	1419.0	20.7
60°-70°	1605.6	23.4
70°-80°	1128.9	16.5
80°-90°	204.1	3.0
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°	6850.0	100.0
0°-180°	6850.0	100.0

Coefficient of Utilization



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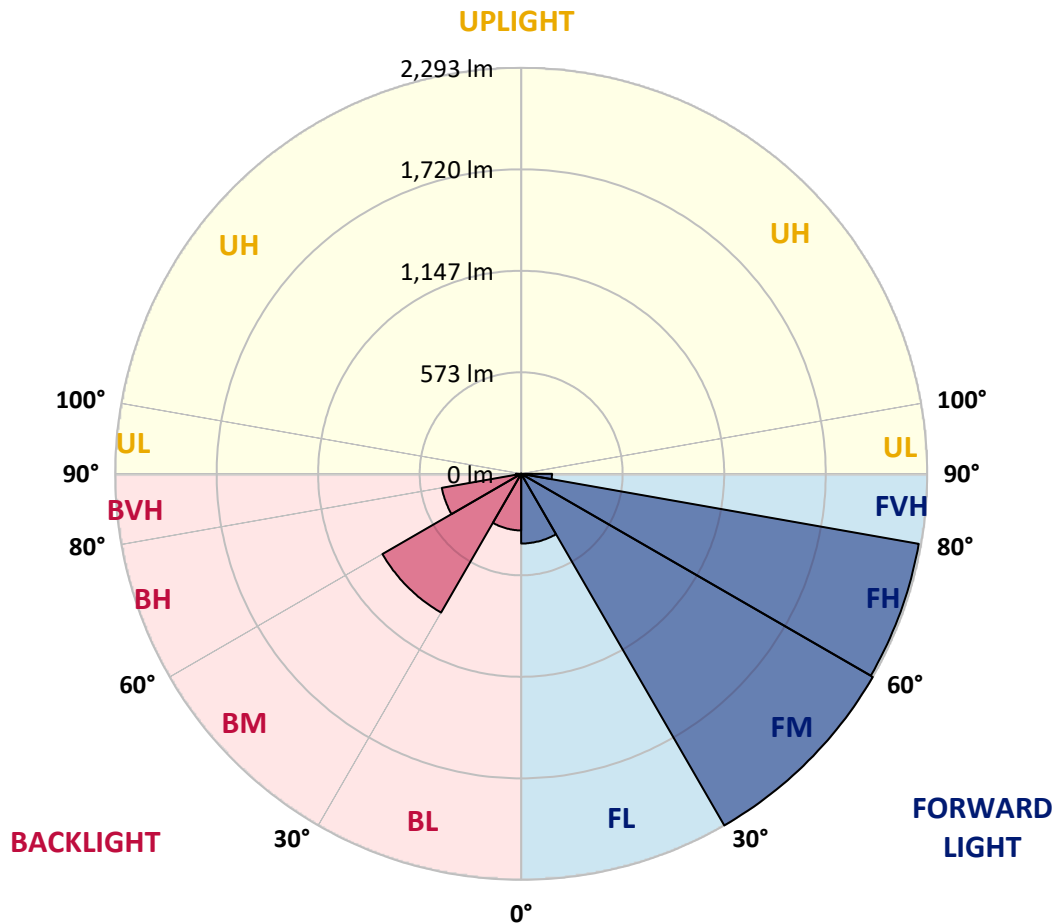
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	393.7	5.7			
FM	(30°-60°)	2293.2	33.5			
FH	(60°-80°)	2280.0	33.3			G2/5000
FVH	(80°-90°)	174.1	2.5			G2/225
BL	(0°-30°)	319.5	4.7	B1/500		
BM	(30°-60°)	905.0	13.2	B1/1000		
BH	(60°-80°)	454.5	6.6	B1/500		G1/500
BVH	(80°-90°)	30.0	0.4			G1/100
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°	697.6	697.6	697.6	697.6	697.6	697.6	697.6	697.6	697.6	697.6	697.6
2.5°	713.4	717.7	716.3	717.7	717.7	712.0	709.1	703.4	703.4	703.4	700.5
5°	742.1	744.9	740.6	742.1	742.1	736.3	729.2	720.6	717.7	712.0	707.7
7.5°	760.7	766.4	767.8	769.3	769.3	767.8	762.1	752.1	744.9	740.6	730.6
10°	789.3	789.3	793.6	797.9	806.5	806.5	797.9	790.8	786.5	779.3	762.1
12.5°	803.7	806.5	810.8	818.0	828.0	836.6	832.3	826.6	820.8	815.1	795.1
15°	813.7	813.7	820.8	835.2	850.9	858.1	861.0	861.0	858.1	852.4	830.9
17.5°	830.9	830.9	839.5	855.2	868.1	882.4	898.2	903.9	906.8	898.2	879.6
20°	861.0	863.8	868.1	878.1	889.6	912.5	941.2	958.4	959.8	954.1	938.3
22.5°	891.0	889.6	892.5	905.4	924.0	952.6	988.4	1015.7	1018.5	1018.5	1005.6
25°	932.6	928.3	926.8	938.3	962.7	997.0	1038.6	1073.0	1084.4	1087.3	1100.2
27.5°	974.1	979.9	974.1	984.2	1004.2	1045.7	1100.2	1150.3	1166.1	1173.2	1229.1
30°	1084.4	1090.2	1068.7	1044.3	1057.2	1104.5	1168.9	1244.9	1266.4	1295.0	1383.8
32.5°	1236.3	1234.8	1234.8	1176.1	1126.0	1174.7	1242.0	1335.1	1381.0	1451.2	1557.2
35°	1373.8	1373.8	1369.5	1325.1	1262.1	1242.0	1325.1	1442.6	1519.9	1657.4	1737.7
37.5°	1494.1	1498.4	1504.2	1455.5	1416.8	1363.8	1418.2	1565.8	1687.5	1860.9	1933.9
40°	1600.1	1600.1	1621.6	1588.7	1561.5	1512.8	1517.1	1697.6	1878.1	2062.8	2115.9
42.5°	1683.2	1693.3	1723.3	1697.6	1703.3	1676.1	1638.8	1812.2	2055.7	2237.6	2286.3
45°	1750.6	1756.3	1783.5	1797.8	1836.5	1840.8	1800.7	1949.7	2230.5	2411.0	2441.0
47.5°	1799.3	1800.7	1825.0	1878.1	1955.4	1981.2	1965.4	2090.1	2403.8	2582.9	2588.6
50°	1822.2	1826.5	1876.6	1954.0	2072.9	2131.6	2160.3	2274.9	2585.7	2741.9	2741.9
52.5°	1842.2	1853.7	1918.2	2014.1	2174.6	2273.4	2319.3	2515.5	2766.2	2903.7	2898.0
55°	1855.1	1870.9	1933.9	2051.4	2244.8	2398.1	2471.1	2767.7	2996.9	3092.8	3048.4
57.5°	1774.9	1795.0	1906.7	2054.3	2292.1	2489.7	2637.3	3022.6	3256.1	3307.7	3200.3
60°	1641.7	1658.9	1786.4	2019.9	2282.0	2571.4	2819.2	3317.7	3551.3	3569.9	3362.2
62.5°	1504.2	1522.8	1643.1	1912.4	2214.7	2582.9	2986.8	3724.6	3952.4	3900.8	3542.7
65°	1332.3	1342.3	1466.9	1717.6	2081.5	2537.0	3117.2	4095.6	4376.4	4316.2	3720.3
67.5°	1127.4	1134.6	1244.9	1479.8	1848.0	2398.1	3211.7	4377.8	4562.6	4489.6	3860.7
70°	856.7	845.2	935.4	1176.1	1554.3	2143.1	3233.2	4472.4	4594.1	4538.3	3876.4
72.5°	465.6	465.6	585.9	780.7	1126.0	1727.6	3151.6	4426.5	4498.2	4426.5	3731.8
75°	84.5	91.7	139.0	272.2	560.1	1157.5	2753.3	4162.9	4273.2	4164.4	3440.9
77.5°	53.0	54.4	71.6	107.4	173.3	432.6	1800.7	3746.1	3905.1	3800.5	2981.1
80°	38.7	38.7	51.6	77.4	123.2	170.5	676.2	2899.4	3148.7	3120.1	2243.3
82.5°	27.2	28.7	37.2	55.9	84.5	118.9	199.1	1350.9	1646.0	1686.1	1077.3
85°	17.2	18.6	25.8	37.2	55.9	70.2	80.2	567.3	805.1	835.2	465.6
87.5°	8.6	10.0	15.8	24.4	34.4	41.5	38.7	35.8	37.2	41.5	21.5
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°	697.6	697.6	697.6	697.6	697.6	697.6	697.6	697.6	697.6	697.6	697.6
2.5°	697.6	696.2	693.3	690.5	687.6	683.3	679.0	673.3	671.9	669.0	667.6
5°	704.8	700.5	694.8	689.0	681.9	673.3	666.1	660.4	657.5	656.1	657.5
7.5°	726.3	719.1	710.5	701.9	689.0	677.6	666.1	659.0	651.8	648.9	648.9
10°	756.4	747.8	734.9	719.1	701.9	687.6	673.3	660.4	650.4	646.1	646.1
12.5°	787.9	777.9	762.1	740.6	720.6	699.1	681.9	663.3	648.9	640.3	640.3
15°	823.7	813.7	790.8	770.7	749.2	724.9	697.6	669.0	646.1	630.3	628.9
17.5°	868.1	859.5	838.0	819.4	792.2	757.8	714.8	667.6	630.3	606.0	604.5
20°	932.6	922.6	903.9	879.6	836.6	782.2	719.1	659.0	608.8	575.9	574.4
22.5°	1007.1	1014.2	992.7	932.6	866.7	796.5	720.6	644.6	577.3	540.1	537.2
25°	1115.9	1124.5	1062.9	974.1	888.2	792.2	706.2	618.9	534.3	494.2	491.4
27.5°	1244.9	1220.5	1126.0	1007.1	889.6	782.2	683.3	568.7	487.1	442.7	436.9
30°	1381.0	1342.3	1194.7	1030.0	876.7	760.7	628.9	511.4	451.2	412.6	405.4
32.5°	1528.5	1474.1	1269.2	1048.6	858.1	717.7	568.7	489.9	434.1	388.2	383.9
35°	1704.7	1614.5	1345.1	1054.3	828.0	659.0	518.6	477.0	419.7	369.6	362.4
37.5°	1873.8	1762.0	1431.1	1052.9	786.5	580.2	494.2	452.7	399.7	361.0	358.1
40°	2047.1	1913.9	1531.4	1050.0	733.5	510.0	467.0	425.5	381.1	352.4	348.1
42.5°	2206.1	2052.8	1633.1	1040.0	653.2	477.0	439.8	405.4	366.7	325.2	318.0
45°	2346.5	2183.2	1709.0	1021.4	567.3	444.1	408.3	379.6	346.7	302.3	295.1
47.5°	2484.0	2299.2	1790.7	982.7	482.8	414.0	375.3	351.0	318.0	277.9	269.3
50°	2605.8	2402.4	1836.5	901.1	428.3	382.5	338.1	313.7	275.0	236.4	233.5
52.5°	2734.7	2548.5	1879.5	759.2	371.0	345.2	300.8	269.3	236.4	216.3	209.1
55°	2867.9	2697.5	1921.0	583.0	322.3	313.7	260.7	223.5	189.1	179.1	183.4
57.5°	2998.3	2809.2	1903.8	409.7	292.2	273.6	219.2	180.5	153.3	154.7	163.3
60°	3141.5	2896.6	1783.5	279.3	265.0	223.5	183.4	154.7	134.7	127.5	126.1
62.5°	3273.3	2949.6	1525.6	237.8	234.9	196.3	166.2	140.4	124.6	110.3	106.0
65°	3373.6	2926.7	1197.6	216.3	212.0	187.7	159.0	133.2	116.0	94.5	90.2
67.5°	3383.6	2764.8	882.4	197.7	197.7	187.7	159.0	126.1	84.5	73.1	73.1
70°	3260.4	2446.8	575.9	189.1	190.5	184.8	153.3	101.7	78.8	55.9	53.0
72.5°	3029.8	2094.4	285.1	171.9	184.8	163.3	139.0	104.6	74.5	51.6	48.7
75°	2643.0	1643.1	147.6	157.6	153.3	143.3	139.0	106.0	70.2	41.5	37.2
77.5°	2151.7	988.4	123.2	141.8	123.2	133.2	124.6	100.3	65.9	40.1	37.2
80°	1186.1	388.2	98.8	96.0	101.7	106.0	114.6	96.0	71.6	45.8	43.0
82.5°	478.5	86.0	54.4	64.5	70.2	88.8	103.1	93.1	68.8	45.8	44.4
85°	124.6	25.8	24.4	34.4	51.6	73.1	87.4	71.6	50.1	40.1	38.7
87.5°	8.6	8.6	11.5	17.2	17.2	8.6	1.4	1.4	1.4	1.4	2.9
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)