

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: P853403

Luminaire Tested: **CRTK-N-40-730-U-T3**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853403
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-40-730-U-T3
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

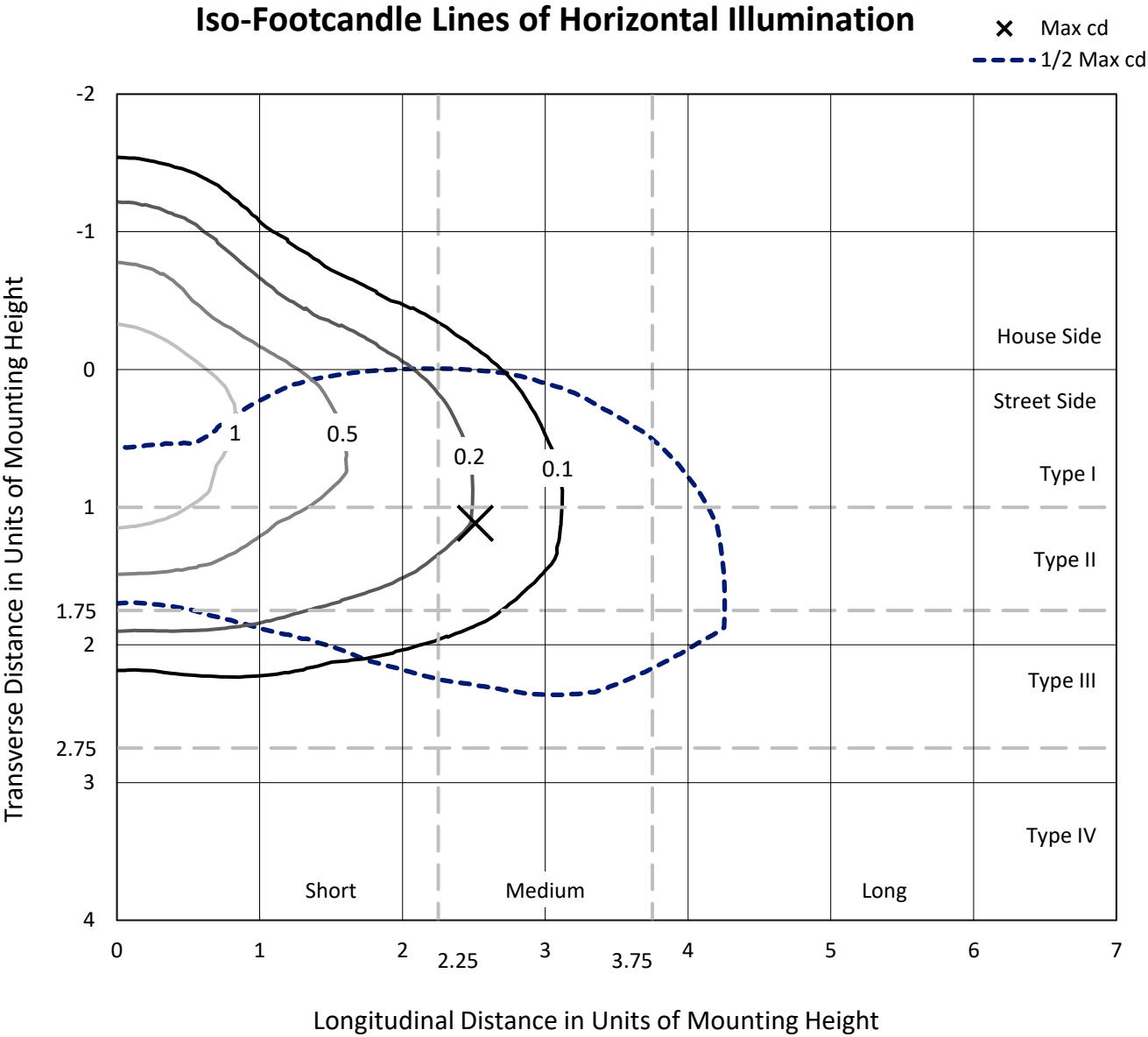
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5506 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 42.1
Input Voltage (V): 120.0
Input Current (Ain): 0.352
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 7.54%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

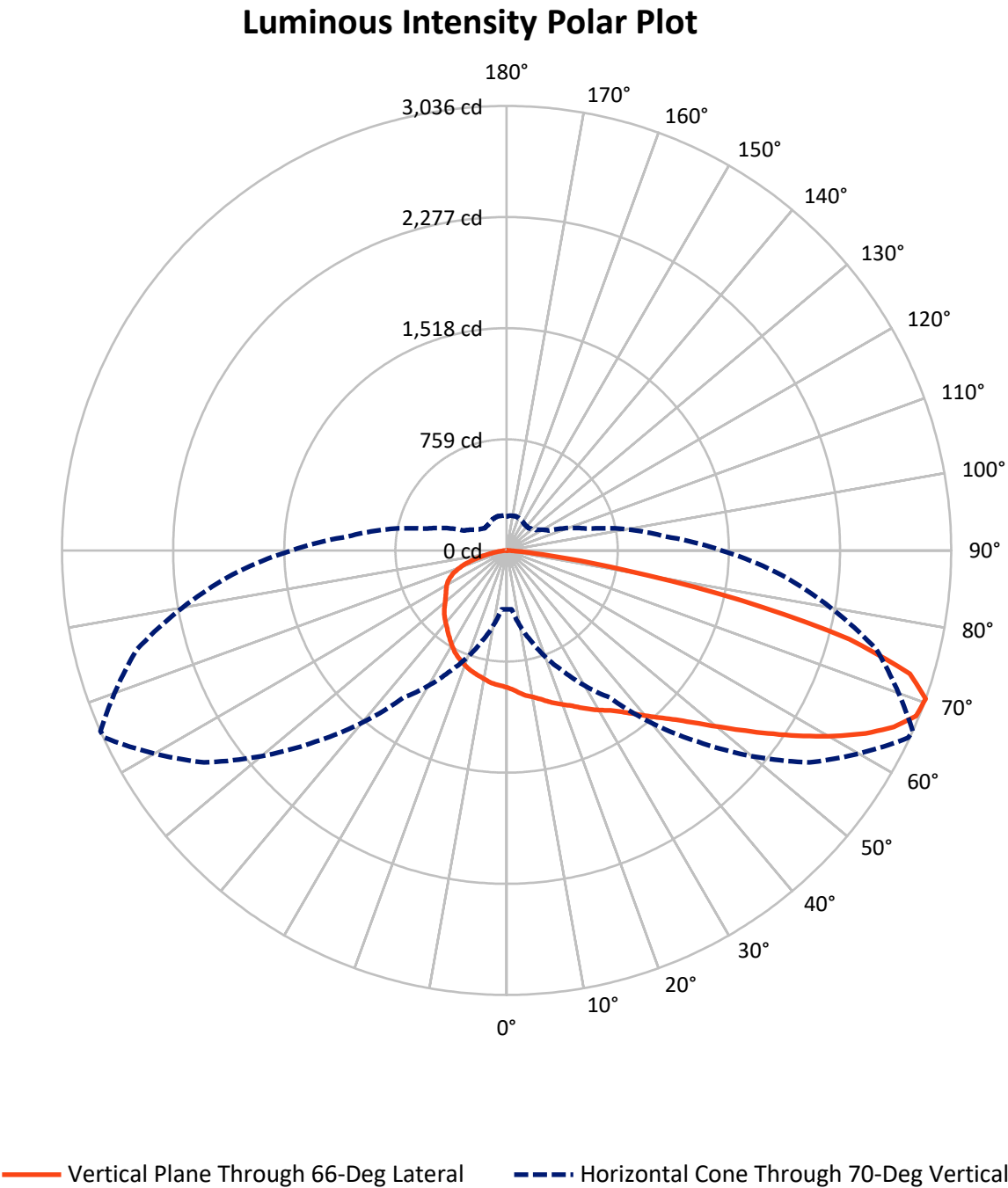


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Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
Type III - Medium - N/A

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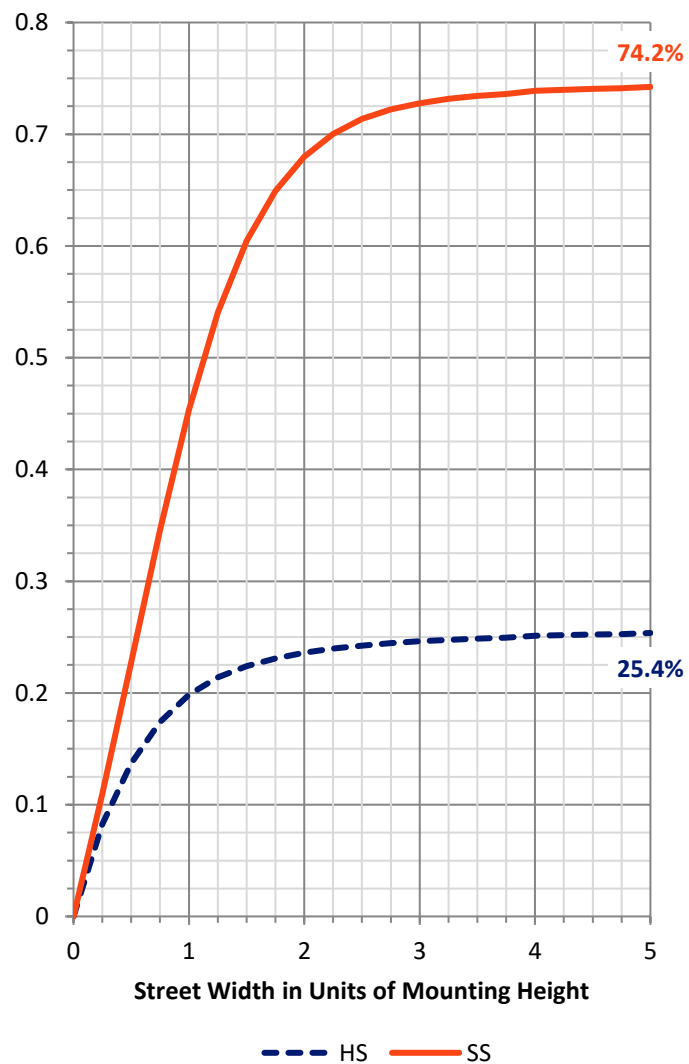
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1411.5	0.0	1411.5
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	4094.5	0.0	4094.5
	% Fixture	74.4	0.0	74.4
Total	Lumens	5506.0	0.0	5506.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.0	1.6
10°-20°	269.5	4.9
20°-30°	455.7	8.3
30°-40°	692.0	12.6
40°-50°	943.8	17.1
50°-60°	1122.4	20.4
60°-70°	1148.9	20.9
70°-80°	707.5	12.8
80°-90°	76.1	1.4
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°	5506.0	100.0
0°-180°	5506.0	100.0

Coefficient of Utilization



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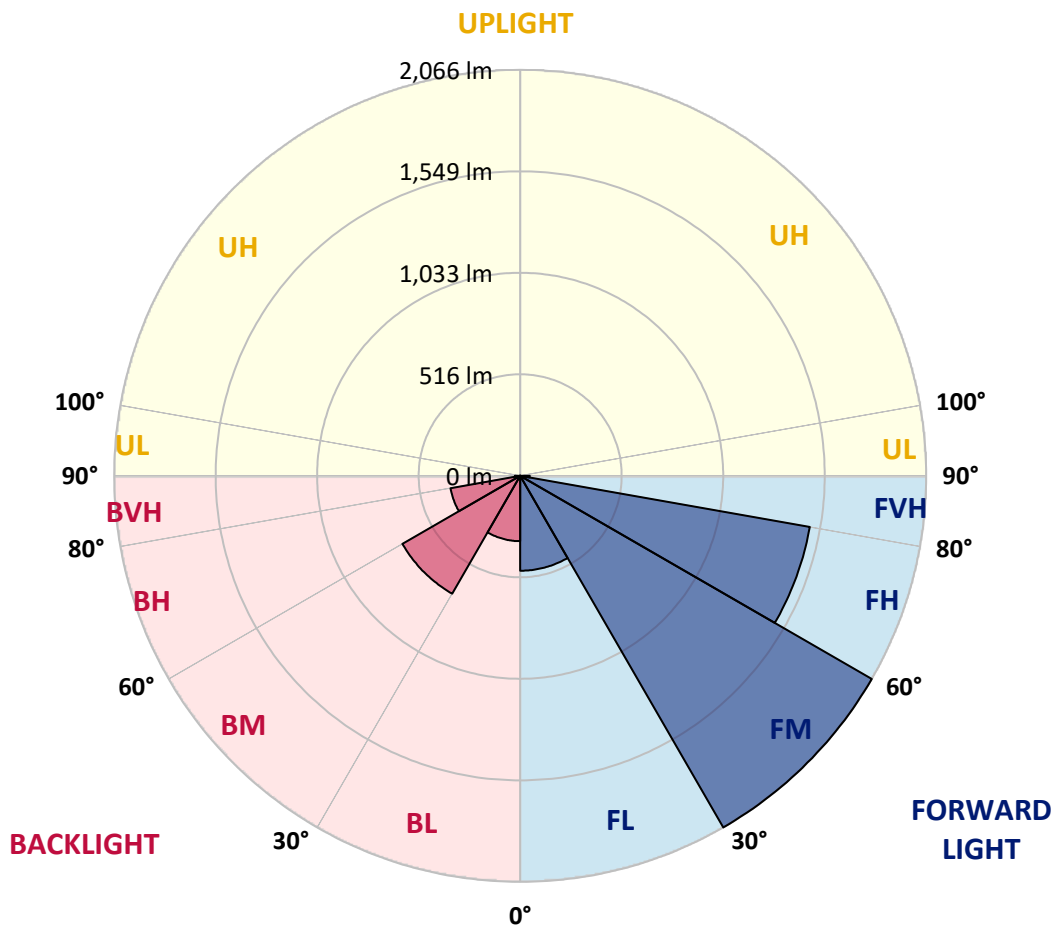
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	482.8	8.8			
FM	(30°-60°)	2066.0	37.5			
FH	(60°-80°)	1496.6	27.2			G1/1800
FVH	(80°-90°)	49.1	0.9			G1/100
BL	(0°-30°)	332.4	6.0	B1/500		
BM	(30°-60°)	692.3	12.6	B1/1000		
BH	(60°-80°)	359.8	6.5	B1/500		G1/500
BVH	(80°-90°)	27.0	0.5			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	936.6	936.6	936.6	936.6	936.6	936.6	936.6	936.6	936.6	936.6	936.6
2.5°	961.2	964.3	970.4	965.8	968.9	961.2	955.0	956.6	955.0	948.9	933.5
5°	999.6	1001.2	1010.4	1004.2	1002.7	996.5	984.2	979.6	979.6	967.3	944.3
7.5°	1033.5	1035.0	1044.2	1035.0	1035.0	1024.2	1011.9	1002.7	1002.7	982.7	953.5
10°	1055.0	1056.5	1064.2	1061.1	1062.7	1048.8	1033.5	1021.2	1019.6	998.1	959.6
12.5°	1079.6	1081.1	1091.9	1087.3	1088.8	1079.6	1062.7	1044.2	1042.7	1016.5	968.9
15°	1101.1	1102.7	1111.9	1111.9	1118.0	1107.3	1093.4	1075.0	1071.9	1038.1	981.2
17.5°	1115.0	1116.5	1130.3	1133.4	1142.6	1136.5	1124.2	1102.7	1098.0	1059.6	993.5
20°	1130.3	1133.4	1145.7	1148.8	1162.6	1162.6	1151.9	1128.8	1124.2	1079.6	1005.8
22.5°	1161.1	1167.3	1174.9	1173.4	1185.7	1187.2	1179.6	1159.6	1153.4	1105.7	1021.2
25°	1242.6	1251.8	1251.8	1230.3	1227.2	1219.5	1211.9	1196.5	1190.3	1139.6	1041.1
27.5°	1385.6	1384.1	1374.9	1330.3	1290.3	1262.6	1251.8	1234.9	1228.8	1170.3	1061.1
30°	1537.9	1536.3	1524.0	1457.9	1381.0	1310.3	1291.8	1273.4	1265.7	1199.5	1079.6
32.5°	1684.0	1682.4	1674.8	1597.9	1485.6	1373.3	1342.6	1314.9	1302.6	1234.9	1105.7
35°	1803.9	1803.9	1797.8	1719.4	1579.4	1453.3	1401.0	1364.1	1353.3	1281.1	1145.7
37.5°	1913.1	1914.7	1910.1	1823.9	1664.0	1530.2	1471.8	1430.2	1416.4	1338.0	1188.8
40°	2065.4	2054.6	2048.5	1930.0	1744.0	1600.9	1547.1	1504.0	1487.1	1393.3	1225.7
42.5°	2182.3	2196.1	2145.3	2023.9	1823.9	1667.1	1624.0	1582.5	1564.0	1456.4	1273.4
45°	2226.9	2217.6	2180.7	2077.7	1948.5	1733.2	1704.0	1673.2	1653.2	1536.3	1334.9
47.5°	2245.3	2226.9	2179.2	2108.4	2066.9	1816.2	1793.2	1785.5	1764.0	1631.7	1405.6
50°	2200.7	2182.3	2163.8	2125.4	2108.4	1890.1	1890.1	1919.3	1896.2	1739.3	1484.1
52.5°	2083.8	2079.2	2097.7	2117.7	2066.9	1940.8	2003.9	2066.9	2045.4	1859.3	1568.6
55°	1868.5	1874.7	1976.2	2059.2	2036.2	1983.9	2126.9	2234.5	2211.5	1993.1	1651.7
57.5°	1687.1	1684.0	1771.6	1968.5	1996.2	2039.2	2263.8	2416.0	2389.9	2134.6	1734.7
60°	1477.9	1477.9	1579.4	1816.2	1943.9	2091.5	2403.7	2600.6	2574.4	2282.2	1820.9
62.5°	1204.2	1199.5	1376.4	1613.2	1851.6	2120.7	2525.2	2772.8	2751.3	2420.6	1885.4
65°	912.0	908.9	1144.2	1419.5	1710.1	2103.8	2609.8	2915.8	2905.1	2539.0	1931.6
67.5°	599.8	602.9	882.7	1190.3	1507.1	2022.3	2622.1	3020.4	3015.8	2612.9	1937.7
70°	401.4	402.9	638.2	907.4	1225.7	1847.0	2523.7	3026.6	3035.8	2614.4	1877.8
72.5°	287.6	290.7	446.0	642.8	855.1	1527.1	2308.4	2848.2	2878.9	2460.6	1682.4
75°	199.9	203.0	292.2	401.4	510.6	1030.4	1867.0	2362.2	2417.6	2074.6	1364.1
77.5°	135.3	133.8	163.0	261.4	304.5	558.3	1168.8	1573.3	1637.8	1396.4	964.3
80°	103.0	101.5	107.7	143.0	153.8	236.8	506.0	758.2	822.8	644.4	446.0
82.5°	69.2	66.1	69.2	81.5	78.4	100.0	141.5	256.8	295.3	295.3	196.8
85°	32.3	32.3	36.9	38.4	32.3	40.0	41.5	49.2	56.9	58.4	43.1
87.5°	3.1	3.1	4.6	4.6	3.1	4.6	4.6	4.6	4.6	4.6	4.6
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°	936.6	936.6	936.6	936.6	936.6	936.6	936.6	936.6	936.6	936.6	936.6
2.5°	930.4	928.9	928.9	925.8	919.7	912.0	904.3	899.7	896.6	898.1	899.7
5°	939.6	935.0	925.8	918.1	905.8	890.4	881.2	872.0	867.4	870.4	873.5
7.5°	945.8	938.1	921.2	907.4	887.4	870.4	856.6	845.8	838.1	839.7	839.7
10°	947.3	933.5	912.0	890.4	864.3	842.8	825.8	813.5	807.4	805.9	807.4
12.5°	953.5	935.0	902.7	876.6	844.3	818.2	799.7	785.9	778.2	779.7	779.7
15°	959.6	936.6	898.1	862.8	825.8	798.2	776.6	762.8	755.1	756.6	755.1
17.5°	965.8	938.1	892.0	848.9	805.9	775.1	753.6	739.7	732.0	736.6	736.6
20°	971.9	939.6	881.2	832.0	784.3	752.0	732.0	716.7	709.0	716.7	716.7
22.5°	979.6	941.2	870.4	813.5	761.3	730.5	709.0	696.7	692.0	698.2	699.7
25°	991.9	942.7	861.2	793.5	738.2	705.9	689.0	682.8	681.3	690.5	693.6
27.5°	1002.7	948.9	848.9	770.5	712.0	681.3	670.5	670.5	675.1	687.4	692.0
30°	1013.5	948.9	835.1	742.8	681.3	652.1	650.5	659.8	667.4	679.7	685.9
32.5°	1030.4	953.5	818.2	715.1	649.0	624.4	633.6	647.4	658.2	670.5	675.1
35°	1059.6	970.4	807.4	685.9	613.6	599.8	618.2	639.8	645.9	656.7	661.3
37.5°	1091.9	995.0	802.8	658.2	582.9	576.7	604.4	627.5	630.5	635.1	639.8
40°	1115.0	1005.8	795.1	633.6	553.6	553.6	584.4	605.9	601.3	604.4	607.5
42.5°	1142.6	1010.4	778.2	612.1	529.0	529.0	556.7	575.2	569.0	575.2	579.8
45°	1181.1	1021.2	755.1	590.5	507.5	501.3	521.3	536.7	550.6	573.6	578.2
47.5°	1228.8	1044.2	735.1	562.9	487.5	467.5	479.8	506.0	524.4	549.0	553.6
50°	1281.1	1065.8	719.7	533.6	466.0	432.1	438.3	467.5	478.3	493.7	495.2
52.5°	1333.3	1085.7	705.9	509.0	441.4	390.6	401.4	430.6	436.8	446.0	446.0
55°	1385.6	1104.2	690.5	489.0	412.2	353.7	366.0	395.2	399.8	409.1	410.6
57.5°	1439.5	1124.2	681.3	470.6	378.3	327.6	336.8	362.9	370.6	378.3	378.3
60°	1484.1	1139.6	675.1	452.1	347.6	301.4	307.6	330.6	339.9	344.5	346.0
62.5°	1514.8	1147.3	669.0	430.6	319.9	276.8	281.4	304.5	315.3	318.3	318.3
65°	1531.7	1147.3	656.7	399.8	293.7	253.8	255.3	278.4	290.7	298.3	299.9
67.5°	1522.5	1135.0	625.9	366.0	269.1	233.8	235.3	255.3	267.6	275.3	275.3
70°	1468.7	1088.8	573.6	321.4	244.5	213.8	215.3	232.2	241.4	238.4	232.2
72.5°	1313.4	973.5	489.0	273.7	219.9	195.3	196.8	210.7	204.5	201.5	203.0
75°	1068.8	770.5	367.6	212.2	184.5	172.2	176.9	181.5	175.3	178.4	176.9
77.5°	732.0	499.8	252.2	153.8	147.6	144.6	153.8	153.8	149.2	153.8	149.2
80°	330.6	233.8	143.0	100.0	103.0	104.6	115.3	115.3	121.5	126.1	124.6
82.5°	144.6	116.9	76.9	58.4	63.1	69.2	78.4	86.1	96.9	101.5	100.0
85°	36.9	30.8	30.8	27.7	36.9	36.9	44.6	50.8	52.3	52.3	52.3
87.5°	4.6	4.6	6.2	6.2	9.2	7.7	10.8	9.2	9.2	12.3	13.8
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)