

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: P853364

Luminaire Tested: **CRTK-N-30-750-U-T2R**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853364
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-30-750-U-T2R
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4701 lumens
Efficiency: N/A
Efficacy: 145.5 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 32.3
Input Voltage (V): 120.0
Input Current (Ain): 0.271
Voltage Rise (V): NR
Power Factor: 0.993
Total Harmonic Distortion (THDi): 10.1%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



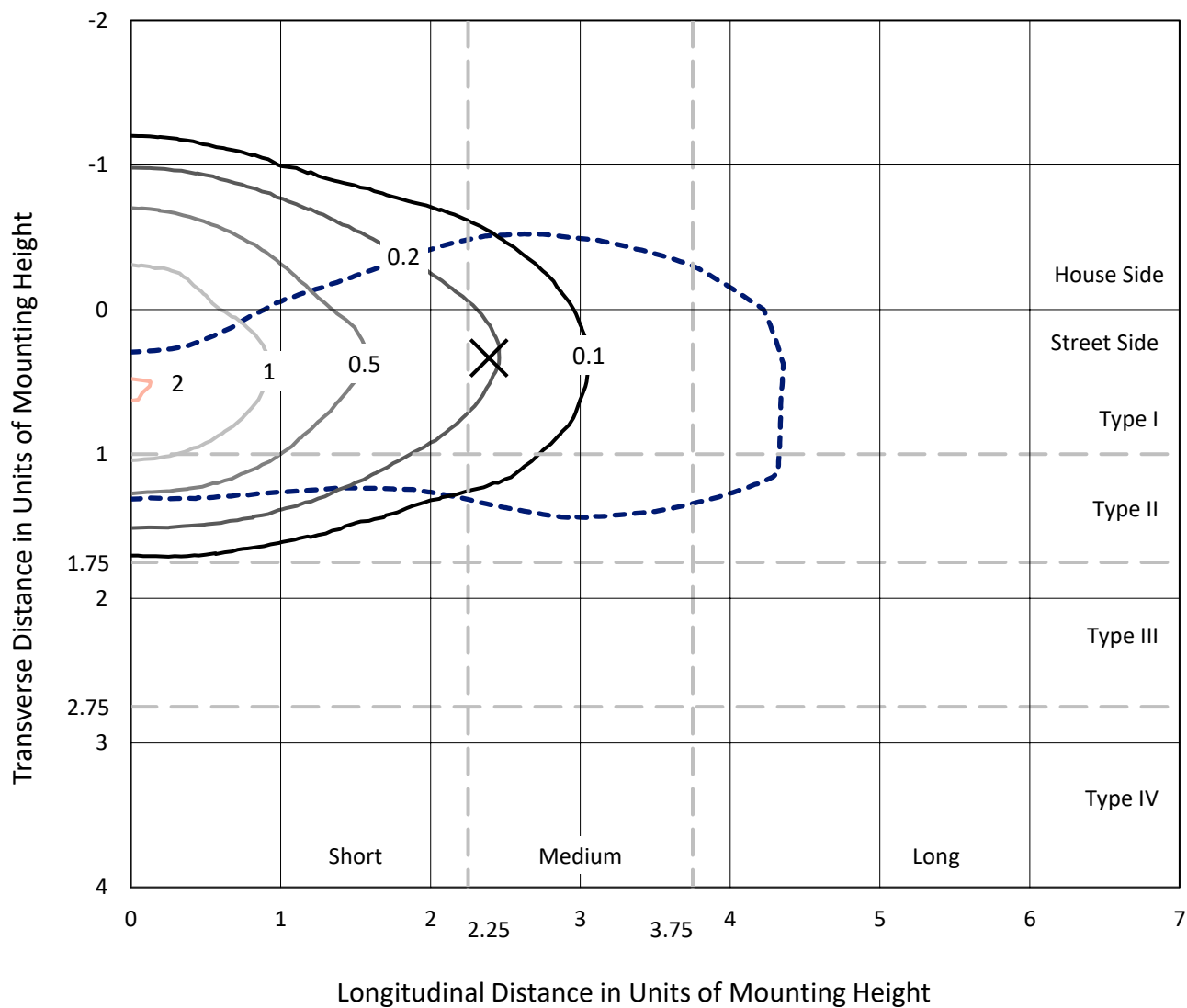
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Iso-Footcandle Lines of Horizontal Illumination

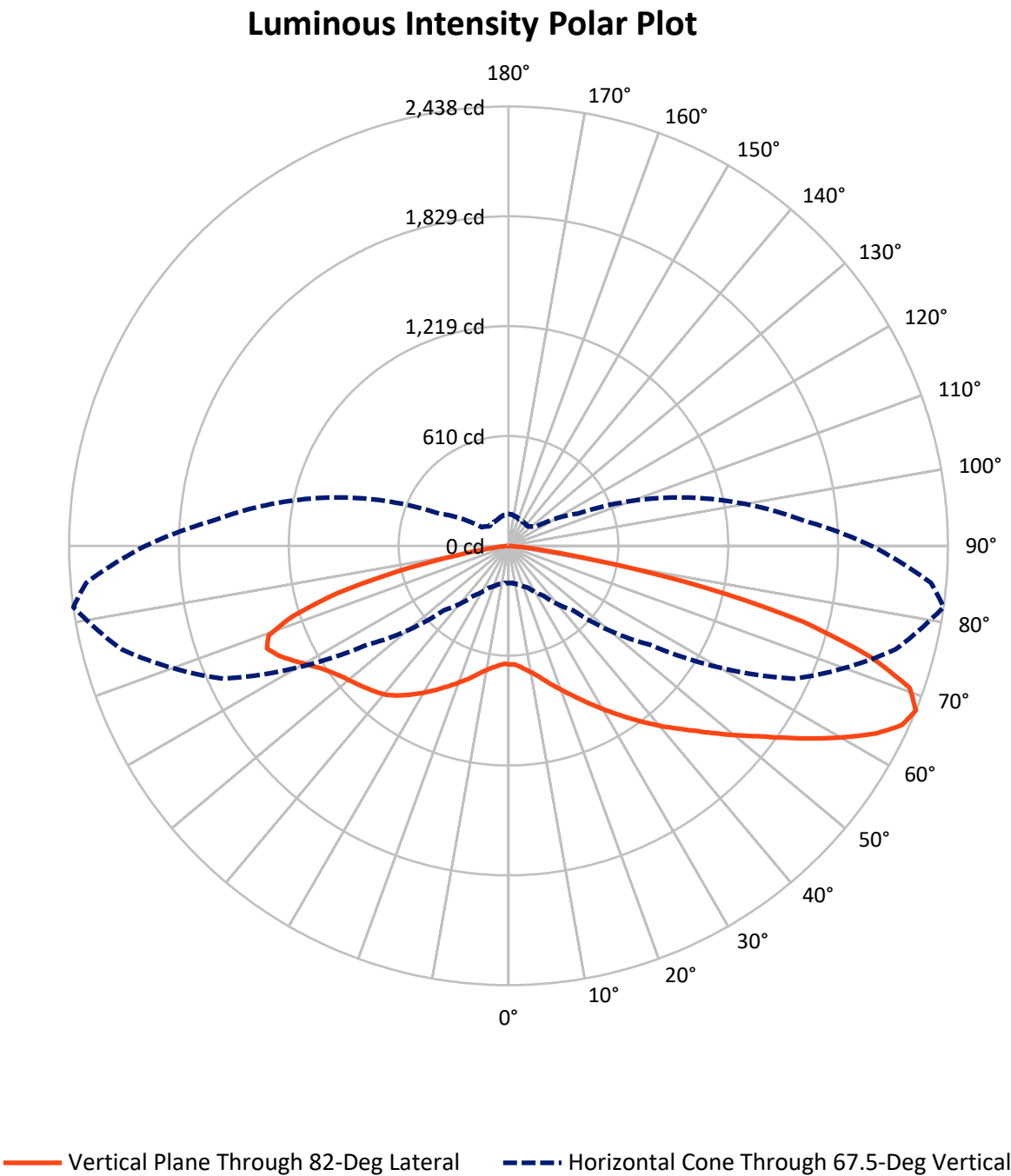
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
Type II - Medium - N/A

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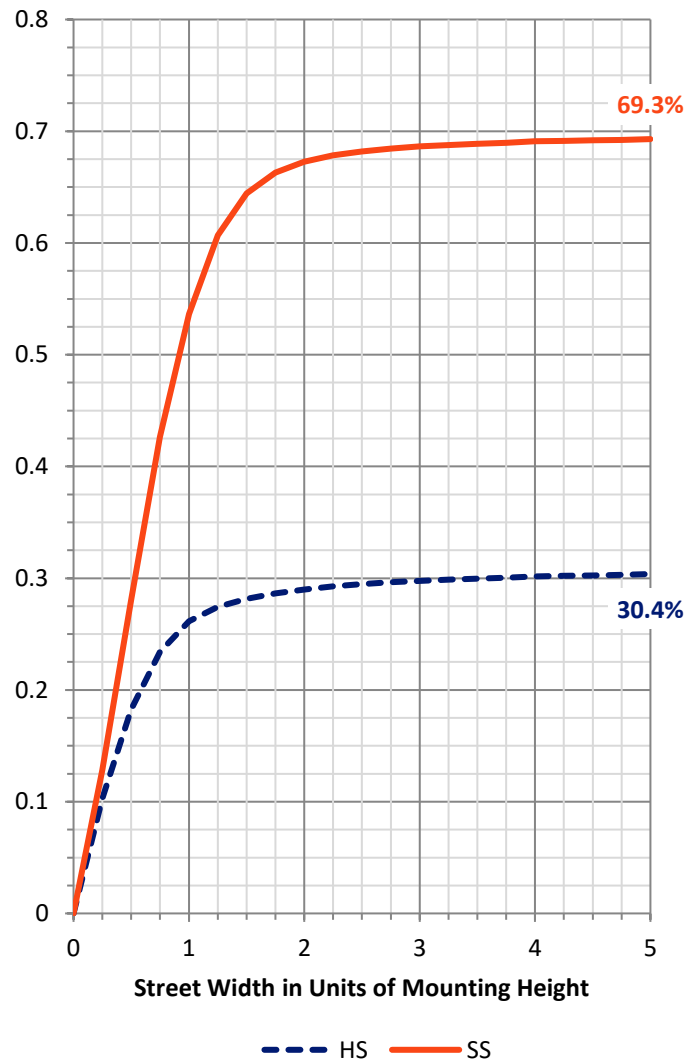
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1440.8	0.0	1440.8
	% Fixture	30.6	0.0	30.6
Street Side	Lumens	3260.2	0.0	3260.2
	% Fixture	69.4	0.0	69.4
Total	Lumens	4701.0	0.0	4701.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.1	1.4
10°-20°	245.2	5.2
20°-30°	493.1	10.5
30°-40°	777.2	16.5
40°-50°	952.3	20.3
50°-60°	906.6	19.3
60°-70°	760.7	16.2
70°-80°	450.3	9.6
80°-90°	47.6	1.0
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°	4701.0	100.0
0°-180°	4701.0	100.0

Coefficient of Utilization



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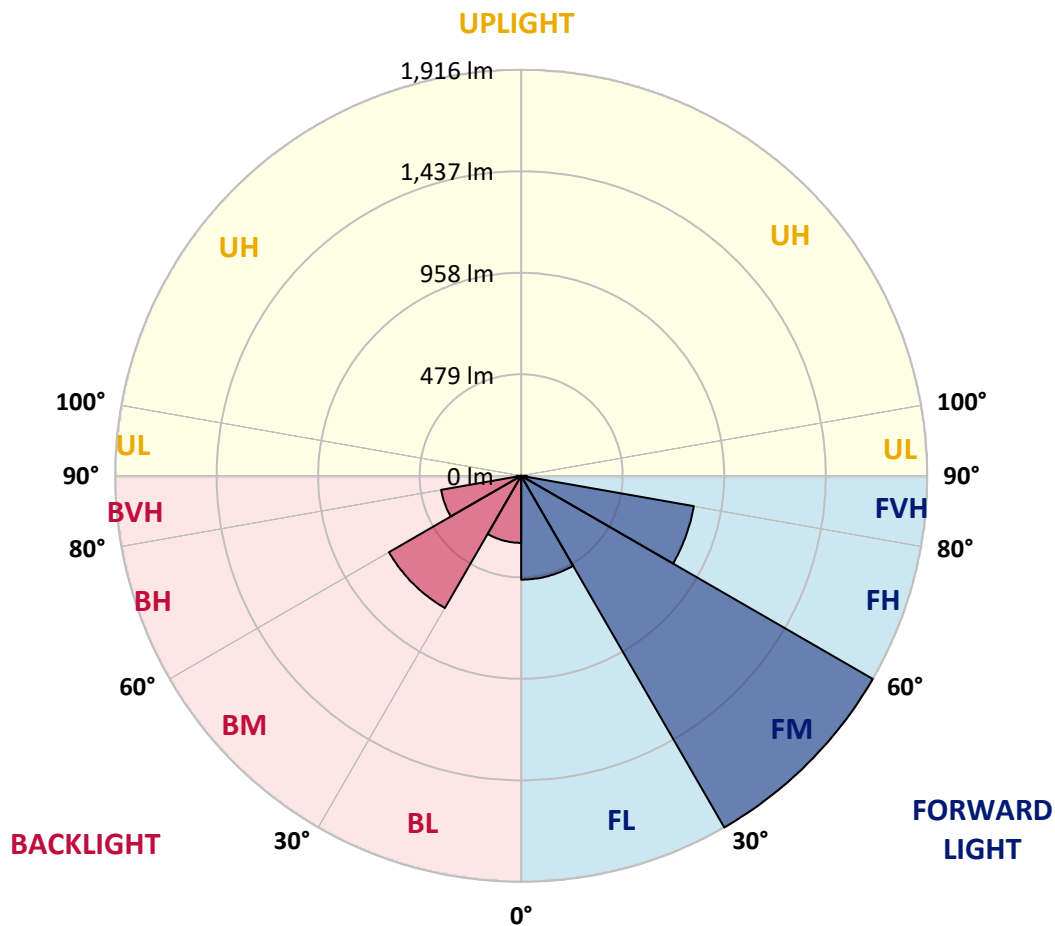
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	489.9	10.4			
FM	(30°-60°)	1915.8	40.8			
FH	(60°-80°)	827.5	17.6			G1/1800
FVH	(80°-90°)	27.0	0.6			G1/100
BL	(0°-30°)	316.5	6.7	B1/500		
BM	(30°-60°)	720.3	15.3	B1/1000		
BH	(60°-80°)	383.5	8.2	B1/500		G1/500
BVH	(80°-90°)	20.5	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-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	657.9	657.9	657.9	657.9	657.9	657.9	657.9	657.9	657.9	657.9	657.9
2.5°	688.0	689.3	691.9	689.3	688.0	682.8	677.5	674.9	669.7	659.2	656.6
5°	752.1	753.4	756.0	745.5	740.3	725.9	712.8	701.1	688.0	673.6	671.0
7.5°	830.6	835.8	831.9	816.2	800.5	779.5	757.3	736.4	712.8	694.5	689.3
10°	918.2	926.0	918.2	894.7	873.7	839.7	805.7	774.3	740.3	715.5	708.9
12.5°	1021.5	1022.8	1018.9	986.2	957.4	910.3	863.3	821.4	776.9	744.2	735.1
15°	1134.0	1143.2	1130.1	1089.5	1049.0	988.8	928.7	875.0	820.1	779.5	769.1
17.5°	1255.6	1259.6	1249.1	1199.4	1148.4	1072.5	998.0	931.3	864.6	817.5	804.4
20°	1382.5	1385.1	1372.1	1306.7	1250.4	1160.2	1071.2	990.1	911.7	856.7	839.7
22.5°	1513.3	1517.2	1493.7	1425.7	1356.4	1254.3	1149.7	1050.3	964.0	899.9	879.0
25°	1670.3	1670.3	1640.2	1559.1	1475.4	1359.0	1240.0	1123.5	1021.5	948.3	922.1
27.5°	1831.2	1823.3	1797.1	1704.3	1603.6	1470.2	1336.7	1207.3	1086.9	1000.6	970.5
30°	1976.3	1975.0	1943.6	1842.9	1727.8	1580.0	1432.2	1292.3	1156.2	1056.8	1022.8
32.5°	2082.3	2083.6	2054.8	1962.0	1840.3	1687.3	1527.7	1376.0	1224.3	1115.7	1080.4
35°	2159.5	2159.5	2135.9	2053.5	1938.4	1789.3	1627.1	1464.9	1298.8	1179.8	1141.9
37.5°	2184.3	2179.1	2168.6	2105.8	2006.4	1875.6	1725.2	1559.1	1377.3	1246.5	1200.7
40°	2146.4	2135.9	2146.4	2108.4	2036.5	1937.1	1810.2	1654.6	1459.7	1317.1	1262.2
42.5°	2065.3	2050.9	2071.8	2053.5	2022.1	1968.5	1874.3	1744.8	1546.0	1387.8	1323.7
45°	1959.3	1939.7	1964.6	1960.6	1955.4	1959.3	1912.3	1824.6	1640.2	1466.2	1394.3
47.5°	1803.7	1774.9	1827.2	1848.2	1866.5	1908.3	1916.2	1888.7	1739.6	1556.5	1471.5
50°	1551.3	1529.0	1620.6	1697.7	1755.3	1825.9	1882.2	1925.3	1840.3	1653.3	1556.5
52.5°	1228.2	1204.6	1328.9	1487.2	1615.3	1725.2	1811.5	1933.2	1937.1	1756.6	1653.3
55°	893.3	901.2	1016.3	1205.9	1424.4	1608.8	1722.6	1913.6	2026.0	1880.9	1771.0
57.5°	634.4	640.9	740.3	898.6	1177.2	1458.4	1638.9	1869.1	2111.1	2016.9	1907.0
60°	432.9	452.6	525.8	646.1	898.6	1251.7	1553.9	1815.5	2175.2	2154.2	2050.9
62.5°	317.8	328.3	374.1	464.3	640.9	990.1	1427.0	1777.5	2217.0	2291.6	2175.2
65°	247.2	252.4	278.6	338.8	459.1	720.7	1224.3	1769.7	2232.7	2398.8	2300.7
67.5°	206.7	206.7	221.0	256.4	337.5	504.9	957.4	1744.8	2222.2	2438.1	2353.0
70°	174.0	172.7	184.4	206.7	253.7	359.7	674.9	1627.1	2166.0	2360.9	2287.6
72.5°	141.3	141.3	157.0	171.3	198.8	261.6	442.1	1374.7	1996.0	2095.4	2041.7
75°	113.8	112.5	124.3	143.9	157.0	191.0	277.3	1000.6	1700.4	1693.8	1636.3
77.5°	87.6	86.3	96.8	117.7	126.9	141.3	180.5	603.0	1179.8	1120.9	1124.9
80°	66.7	64.1	70.6	86.3	88.9	91.6	100.7	245.9	529.7	483.9	482.6
82.5°	41.9	41.9	44.5	54.9	52.3	53.6	45.8	82.4	187.0	159.6	164.8
85°	15.7	15.7	19.6	23.5	20.9	19.6	14.4	18.3	28.8	22.2	20.9
87.5°	1.3	1.3	1.3	2.6	2.6	2.6	1.3	1.3	1.3	1.3	2.6
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°	657.9	657.9	657.9	657.9	657.9	657.9	657.9	657.9	657.9	657.9	657.9
2.5°	655.3	655.3	655.3	656.6	652.7	650.1	646.1	643.5	643.5	644.8	647.4
5°	667.1	665.8	664.4	664.4	660.5	657.9	655.3	652.7	652.7	655.3	655.3
7.5°	682.8	680.1	676.2	676.2	673.6	671.0	669.7	667.1	668.4	669.7	671.0
10°	699.8	695.8	691.9	691.9	689.3	686.7	686.7	682.8	684.1	685.4	686.7
12.5°	723.3	719.4	711.5	714.2	711.5	708.9	706.3	702.4	699.8	702.4	702.4
15°	753.4	746.9	739.0	741.6	737.7	732.5	728.5	720.7	718.1	718.1	719.4
17.5°	784.8	776.9	766.5	769.1	762.5	753.4	744.2	735.1	731.2	729.8	729.8
20°	817.5	805.7	792.6	795.2	782.2	767.8	754.7	739.0	732.5	729.8	729.8
22.5°	850.2	837.1	820.1	817.5	797.9	775.6	754.7	735.1	723.3	720.7	719.4
25°	888.1	871.1	848.9	841.0	812.2	779.5	749.5	724.6	710.2	706.3	705.0
27.5°	930.0	907.7	879.0	860.6	820.1	775.6	736.4	706.3	689.3	682.8	682.8
30°	971.8	945.7	906.4	875.0	818.8	762.5	715.5	678.8	659.2	650.1	650.1
32.5°	1018.9	983.6	932.6	881.6	809.6	741.6	686.7	644.8	621.3	610.8	609.5
35°	1069.9	1026.8	954.8	884.2	795.2	715.5	654.0	608.2	584.7	571.6	570.3
37.5°	1123.5	1068.6	971.8	880.3	775.6	685.4	618.7	572.9	541.5	520.6	519.3
40°	1171.9	1107.8	984.9	869.8	750.8	652.7	582.0	520.6	477.4	453.9	451.2
42.5°	1216.4	1135.3	991.4	854.1	723.3	613.4	531.0	453.9	409.4	385.9	384.5
45°	1264.8	1164.1	990.1	835.8	686.7	569.0	466.9	388.5	349.2	329.6	328.3
47.5°	1317.1	1192.9	990.1	814.9	646.1	511.4	402.9	332.2	295.6	278.6	277.3
50°	1372.1	1224.3	986.2	790.0	599.0	443.4	340.1	278.6	249.8	236.7	236.7
52.5°	1437.5	1258.3	984.9	759.9	542.8	376.7	283.8	235.4	213.2	206.7	206.7
55°	1515.9	1300.1	987.5	723.3	477.4	311.3	239.4	205.4	192.3	189.7	189.7
57.5°	1614.0	1353.7	995.4	682.8	405.5	255.1	206.7	188.3	184.4	183.1	183.1
60°	1723.9	1419.1	1009.8	637.0	336.1	213.2	187.0	180.5	179.2	184.4	184.4
62.5°	1839.0	1492.4	1033.3	578.1	274.7	184.4	175.3	172.7	174.0	183.1	183.1
65°	1946.3	1568.3	1052.9	510.1	221.0	167.4	164.8	164.8	171.3	181.8	181.8
67.5°	2014.3	1636.3	1034.6	423.8	180.5	153.0	154.3	155.6	166.1	175.3	176.6
70°	1988.1	1632.3	927.3	320.5	149.1	140.0	143.9	146.5	153.0	166.1	170.0
72.5°	1806.3	1483.2	719.4	218.4	125.6	125.6	132.1	136.0	140.0	153.0	160.9
75°	1506.8	1202.0	480.0	143.9	104.6	113.8	120.3	121.6	125.6	137.3	141.3
77.5°	1054.2	784.8	264.2	96.8	82.4	92.9	100.7	105.9	111.2	116.4	119.0
80°	461.7	349.2	126.9	64.1	61.5	69.3	75.9	86.3	95.5	104.6	105.9
82.5°	151.7	122.9	57.6	36.6	36.6	44.5	51.0	64.1	74.6	88.9	88.9
85°	20.9	15.7	17.0	14.4	15.7	20.9	26.2	34.0	37.9	37.9	32.7
87.5°	2.6	2.6	2.6	2.6	2.6	3.9	3.9	3.9	2.6	2.6	1.3
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)