

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: P510952

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

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510952  
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  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 4000K, 880mA LED AND TYPE III OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6727 lumens  
Efficiency: N/A  
Efficacy: 137.0 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

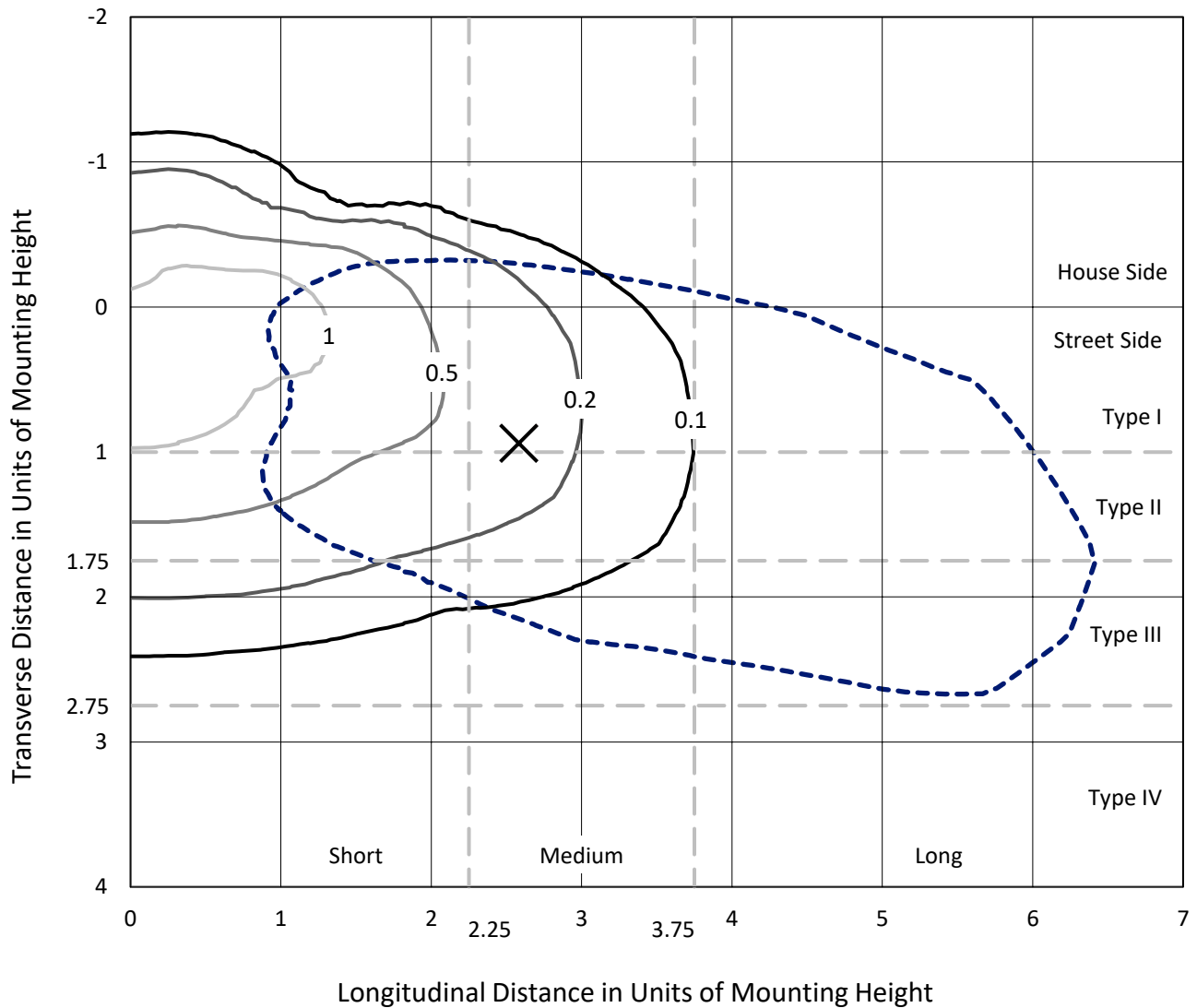
Input Watts (W): 49.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

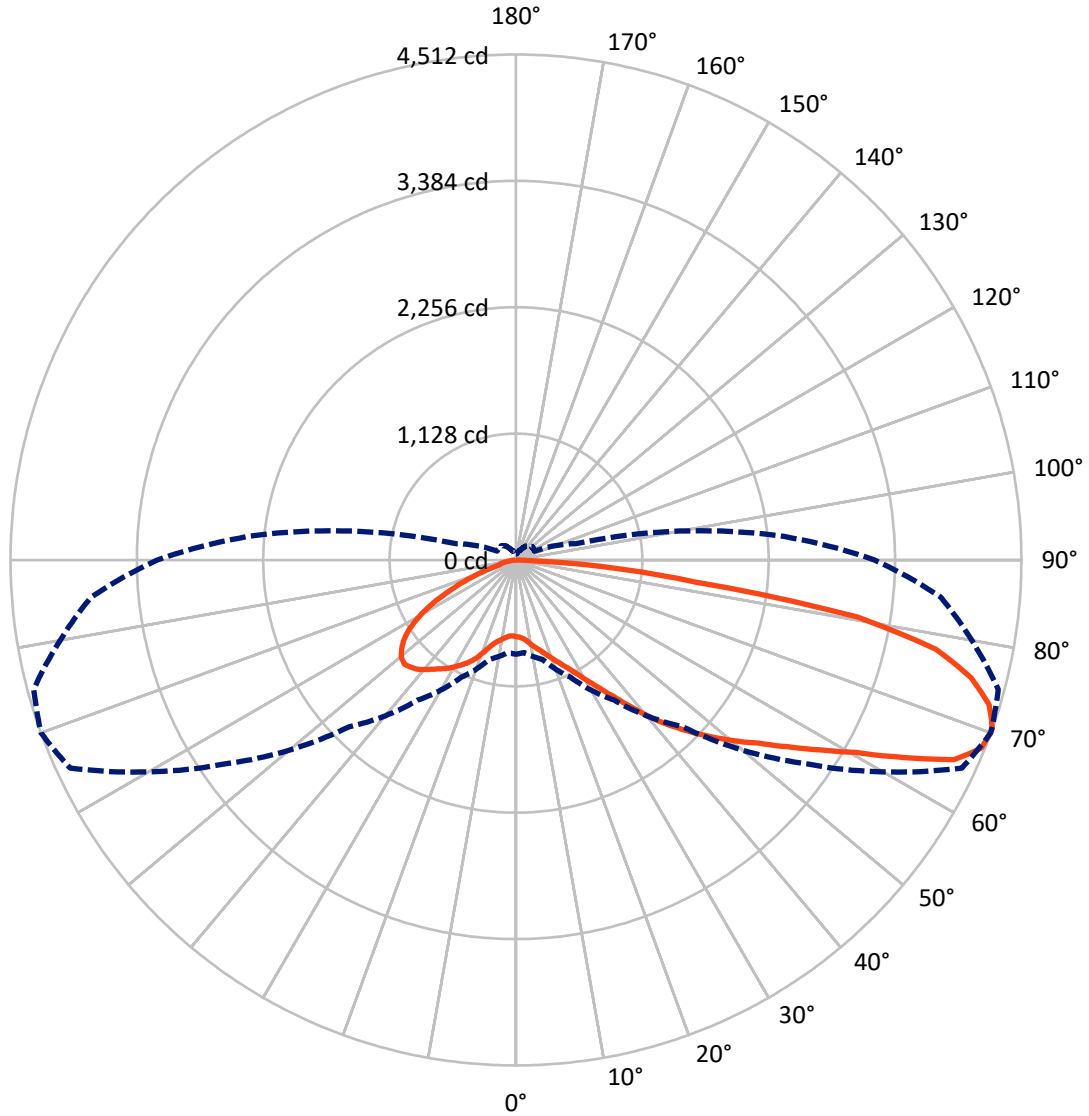
✕ Max cd  
 - - - 1/2 Max cd



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



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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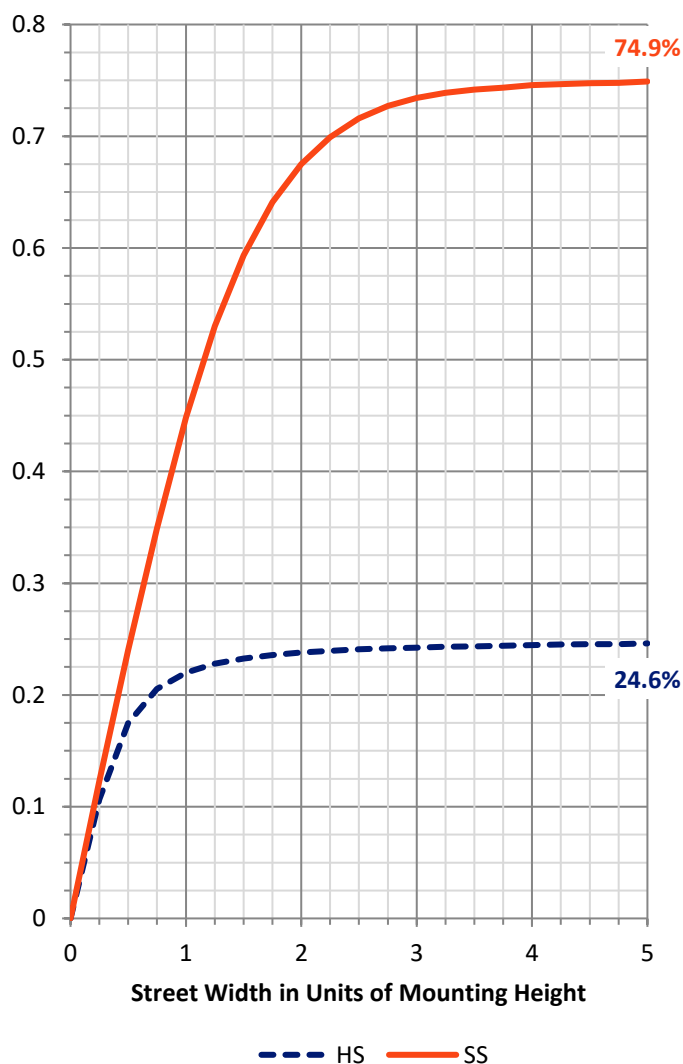
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1678.2	0.0	1678.2
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	5048.7	0.0	5048.7
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	6727.0	0.0	6727.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.2	1.0
10°-20°	220.0	3.3
20°-30°	413.3	6.1
30°-40°	691.4	10.3
40°-50°	1055.8	15.7
50°-60°	1393.6	20.7
60°-70°	1576.8	23.4
70°-80°	1108.6	16.5
80°-90°	200.4	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°	6727.0	100.0
0°-180°	6727.0	100.0

**Coefficient of Utilization**

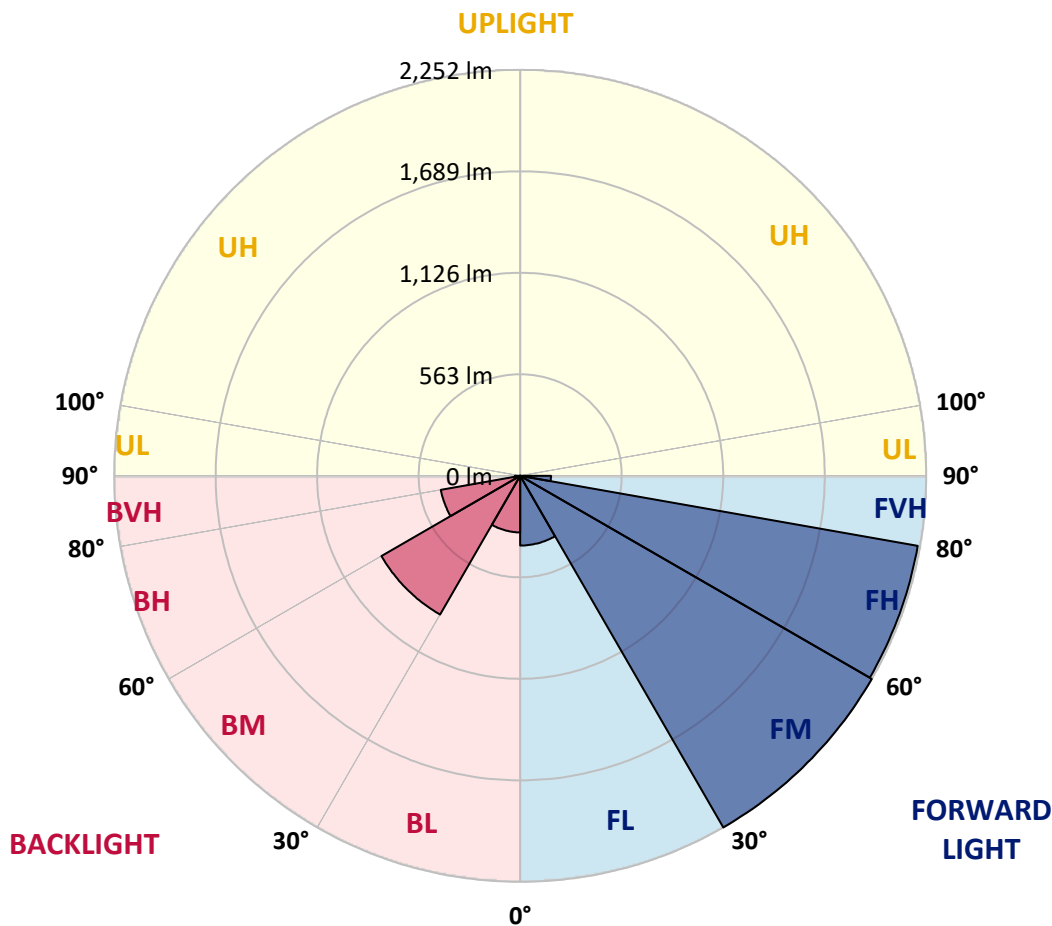


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	386.7	5.7			
FM (30°-60°)	2252.1	33.5			
FH (60°-80°)	2239.0	33.3			G2/5000
FVH (80°-90°)	171.0	2.5			G2/225
BL (0°-30°)	313.7	4.7	B1/500		
BM (30°-60°)	888.7	13.2	B1/1000		
BH (60°-80°)	446.4	6.6	B1/500		G1/500
BVH (80°-90°)	29.4	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°	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1
2.5°	700.6	704.8	703.4	704.8	704.8	699.2	696.4	690.7	690.7	690.7	687.9
5°	728.7	731.5	727.3	728.7	728.7	723.1	716.1	707.6	704.8	699.2	695.0
7.5°	747.0	752.6	754.1	755.5	755.5	754.1	748.4	738.6	731.5	727.3	717.5
10°	775.2	775.2	779.4	783.6	792.0	792.0	783.6	776.6	772.3	765.3	748.4
12.5°	789.2	792.0	796.3	803.3	813.1	821.6	817.4	811.7	806.1	800.5	780.8
15°	799.1	799.1	806.1	820.2	835.6	842.7	845.5	845.5	842.7	837.1	816.0
17.5°	816.0	816.0	824.4	839.9	852.5	866.6	882.1	887.7	890.5	882.1	863.8
20°	845.5	848.3	852.5	862.4	873.6	896.1	924.3	941.2	942.6	936.9	921.5
22.5°	875.0	873.6	876.4	889.1	907.4	935.5	970.7	997.4	1000.2	1000.2	987.6
25°	915.8	911.6	910.2	921.5	945.4	979.1	1019.9	1053.7	1065.0	1067.8	1080.4
27.5°	956.6	962.3	956.6	966.5	986.2	1027.0	1080.4	1129.7	1145.1	1152.2	1207.0
30°	1065.0	1070.6	1049.5	1025.6	1038.2	1084.7	1148.0	1222.5	1243.6	1271.8	1359.0
32.5°	1214.1	1212.7	1212.7	1155.0	1105.8	1153.6	1219.7	1311.1	1356.2	1425.1	1529.2
35°	1349.1	1349.1	1344.9	1301.3	1239.4	1219.7	1301.3	1416.7	1492.6	1627.7	1706.5
37.5°	1467.3	1471.5	1477.2	1429.3	1391.3	1339.3	1392.7	1537.6	1657.2	1827.4	1899.2
40°	1571.4	1571.4	1592.5	1560.2	1533.4	1485.6	1489.8	1667.1	1844.3	2025.8	2077.9
42.5°	1653.0	1662.9	1692.4	1667.1	1672.7	1646.0	1609.4	1779.6	2018.8	2197.4	2245.3
45°	1719.1	1724.8	1751.5	1765.5	1803.5	1807.8	1768.4	1914.7	2190.4	2367.7	2397.2
47.5°	1767.0	1768.4	1792.3	1844.3	1920.3	1945.6	1930.1	2052.5	2360.6	2536.5	2542.1
50°	1789.5	1793.7	1842.9	1918.9	2035.7	2093.3	2121.5	2234.0	2539.3	2692.6	2692.6
52.5°	1809.2	1820.4	1883.7	1978.0	2135.5	2232.6	2277.6	2470.4	2716.6	2851.6	2846.0
55°	1821.8	1837.3	1899.2	2014.6	2204.5	2355.0	2426.7	2718.0	2943.0	3037.3	2993.7
57.5°	1743.0	1762.7	1872.5	2017.4	2250.9	2445.0	2589.9	2968.4	3197.7	3248.3	3142.8
60°	1612.2	1629.1	1754.3	1983.6	2241.0	2525.2	2768.6	3258.2	3487.5	3505.8	3301.8
62.5°	1477.2	1495.4	1613.6	1878.1	2174.9	2536.5	2933.2	3657.7	3881.4	3830.7	3479.0
65°	1308.3	1318.2	1440.6	1686.8	2044.1	2491.5	3061.2	4022.1	4297.8	4238.7	3653.5
67.5°	1107.2	1114.2	1222.5	1453.2	1814.8	2355.0	3154.1	4299.2	4480.7	4408.9	3791.4
70°	841.3	830.0	918.6	1155.0	1526.4	2104.6	3175.2	4392.1	4511.6	4456.8	3806.8
72.5°	457.2	457.2	575.4	766.7	1105.8	1696.6	3095.0	4347.0	4417.4	4347.0	3664.7
75°	83.0	90.0	136.5	267.3	550.1	1136.7	2703.9	4088.2	4196.5	4089.6	3379.2
77.5°	52.1	53.5	70.3	105.5	170.2	424.9	1768.4	3678.8	3835.0	3732.3	2927.6
80°	38.0	38.0	50.6	76.0	121.0	167.4	664.0	2847.4	3092.2	3064.0	2203.1
82.5°	26.7	28.1	36.6	54.9	83.0	116.8	195.5	1326.6	1616.4	1655.8	1057.9
85°	16.9	18.3	25.3	36.6	54.9	68.9	78.8	557.1	790.6	820.2	457.2
87.5°	8.4	9.8	15.5	23.9	33.8	40.8	38.0	35.2	36.6	40.8	21.1
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°	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1	685.1
2.5°	685.1	683.7	680.9	678.1	675.3	671.0	666.8	661.2	659.8	657.0	655.6
5°	692.2	687.9	682.3	676.7	669.6	661.2	654.2	648.5	645.7	644.3	645.7
7.5°	713.3	706.2	697.8	689.3	676.7	665.4	654.2	647.1	640.1	637.3	637.3
10°	742.8	734.4	721.7	706.2	689.3	675.3	661.2	648.5	638.7	634.5	634.5
12.5°	773.7	763.9	748.4	727.3	707.6	686.5	669.6	651.4	637.3	628.8	628.8
15°	808.9	799.1	776.6	756.9	735.8	711.8	685.1	657.0	634.5	619.0	617.6
17.5°	852.5	844.1	823.0	804.7	778.0	744.2	702.0	655.6	619.0	595.1	593.7
20°	915.8	906.0	887.7	863.8	821.6	768.1	706.2	647.1	597.9	565.5	564.1
22.5°	989.0	996.0	974.9	915.8	851.1	782.2	707.6	633.1	566.9	530.4	527.6
25°	1095.9	1104.3	1043.9	956.6	872.2	778.0	693.6	607.7	524.7	485.3	482.5
27.5°	1222.5	1198.6	1105.8	989.0	873.6	768.1	671.0	558.5	478.3	434.7	429.1
30°	1356.2	1318.2	1173.3	1011.5	861.0	747.0	617.6	502.2	443.1	405.2	398.1
32.5°	1501.1	1447.6	1246.4	1029.8	842.7	704.8	558.5	481.1	426.3	381.2	377.0
35°	1674.1	1585.5	1321.0	1035.4	813.1	647.1	509.3	468.5	412.2	363.0	355.9
37.5°	1840.1	1730.4	1405.4	1034.0	772.3	569.8	485.3	444.6	392.5	354.5	351.7
40°	2010.3	1879.5	1503.9	1031.2	720.3	500.8	458.6	417.8	374.2	346.1	341.9
42.5°	2166.5	2016.0	1603.8	1021.3	641.5	468.5	431.9	398.1	360.1	319.3	312.3
45°	2304.4	2144.0	1678.3	1003.1	557.1	436.1	400.9	372.8	340.4	296.8	289.8
47.5°	2439.4	2257.9	1758.5	965.1	474.1	406.6	368.6	344.7	312.3	272.9	264.5
50°	2559.0	2359.2	1803.5	884.9	420.6	375.6	332.0	308.1	270.1	232.1	229.3
52.5°	2685.6	2502.7	1845.7	745.6	364.4	339.0	295.4	264.5	232.1	212.4	205.4
55°	2816.4	2649.0	1886.5	572.6	316.5	308.1	256.0	219.5	185.7	175.9	180.1
57.5°	2944.5	2758.8	1869.7	402.3	287.0	268.7	215.2	177.3	150.5	151.9	160.4
60°	3085.1	2844.6	1751.5	274.3	260.3	219.5	180.1	151.9	132.2	125.2	123.8
62.5°	3214.6	2896.6	1498.3	233.5	230.7	192.7	163.2	137.9	122.4	108.3	104.1
65°	3313.0	2874.1	1176.1	212.4	208.2	184.3	156.2	130.8	114.0	92.8	88.6
67.5°	3322.9	2715.1	866.6	194.1	194.1	184.3	156.2	123.8	83.0	71.7	71.7
70°	3201.9	2402.8	565.5	185.7	187.1	181.5	150.5	99.9	77.4	54.9	52.1
72.5°	2975.4	2056.8	280.0	168.8	181.5	160.4	136.5	102.7	73.2	50.6	47.8
75°	2595.6	1613.6	144.9	154.7	150.5	140.7	136.5	104.1	68.9	40.8	36.6
77.5°	2113.0	970.7	121.0	139.3	121.0	130.8	122.4	98.5	64.7	39.4	36.6
80°	1164.8	381.2	97.1	94.3	99.9	104.1	112.5	94.3	70.3	45.0	42.2
82.5°	469.9	84.4	53.5	63.3	68.9	87.2	101.3	91.4	67.5	45.0	43.6
85°	122.4	25.3	23.9	33.8	50.6	71.7	85.8	70.3	49.2	39.4	38.0
87.5°	8.4	8.4	11.3	16.9	16.9	8.4	1.4	1.4	1.4	1.4	2.8
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)