

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: P691534

Luminaire Tested: **CRTK2-C016-D-U-T3-8027-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691534
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-11)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-D-U-T3-8027-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5057 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 41.6
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

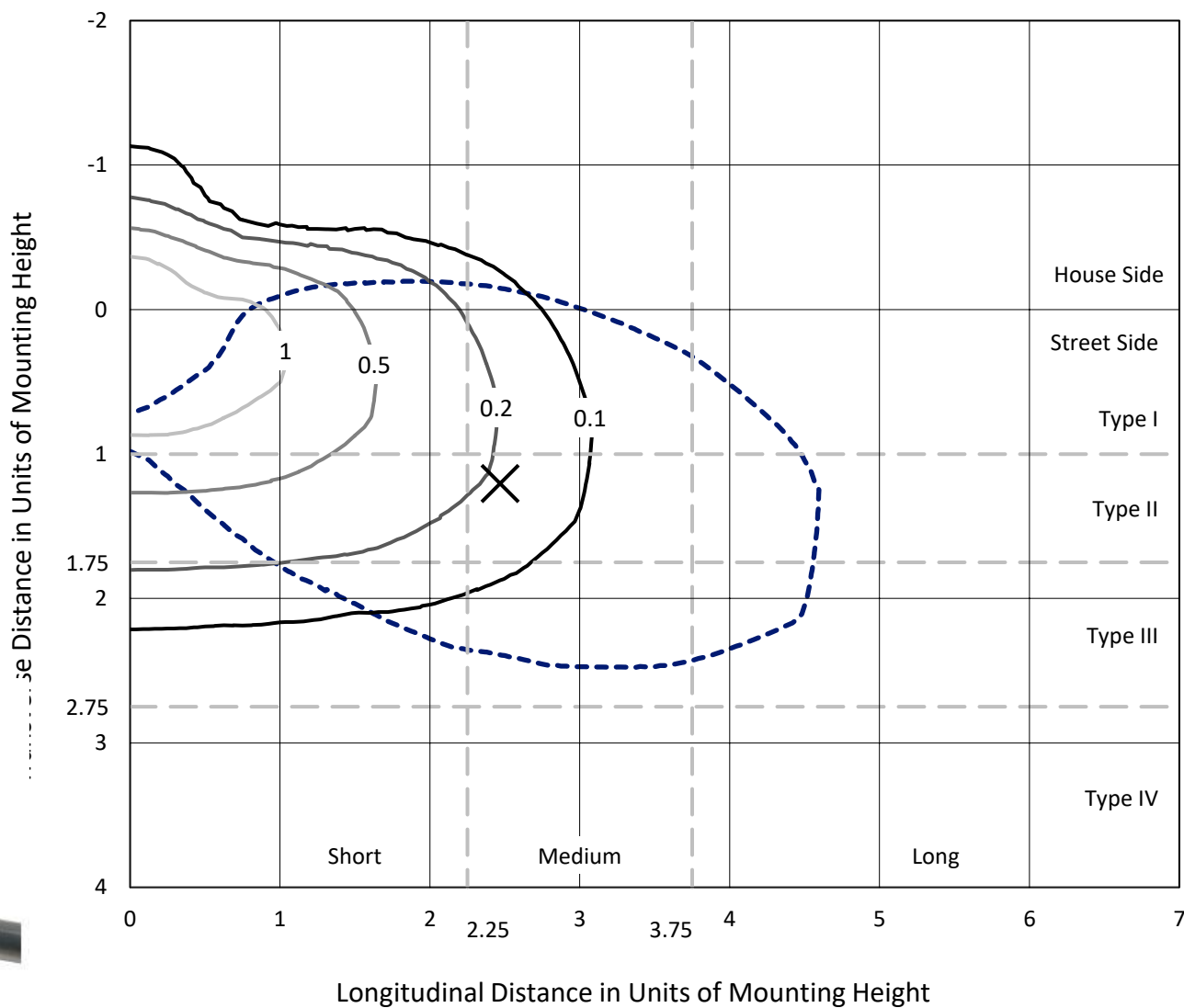


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

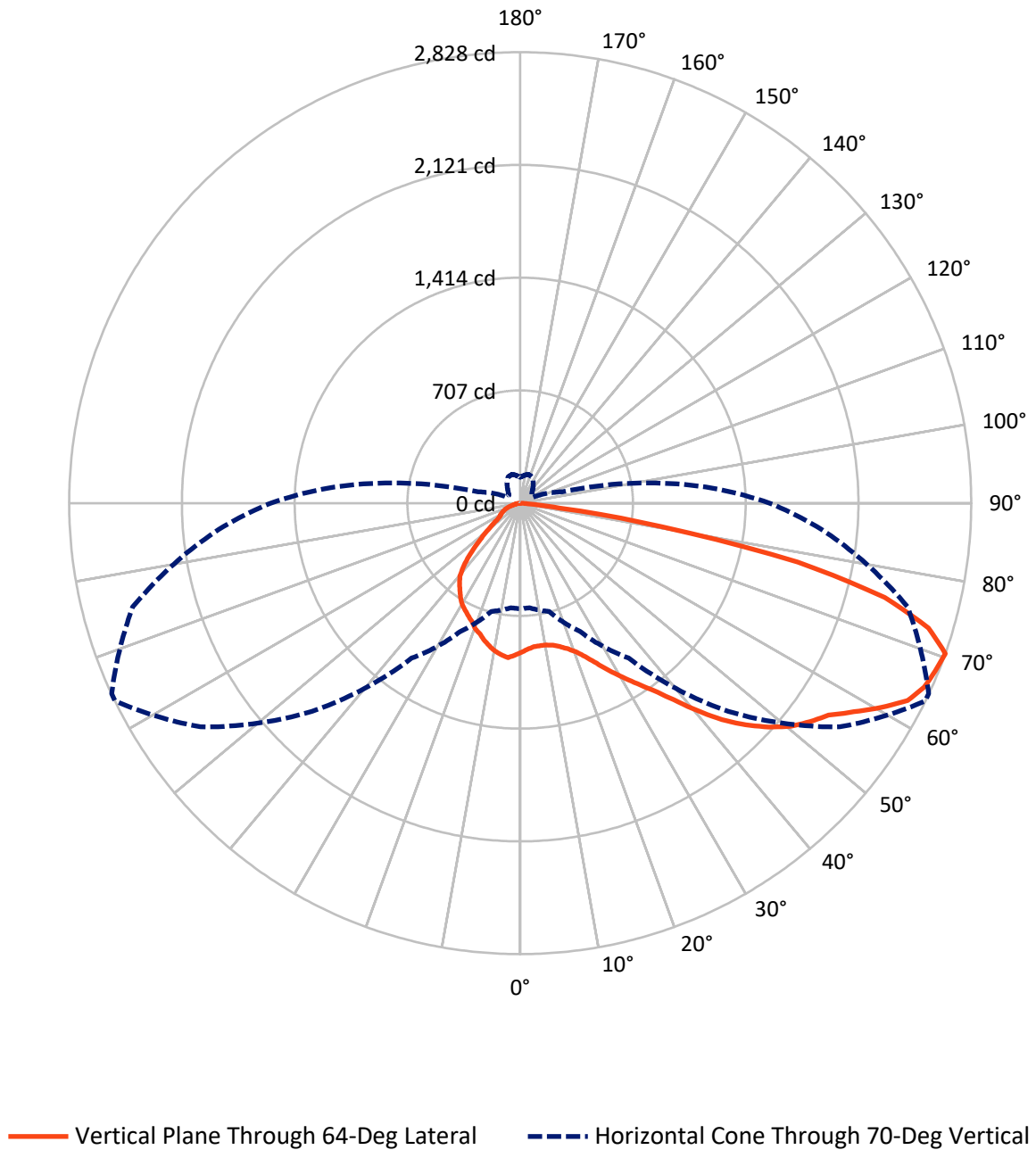
--- 1/2 Max cd



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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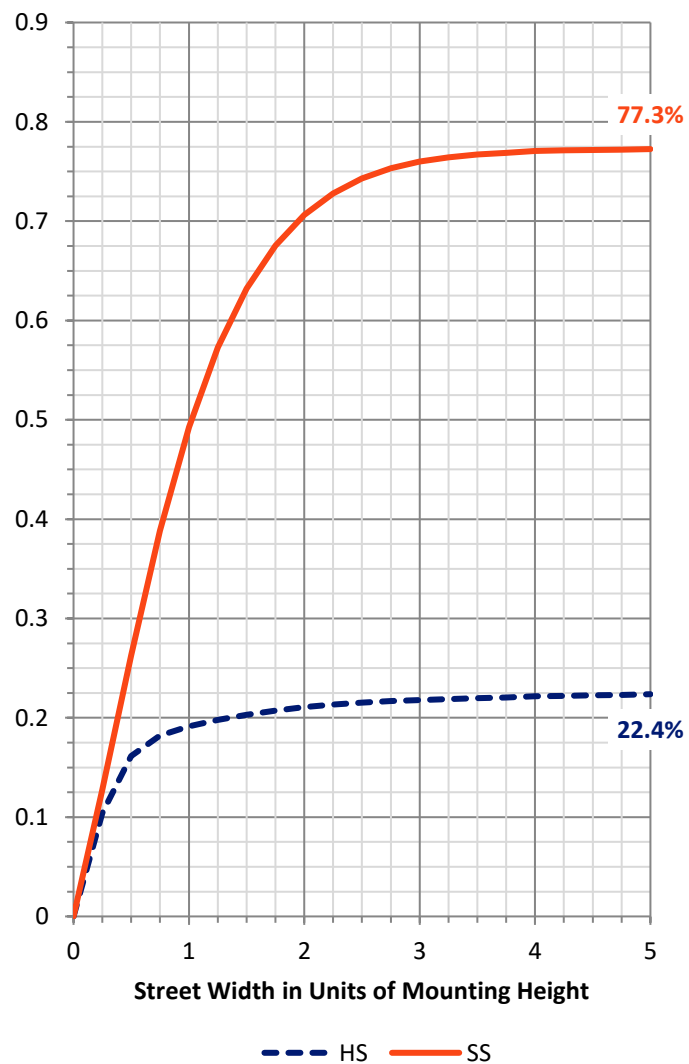
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1148.8	0.0	1148.8
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	3908.2	0.0	3908.2
	% Fixture	77.3	0.0	77.3
Total	Lumens	5057.0	0.0	5057.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.0	1.8
10°-20°	263.7	5.2
20°-30°	437.8	8.7
30°-40°	626.2	12.4
40°-50°	836.2	16.5
50°-60°	1010.5	20.0
60°-70°	1075.5	21.3
70°-80°	660.7	13.1
80°-90°	56.6	1.1
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°	5057.0	100.0
0°-180°	5057.0	100.0

Coefficient of Utilization



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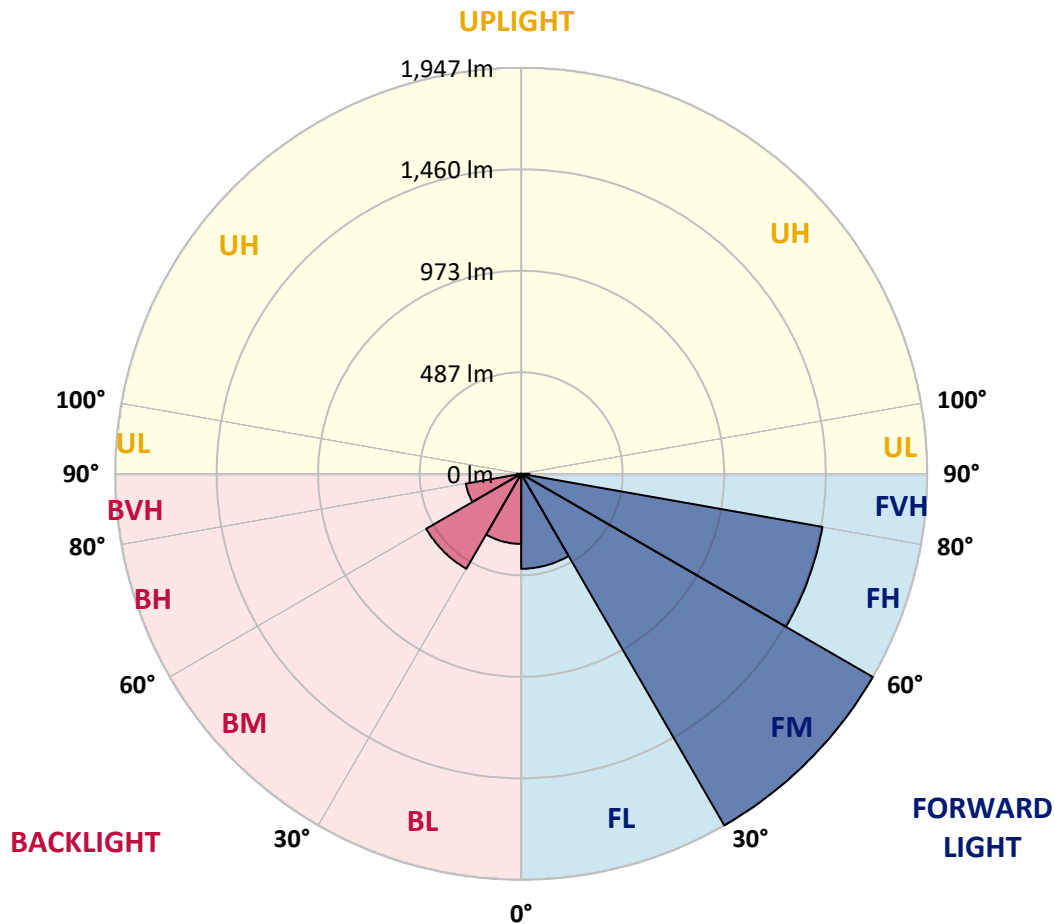
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	455.4	9.0			
FM	(30°-60°)	1946.9	38.5			
FH	(60°-80°)	1466.7	29.0			G1/1800
FVH	(80°-90°)	39.3	0.8			G1/100
BL	(0°-30°)	336.1	6.6	B1/500		
BM	(30°-60°)	526.0	10.4	B1/1000		
BH	(60°-80°)	269.4	5.3	B1/500		G1/500
BVH	(80°-90°)	17.3	0.3			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°	64°	65°	75°	85°
0°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3
2.5°	913.0	913.0	913.0	913.0	914.7	916.4	914.7	916.4	916.4	919.8	925.0
5°	928.4	928.4	925.0	918.1	913.0	906.1	902.6	904.4	904.4	913.0	926.7
7.5°	933.6	933.6	930.1	930.1	925.0	909.5	904.4	902.6	904.4	907.8	926.7
10°	959.4	957.7	949.1	938.7	931.9	918.1	906.1	904.4	906.1	911.2	931.9
12.5°	986.9	986.9	983.4	974.8	955.9	942.2	921.5	914.7	913.0	918.1	930.1
15°	1041.9	1035.0	1021.3	1009.2	995.5	973.1	945.6	933.6	930.1	937.0	931.9
17.5°	1074.6	1069.4	1071.1	1052.2	1040.2	1009.2	981.7	959.4	957.7	964.5	942.2
20°	1110.7	1109.0	1112.4	1110.7	1091.8	1064.3	1021.3	993.8	990.3	992.0	957.7
22.5°	1165.7	1165.7	1164.0	1164.0	1153.7	1121.0	1072.8	1045.3	1040.2	1028.1	983.4
25°	1225.9	1225.9	1225.9	1229.3	1229.3	1191.5	1143.3	1112.4	1109.0	1091.8	1026.4
27.5°	1282.6	1286.0	1287.8	1289.5	1294.6	1277.4	1224.1	1188.0	1186.3	1164.0	1083.2
30°	1327.3	1329.0	1344.5	1347.9	1358.3	1353.1	1301.5	1267.1	1270.6	1241.3	1146.8
32.5°	1366.9	1368.6	1390.9	1403.0	1415.0	1416.7	1373.7	1349.7	1349.7	1323.9	1224.1
35°	1404.7	1406.4	1433.9	1463.1	1487.2	1480.3	1456.3	1442.5	1447.7	1439.1	1330.7
37.5°	1437.3	1444.2	1480.3	1523.3	1550.8	1556.0	1545.7	1564.6	1574.9	1588.6	1475.2
40°	1468.3	1471.7	1506.1	1550.8	1597.2	1621.3	1633.3	1710.7	1721.0	1731.3	1557.7
42.5°	1439.1	1445.9	1519.9	1586.9	1645.4	1686.6	1743.4	1856.9	1879.2	1822.5	1669.4
45°	1404.7	1413.3	1487.2	1600.7	1683.2	1758.9	1863.7	1984.1	2001.3	1915.3	1729.6
47.5°	1375.4	1385.8	1461.4	1588.6	1722.7	1856.9	1961.7	2097.6	2107.9	1994.4	1812.2
50°	1342.8	1351.4	1432.2	1573.2	1743.4	1946.3	2064.9	2200.7	2204.2	2059.7	1855.1
52.5°	1299.8	1308.4	1390.9	1549.1	1758.9	2006.4	2150.9	2276.4	2262.6	2144.0	1905.0
55°	1244.8	1256.8	1346.2	1516.4	1767.5	2042.5	2209.3	2346.9	2340.0	2243.7	1970.3
57.5°	1186.3	1198.4	1289.5	1471.7	1758.9	2064.9	2269.5	2468.9	2467.2	2324.5	2018.5
60°	1121.0	1131.3	1208.7	1413.3	1712.4	2101.0	2401.9	2601.3	2615.1	2415.6	2037.4
62.5°	1035.0	1036.7	1114.1	1329.0	1652.3	2126.8	2496.4	2726.8	2718.2	2475.8	2040.8
65°	921.5	926.7	995.5	1212.1	1554.3	2106.2	2520.5	2783.6	2783.6	2520.5	2037.4
67.5°	811.5	809.8	868.3	1066.0	1403.0	2015.0	2499.9	2807.6	2819.7	2549.7	1992.7
70°	661.9	658.5	703.2	887.2	1186.3	1846.5	2446.6	2828.3	2826.5	2515.3	1898.1
72.5°	490.0	488.3	519.2	672.3	907.8	1580.0	2288.4	2677.0	2659.8	2350.3	1714.2
75°	271.7	257.9	256.2	416.1	527.8	1107.2	1944.5	2360.6	2367.5	2076.9	1435.6
77.5°	39.5	41.3	43.0	75.6	91.1	414.4	1263.7	1779.5	1776.0	1602.4	1047.1
80°	27.5	29.2	30.9	37.8	43.0	98.0	436.7	897.5	949.1	842.5	483.1
82.5°	20.6	20.6	22.4	25.8	24.1	44.7	135.8	249.3	257.9	233.8	142.7
85°	13.8	13.8	12.0	13.8	8.6	12.0	30.9	46.4	49.9	48.1	39.5
87.5°	6.9	6.9	5.2	5.2	3.4	3.4	3.4	1.7	3.4	1.7	3.4
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°	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3	935.3
2.5°	930.1	933.6	943.9	952.5	962.8	974.8	981.7	988.6	995.5	992.0	997.2
5°	933.6	940.5	955.9	971.4	980.0	981.7	983.4	988.6	998.9	998.9	1007.5
7.5°	937.0	949.1	949.1	957.7	969.7	973.1	974.8	978.3	983.4	985.2	983.4
10°	937.0	931.9	940.5	942.2	937.0	945.6	950.8	949.1	954.2	955.9	955.9
12.5°	926.7	925.0	918.1	918.1	916.4	902.6	902.6	916.4	916.4	925.0	926.7
15°	926.7	913.0	904.4	892.3	880.3	875.1	868.3	857.9	861.4	873.4	876.8
17.5°	925.0	909.5	883.7	859.7	851.1	830.4	823.5	823.5	821.8	828.7	830.4
20°	931.9	909.5	870.0	842.5	796.0	789.2	775.4	777.1	778.8	768.5	763.4
22.5°	950.8	923.3	859.7	806.4	770.3	739.3	713.5	696.3	694.6	689.4	694.6
25°	980.0	947.3	861.4	785.7	727.3	682.6	665.4	624.1	605.2	606.9	617.2
27.5°	1033.3	976.6	870.0	763.4	692.9	629.3	574.2	548.5	527.8	527.8	531.3
30°	1083.2	1021.3	866.5	744.5	639.6	560.5	490.0	448.7	441.9	435.0	433.3
32.5°	1176.0	1078.0	900.9	717.0	589.7	472.8	402.3	345.6	350.7	352.5	355.9
35°	1268.9	1169.1	907.8	682.6	517.5	385.1	311.2	280.2	294.0	297.4	300.9
37.5°	1392.6	1282.6	954.2	651.6	443.6	295.7	247.6	233.8	247.6	247.6	249.3
40°	1459.7	1335.9	992.0	620.7	347.3	218.4	194.3	184.0	201.2	214.9	218.4
42.5°	1554.3	1404.7	1026.4	558.8	245.9	163.3	149.6	170.2	197.7	211.5	213.2
45°	1602.4	1439.1	1014.4	476.2	161.6	132.4	146.1	171.9	199.4	213.2	214.9
47.5°	1667.7	1487.2	990.3	380.0	128.9	130.7	147.9	177.1	204.6	216.6	218.4
50°	1731.3	1537.1	928.4	302.6	123.8	130.7	151.3	178.8	202.9	211.5	209.8
52.5°	1767.5	1583.5	849.3	230.4	123.8	132.4	154.7	182.2	201.2	202.9	202.9
55°	1800.1	1588.6	784.0	178.8	122.1	134.1	158.2	185.7	202.9	202.9	199.4
57.5°	1820.7	1568.0	734.1	154.7	122.1	134.1	158.2	185.7	211.5	216.6	211.5
60°	1812.2	1528.5	699.8	144.4	118.6	132.4	156.5	190.8	259.6	271.7	261.3
62.5°	1791.5	1506.1	625.8	132.4	113.5	127.2	153.0	206.3	278.5	280.2	271.7
65°	1772.6	1432.2	536.4	118.6	106.6	122.1	147.9	209.8	235.5	226.9	225.2
67.5°	1686.6	1335.9	409.2	104.9	96.3	115.2	142.7	192.6	209.8	199.4	196.0
70°	1564.6	1167.4	273.4	89.4	86.0	106.6	142.7	180.5	187.4	170.2	163.3
72.5°	1341.1	966.3	149.6	72.2	72.2	98.0	128.9	168.5	173.7	153.0	141.0
75°	1091.8	699.8	96.3	55.0	55.0	82.5	116.9	159.9	170.2	147.9	132.4
77.5°	751.3	383.4	67.1	39.5	36.1	63.6	92.8	130.7	151.3	127.2	108.3
80°	254.5	101.4	43.0	25.8	22.4	36.1	61.9	101.4	137.5	130.7	116.9
82.5°	99.7	63.6	29.2	17.2	15.5	17.2	30.9	63.6	110.0	118.6	137.5
85°	29.2	17.2	10.3	8.6	8.6	8.6	8.6	25.8	65.3	86.0	108.3
87.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	15.5	27.5	36.1
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)