

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: P510951

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

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510951
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-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 880mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6198 lumens
Efficiency: N/A
Efficacy: 126.2 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



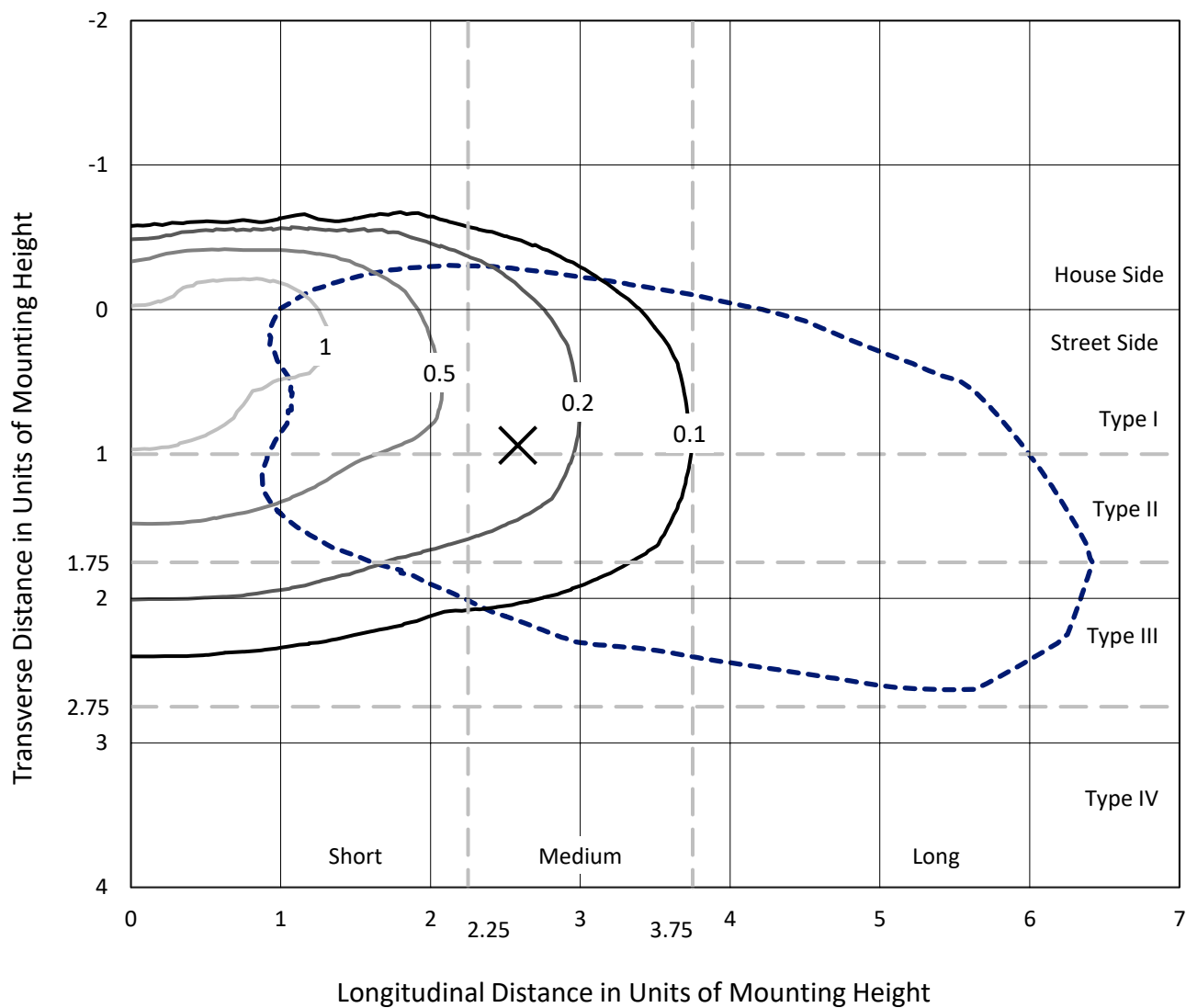
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

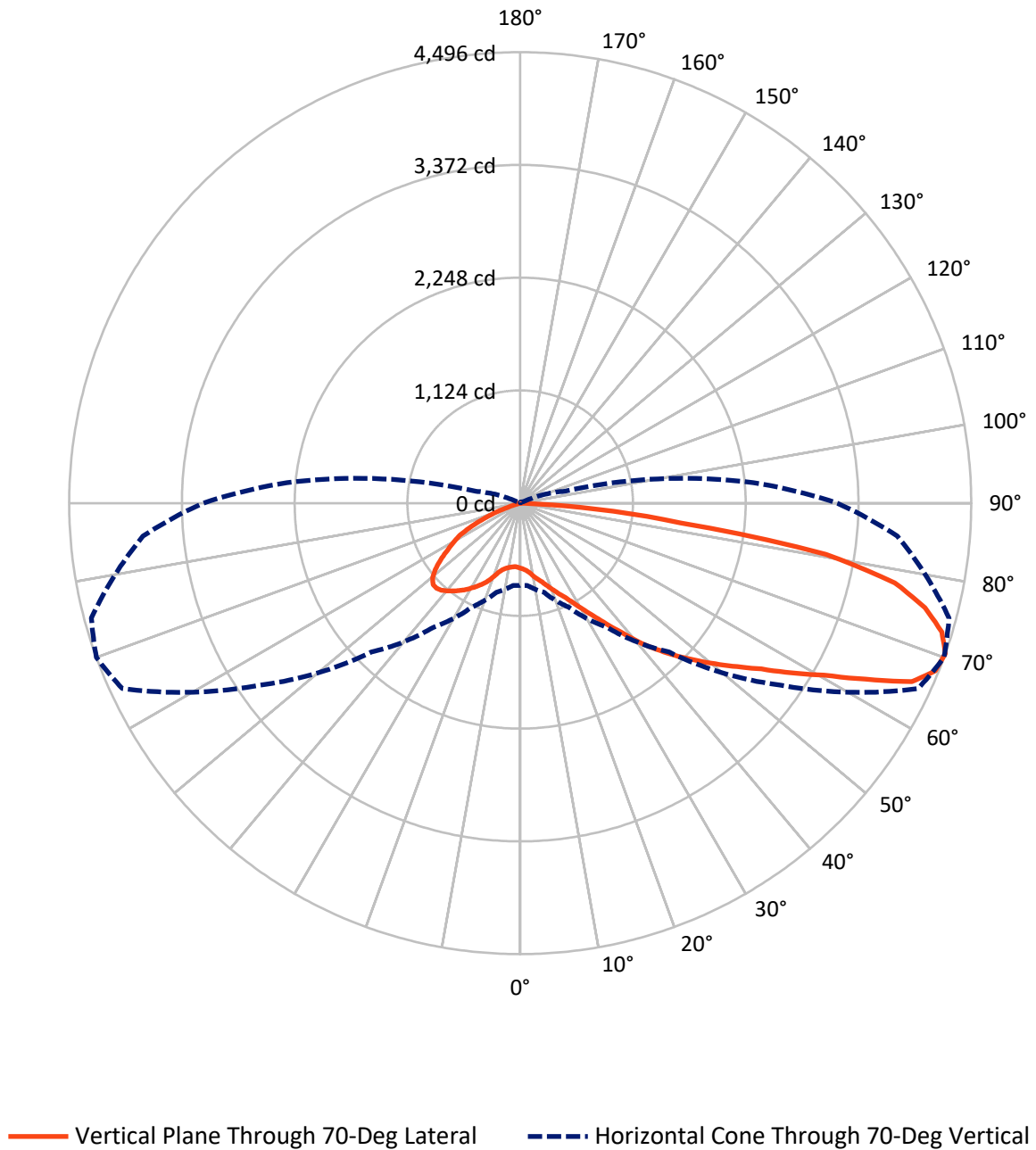


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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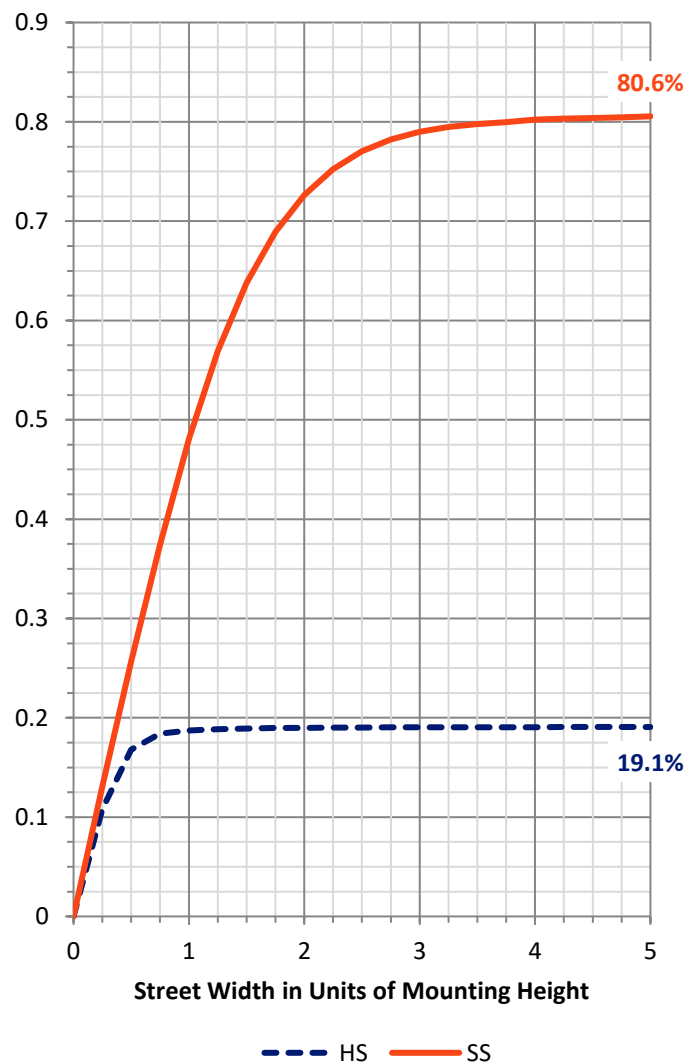
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1195.0	0.0	1195.0
	% Fixture	19.3	0.0	19.3
Street Side	Lumens	5003.0	0.0	5003.0
	% Fixture	80.7	0.0	80.7
Total	Lumens	6198.0	0.0	6198.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.4	1.0
10°-20°	197.1	3.2
20°-30°	362.0	5.8
30°-40°	605.3	9.8
40°-50°	947.2	15.3
50°-60°	1291.3	20.8
60°-70°	1503.5	24.3
70°-80°	1051.2	17.0
80°-90°	178.0	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°	6198.0	100.0
0°-180°	6198.0	100.0

Coefficient of Utilization



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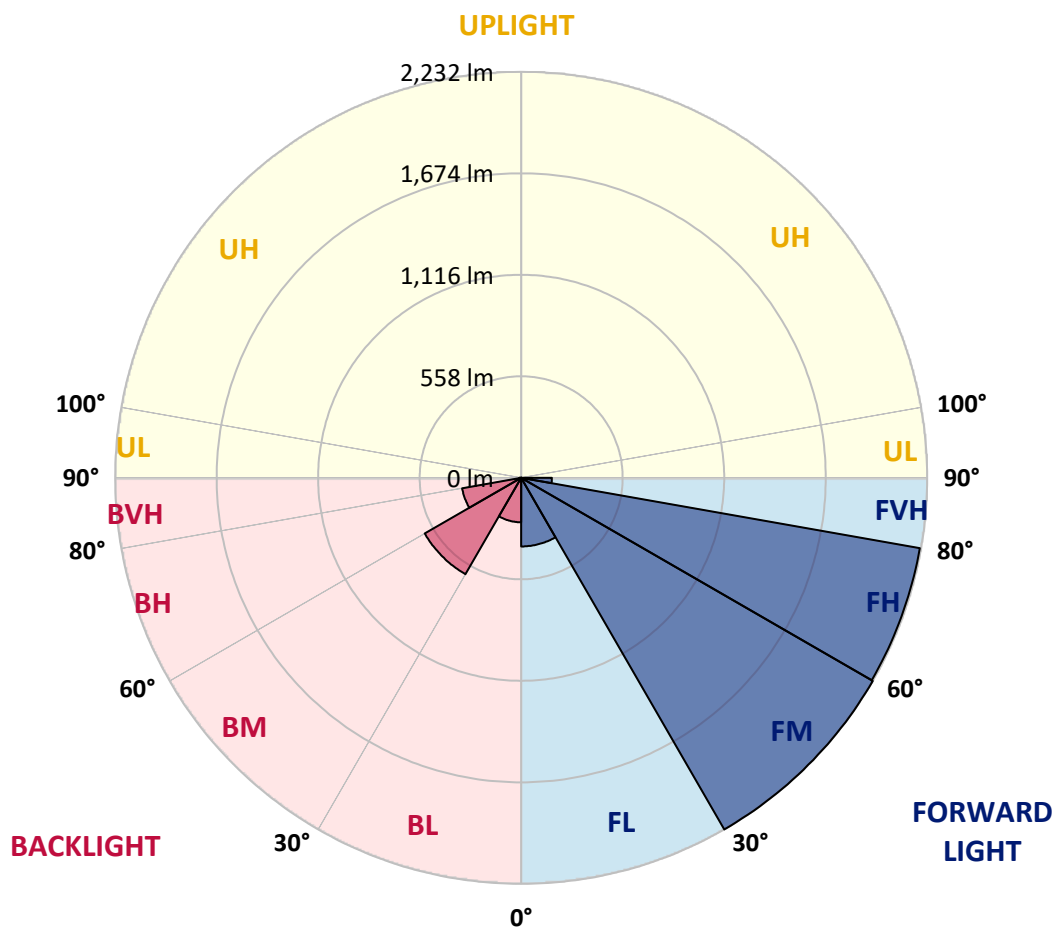
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	377.2	6.1			
FM	(30°-60°)	2231.8	36.0			
FH	(60°-80°)	2225.2	35.9			G2/5000
FVH	(80°-90°)	168.8	2.7			G2/225
BL	(0°-30°)	244.3	3.9	B1/500		
BM	(30°-60°)	612.0	9.9	B1/1000		
BH	(60°-80°)	329.5	5.3	B1/500		G1/500
BVH	(80°-90°)	9.2	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°	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5
2.5°	672.4	676.7	675.3	676.7	675.3	671.0	665.4	659.8	658.4	657.0	652.8
5°	702.0	704.8	702.0	703.4	700.6	695.0	686.5	678.1	675.3	669.6	659.8
7.5°	727.3	730.1	730.1	734.3	732.9	730.1	720.3	710.4	702.0	696.4	683.7
10°	754.0	755.5	756.9	762.5	766.7	766.7	758.3	749.8	742.8	732.9	713.2
12.5°	770.9	772.3	775.1	782.2	792.0	797.7	793.4	785.0	778.0	769.5	744.2
15°	778.0	779.4	786.4	799.1	813.1	821.6	823.0	817.3	814.5	806.1	780.8
17.5°	796.2	799.1	803.3	820.2	831.4	845.5	858.1	866.6	863.8	855.3	828.6
20°	824.4	828.6	831.4	844.1	852.5	877.8	903.2	918.6	917.2	911.6	884.9
22.5°	859.6	861.0	863.8	872.2	887.7	915.8	951.0	969.3	977.7	972.1	951.0
25°	898.9	898.9	896.1	908.8	929.9	960.8	1003.0	1034.0	1039.6	1043.8	1048.1
27.5°	945.4	946.8	942.6	953.8	973.5	1010.1	1062.1	1105.7	1122.6	1128.3	1169.0
30°	1056.5	1055.1	1038.2	1007.3	1031.2	1072.0	1126.8	1200.0	1223.9	1249.2	1325.2
32.5°	1201.4	1198.6	1198.6	1131.1	1093.1	1138.1	1200.0	1292.8	1337.9	1408.2	1494.0
35°	1335.1	1335.1	1330.8	1292.8	1219.7	1209.8	1277.4	1401.2	1475.7	1603.7	1674.1
37.5°	1453.2	1453.2	1460.3	1418.1	1370.2	1316.8	1375.8	1517.9	1629.1	1796.5	1848.5
40°	1561.5	1565.8	1571.4	1550.3	1513.7	1470.1	1475.7	1647.4	1820.4	2003.3	2044.1
42.5°	1638.9	1650.2	1683.9	1658.6	1664.2	1637.5	1593.9	1769.8	1993.4	2174.9	2210.1
45°	1712.1	1716.3	1741.6	1757.1	1795.1	1783.8	1752.9	1895.0	2165.1	2347.9	2355.0
47.5°	1764.1	1764.1	1786.6	1838.7	1907.6	1928.7	1917.5	2035.6	2338.1	2501.3	2508.3
50°	1783.8	1786.6	1837.3	1911.8	2027.2	2069.4	2084.9	2218.5	2518.2	2668.7	2649.0
52.5°	1806.3	1816.2	1882.3	1975.1	2128.5	2212.9	2250.9	2459.1	2706.7	2834.7	2793.9
55°	1817.6	1835.9	1896.4	2011.7	2201.6	2335.3	2398.6	2687.0	2917.7	3004.9	2961.3
57.5°	1730.4	1759.9	1869.6	2013.1	2248.1	2435.2	2561.8	2943.0	3192.0	3215.9	3099.2
60°	1610.8	1624.9	1752.9	1979.4	2235.4	2515.4	2750.3	3249.7	3479.0	3488.9	3268.0
62.5°	1480.0	1480.0	1605.2	1865.4	2177.7	2526.6	2921.9	3632.4	3865.9	3782.9	3445.2
65°	1306.9	1316.8	1440.6	1678.3	2048.3	2481.6	3052.8	4009.4	4290.7	4212.0	3621.1
67.5°	1090.3	1098.7	1209.8	1434.9	1806.3	2347.9	3141.4	4290.7	4463.8	4393.4	3754.7
70°	818.8	824.4	920.0	1143.7	1510.9	2098.9	3163.9	4376.5	4496.1	4425.8	3774.4
72.5°	462.8	448.8	559.9	752.6	1093.1	1706.4	3076.7	4327.3	4394.8	4317.5	3622.5
75°	70.3	83.0	119.6	277.1	561.3	1119.8	2716.5	4092.4	4168.3	4076.9	3342.6
77.5°	50.6	52.1	67.5	101.3	170.2	410.8	1730.4	3680.2	3818.0	3706.9	2898.0
80°	36.6	36.6	47.8	71.7	115.4	159.0	668.2	2732.0	3090.7	3048.5	2169.3
82.5°	25.3	26.7	33.8	52.1	80.2	112.5	192.7	1308.3	1610.8	1654.4	1066.4
85°	16.9	16.9	23.9	36.6	53.5	68.9	77.4	564.1	763.9	794.8	446.0
87.5°	9.8	9.8	14.1	22.5	33.8	42.2	38.0	45.0	39.4	36.6	19.7
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°	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5
2.5°	649.9	647.1	641.5	637.3	631.7	624.6	617.6	614.8	607.7	606.3	602.1
5°	655.6	649.9	640.1	628.8	614.8	600.7	585.2	576.8	569.8	564.1	568.3
7.5°	675.3	665.4	649.9	630.2	606.3	583.8	564.1	547.2	537.4	533.2	533.2
10°	702.0	689.3	664.0	634.5	602.1	572.6	543.0	520.5	505.0	498.0	496.6
12.5°	731.5	716.1	682.3	641.5	602.1	561.3	527.5	496.6	475.5	465.7	464.2
15°	762.5	745.6	704.8	658.4	612.0	564.1	517.7	476.9	447.4	430.5	429.1
17.5°	808.9	789.2	741.4	692.1	635.9	575.4	514.9	455.8	409.4	386.9	384.1
20°	865.2	845.5	803.3	738.6	664.0	583.8	499.4	423.4	368.6	339.0	339.0
22.5°	936.9	938.3	876.4	782.2	680.9	578.2	481.1	388.3	313.7	275.7	272.9
25°	1048.1	1041.0	945.4	815.9	689.3	559.9	446.0	325.0	237.7	201.2	194.1
27.5°	1176.1	1139.5	1008.7	842.7	682.3	538.8	391.1	243.4	159.0	126.6	122.4
30°	1302.7	1250.6	1070.6	868.0	668.2	493.8	302.5	151.9	101.3	84.4	81.6
32.5°	1453.2	1380.1	1143.7	886.3	651.3	424.9	204.0	95.7	66.1	56.3	53.5
35°	1619.2	1510.9	1218.3	893.3	617.6	333.4	118.2	59.1	40.8	40.8	42.2
37.5°	1790.9	1672.7	1301.3	891.9	558.5	222.3	73.2	33.8	33.8	40.8	43.6
40°	1958.3	1813.4	1388.5	880.7	467.1	128.0	38.0	28.1	30.9	38.0	39.4
42.5°	2117.2	1940.0	1480.0	858.1	347.5	71.7	29.5	26.7	29.5	32.4	32.4
45°	2257.9	2077.8	1554.5	824.4	218.1	38.0	28.1	25.3	25.3	26.7	28.1
47.5°	2381.7	2193.2	1617.8	758.3	116.8	35.2	26.7	23.9	22.5	23.9	23.9
50°	2505.5	2294.5	1643.1	652.8	54.9	35.2	26.7	22.5	21.1	25.3	25.3
52.5°	2625.1	2409.8	1634.7	512.1	39.4	32.4	25.3	22.5	21.1	26.7	28.1
55°	2754.5	2521.0	1620.6	325.0	39.4	30.9	23.9	19.7	19.7	19.7	21.1
57.5°	2878.3	2620.9	1596.7	136.5	38.0	28.1	21.1	16.9	15.5	16.9	16.9
60°	3013.4	2732.0	1492.6	54.9	36.6	25.3	18.3	15.5	12.7	14.1	14.1
62.5°	3156.9	2802.3	1309.7	43.6	33.8	22.5	15.5	12.7	11.3	11.3	12.7
65°	3263.8	2803.7	1029.8	38.0	32.4	19.7	14.1	11.3	9.8	9.8	9.8
67.5°	3276.4	2642.0	751.2	33.8	29.5	16.9	11.3	9.8	8.4	7.0	8.4
70°	3161.1	2333.9	458.6	32.4	25.3	14.1	9.8	8.4	7.0	5.6	7.0
72.5°	2933.2	1989.2	180.1	29.5	22.5	11.3	8.4	8.4	5.6	4.2	4.2
75°	2574.4	1553.1	45.0	26.7	19.7	9.8	7.0	7.0	5.6	2.8	2.8
77.5°	2068.0	913.0	33.8	22.5	16.9	7.0	5.6	5.6	2.8	2.8	2.8
80°	1155.0	344.7	25.3	15.5	9.8	5.6	2.8	2.8	2.8	2.8	2.8
82.5°	458.6	71.7	18.3	8.4	5.6	2.8	1.4	1.4	1.4	2.8	2.8
85°	98.5	22.5	11.3	5.6	2.8	1.4	1.4	1.4	1.4	1.4	2.8
87.5°	7.0	7.0	4.2	4.2	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)