

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: P690982

Luminaire Tested: **CRTK2-C01-D-U-T3-8027-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690982
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-C01-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: 7446 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 61
Input Voltage (V): NR
Input Current (A_{in}): 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



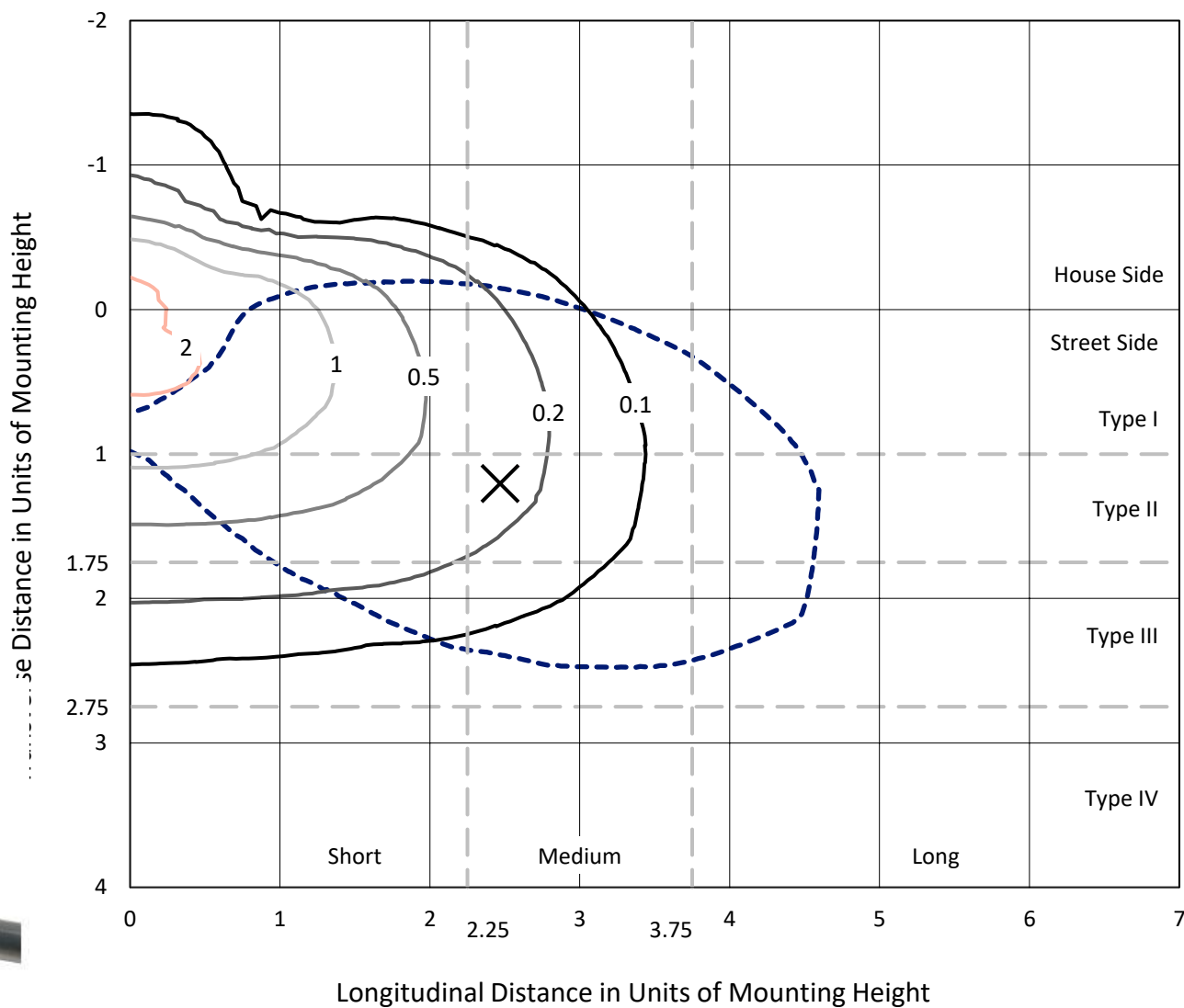
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

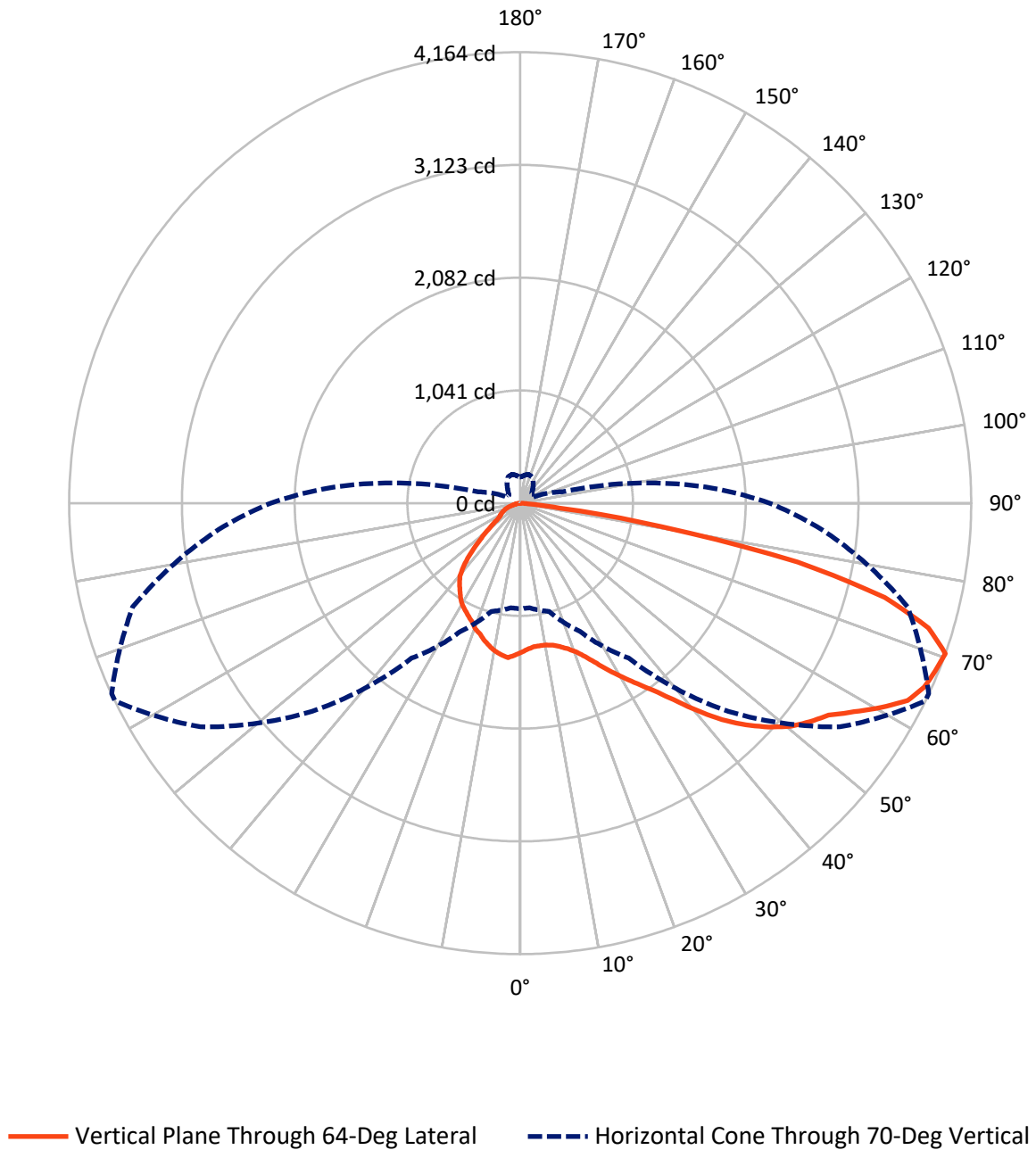
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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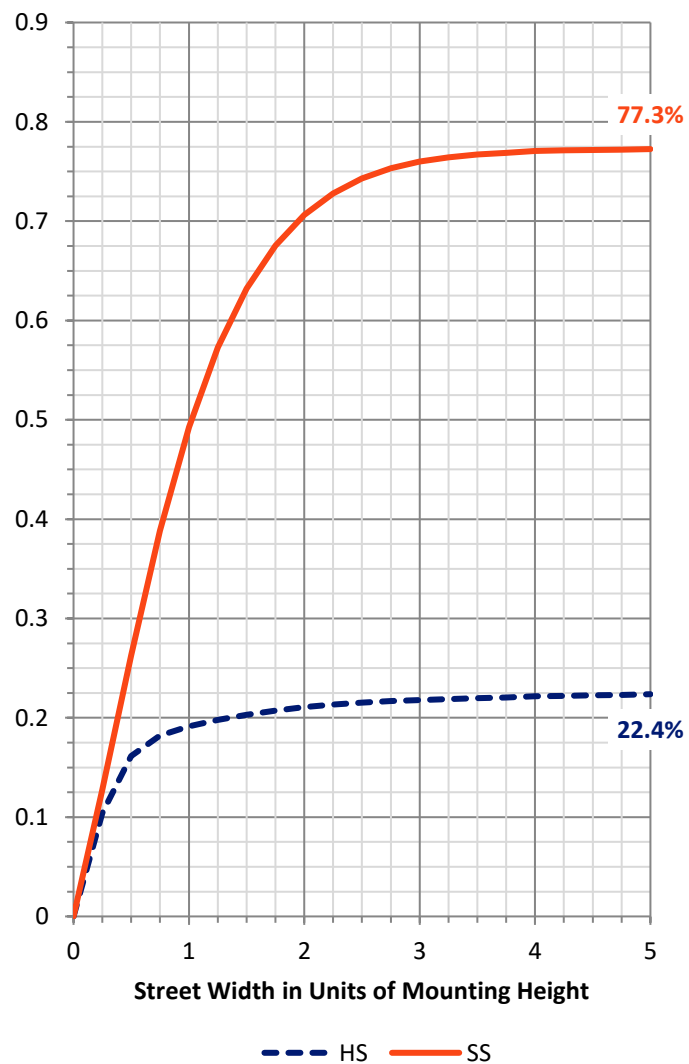
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1691.5	0.0	1691.5
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	5754.5	0.0	5754.5
	% Fixture	77.3	0.0	77.3
Total	Lumens	7446.0	0.0	7446.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.5	1.8
10°-20°	388.3	5.2
20°-30°	644.6	8.7
30°-40°	922.0	12.4
40°-50°	1231.2	16.5
50°-60°	1487.9	20.0
60°-70°	1583.5	21.3
70°-80°	972.8	13.1
80°-90°	83.3	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°	7446.0	100.0
0°-180°	7446.0	100.0

Coefficient of Utilization



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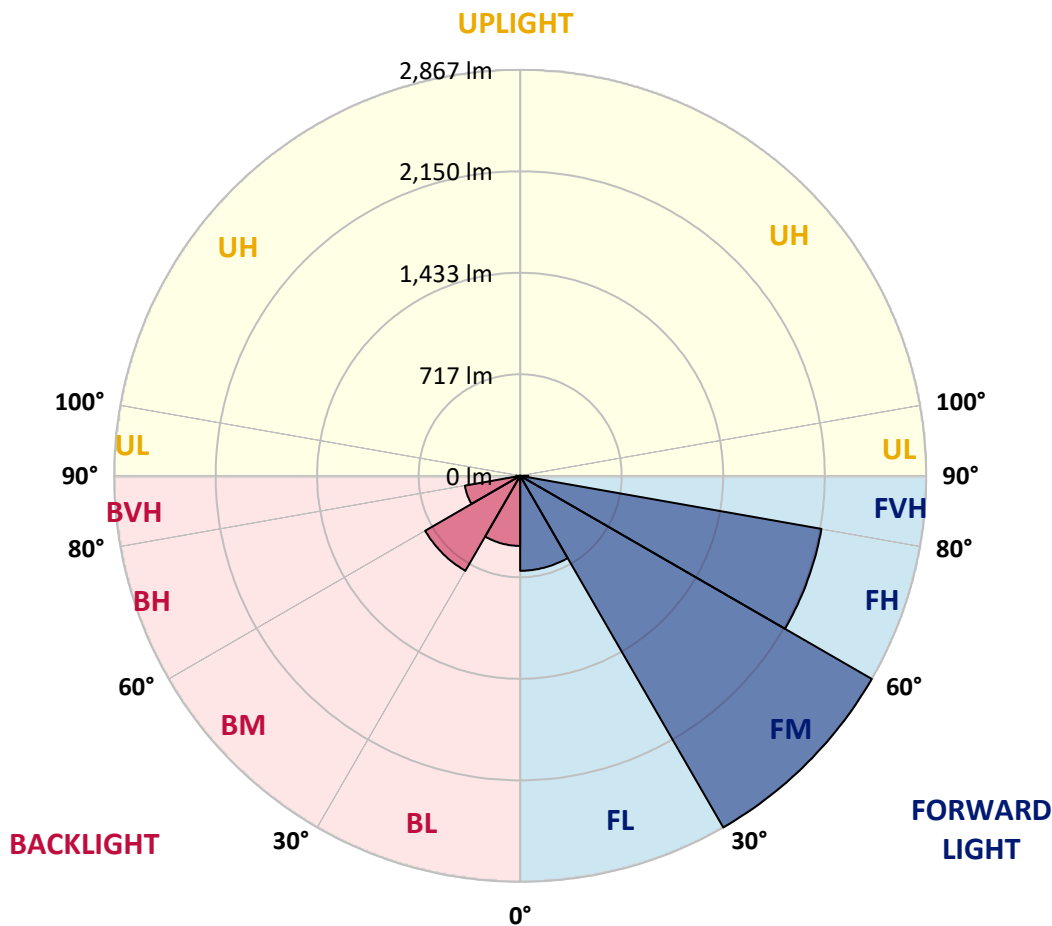
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	670.5	9.0			
FM	(30°-60°)	2866.6	38.5			
FH	(60°-80°)	2159.6	29.0			G2/5000
FVH	(80°-90°)	57.9	0.8			G1/100
BL	(0°-30°)	494.9	6.6	B1/500		
BM	(30°-60°)	774.5	10.4	B1/1000		
BH	(60°-80°)	396.7	5.3	B1/500		G1/500
BVH	(80°-90°)	25.5	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-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2
2.5°	1344.2	1344.2	1344.2	1344.2	1346.8	1349.3	1346.8	1349.3	1349.3	1354.4	1362.0
5°	1367.0	1367.0	1362.0	1351.8	1344.2	1334.1	1329.1	1331.6	1331.6	1344.2	1364.5
7.5°	1374.6	1374.6	1369.6	1369.6	1362.0	1339.2	1331.6	1329.1	1331.6	1336.7	1364.5
10°	1412.6	1410.1	1397.4	1382.2	1372.1	1351.8	1334.1	1331.6	1334.1	1341.7	1372.1
12.5°	1453.1	1453.1	1448.0	1435.4	1407.5	1387.3	1356.9	1346.8	1344.2	1351.8	1369.6
15°	1534.1	1524.0	1503.7	1486.0	1465.8	1432.8	1392.3	1374.6	1369.6	1379.7	1372.1
17.5°	1582.2	1574.6	1577.1	1549.3	1531.6	1486.0	1445.5	1412.6	1410.1	1420.2	1387.3
20°	1635.4	1632.8	1637.9	1635.4	1607.5	1567.0	1503.7	1463.2	1458.2	1460.7	1410.1
22.5°	1716.4	1716.4	1713.9	1713.9	1698.7	1650.6	1579.7	1539.2	1531.6	1513.9	1448.0
25°	1805.0	1805.0	1805.0	1810.0	1810.0	1754.4	1683.5	1637.9	1632.8	1607.5	1511.3
27.5°	1888.5	1893.6	1896.1	1898.7	1906.2	1880.9	1802.5	1749.3	1746.8	1713.9	1594.9
30°	1954.3	1956.9	1979.7	1984.7	1999.9	1992.3	1916.4	1865.7	1870.8	1827.8	1688.5
32.5°	2012.6	2015.1	2048.0	2065.7	2083.5	2086.0	2022.7	1987.3	1987.3	1949.3	1802.5
35°	2068.3	2070.8	2111.3	2154.3	2189.8	2179.7	2144.2	2124.0	2131.6	2118.9	1959.4
37.5°	2116.4	2126.5	2179.7	2242.9	2283.4	2291.0	2275.9	2303.7	2318.9	2339.1	2172.1
40°	2161.9	2167.0	2217.6	2283.4	2351.8	2387.2	2405.0	2518.9	2534.1	2549.3	2293.6
42.5°	2118.9	2129.0	2237.9	2336.6	2422.7	2483.4	2567.0	2734.1	2767.0	2683.4	2458.1
45°	2068.3	2080.9	2189.8	2356.9	2478.4	2589.8	2744.2	2921.4	2946.7	2820.1	2546.7
47.5°	2025.2	2040.4	2151.8	2339.1	2536.6	2734.1	2888.5	3088.5	3103.7	2936.6	2668.2
50°	1977.1	1989.8	2108.8	2316.4	2567.0	2865.7	3040.4	3240.4	3245.4	3032.8	2731.5
52.5°	1913.8	1926.5	2048.0	2280.9	2589.8	2954.3	3167.0	3351.8	3331.5	3156.8	2804.9
55°	1832.8	1850.6	1982.2	2232.8	2602.4	3007.5	3253.0	3455.5	3445.4	3303.7	2901.1
57.5°	1746.8	1764.5	1898.7	2167.0	2589.8	3040.4	3341.6	3635.3	3632.8	3422.6	2972.0
60°	1650.6	1665.8	1779.7	2080.9	2521.4	3093.5	3536.6	3830.2	3850.5	3556.8	2999.9
62.5°	1524.0	1526.5	1640.4	1956.9	2432.8	3131.5	3675.8	4015.0	4002.4	3645.4	3004.9
65°	1356.9	1364.5	1465.8	1784.7	2288.5	3101.1	3711.2	4098.6	4098.6	3711.2	2999.9
67.5°	1194.9	1192.4	1278.4	1569.6	2065.7	2967.0	3680.9	4134.0	4151.7	3754.3	2934.1
70°	974.6	969.6	1035.4	1306.3	1746.8	2718.9	3602.4	4164.4	4161.8	3703.6	2794.8
72.5°	721.5	719.0	764.5	989.8	1336.7	2326.5	3369.5	3941.6	3916.3	3460.6	2523.9
75°	400.0	379.7	377.2	612.6	777.2	1630.3	2863.2	3475.8	3485.9	3058.1	2113.8
77.5°	58.2	60.8	63.3	111.4	134.2	610.1	1860.7	2620.1	2615.1	2359.4	1541.7
80°	40.5	43.0	45.6	55.7	63.3	144.3	643.0	1321.5	1397.4	1240.5	711.4
82.5°	30.4	30.4	32.9	38.0	35.4	65.8	200.0	367.1	379.7	344.3	210.1
85°	20.3	20.3	17.7	20.3	12.7	17.7	45.6	68.4	73.4	70.9	58.2
87.5°	10.1	10.1	7.6	7.6	5.1	5.1	5.1	2.5	5.1	2.5	5.1
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°	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2	1377.2
2.5°	1369.6	1374.6	1389.8	1402.5	1417.7	1435.4	1445.5	1455.6	1465.8	1460.7	1468.3
5°	1374.6	1384.8	1407.5	1430.3	1443.0	1445.5	1448.0	1455.6	1470.8	1470.8	1483.5
7.5°	1379.7	1397.4	1397.4	1410.1	1427.8	1432.8	1435.4	1440.4	1448.0	1450.6	1448.0
10°	1379.7	1372.1	1384.8	1387.3	1379.7	1392.3	1399.9	1397.4	1405.0	1407.5	1407.5
12.5°	1364.5	1362.0	1351.8	1351.8	1349.3	1329.1	1329.1	1349.3	1349.3	1362.0	1364.5
15°	1364.5	1344.2	1331.6	1313.9	1296.1	1288.6	1278.4	1263.2	1268.3	1286.0	1291.1
17.5°	1362.0	1339.2	1301.2	1265.8	1253.1	1222.7	1212.6	1212.6	1210.1	1220.2	1222.7
20°	1372.1	1339.2	1281.0	1240.5	1172.1	1162.0	1141.7	1144.3	1146.8	1131.6	1124.0
22.5°	1399.9	1359.4	1265.8	1187.3	1134.1	1088.6	1050.6	1025.3	1022.7	1015.1	1022.7
25°	1443.0	1394.9	1268.3	1156.9	1070.8	1005.0	979.7	918.9	891.1	893.6	908.8
27.5°	1521.5	1437.9	1281.0	1124.0	1020.2	926.5	845.5	807.6	777.2	777.2	782.2
30°	1594.9	1503.7	1275.9	1096.2	941.7	825.3	721.5	660.7	650.6	640.5	637.9
32.5°	1731.6	1587.3	1326.5	1055.7	868.3	696.2	592.4	508.8	516.4	519.0	524.0
35°	1868.3	1721.4	1336.7	1005.0	762.0	567.1	458.2	412.6	432.9	438.0	443.0
37.5°	2050.5	1888.5	1405.0	959.5	653.1	435.4	364.5	344.3	364.5	364.5	367.1
40°	2149.3	1967.0	1460.7	913.9	511.4	321.5	286.1	270.9	296.2	316.4	321.5
42.5°	2288.5	2068.3	1511.3	822.7	362.0	240.5	220.2	250.6	291.1	311.4	313.9
45°	2359.4	2118.9	1493.6	701.2	238.0	194.9	215.2	253.2	293.7	313.9	316.4
47.5°	2455.6	2189.8	1458.2	559.5	189.9	192.4	217.7	260.7	301.3	319.0	321.5
50°	2549.3	2263.2	1367.0	445.6	182.3	192.4	222.8	263.3	298.7	311.4	308.8
52.5°	2602.4	2331.5	1250.6	339.2	182.3	194.9	227.8	268.3	296.2	298.7	298.7
55°	2650.5	2339.1	1154.4	263.3	179.7	197.5	232.9	273.4	298.7	298.7	293.7
57.5°	2680.9	2308.8	1081.0	227.8	179.7	197.5	232.9	273.4	311.4	319.0	311.4
60°	2668.2	2250.5	1030.3	212.6	174.7	194.9	230.4	281.0	382.3	400.0	384.8
62.5°	2637.9	2217.6	921.5	194.9	167.1	187.3	225.3	303.8	410.1	412.6	400.0
65°	2610.0	2108.8	789.8	174.7	157.0	179.7	217.7	308.8	346.8	334.2	331.6
67.5°	2483.4	1967.0	602.5	154.4	141.8	169.6	210.1	283.5	308.8	293.7	288.6
70°	2303.7	1718.9	402.5	131.6	126.6	157.0	210.1	265.8	275.9	250.6	240.5
72.5°	1974.6	1422.7	220.2	106.3	106.3	144.3	189.9	248.1	255.7	225.3	207.6
75°	1607.5	1030.3	141.8	81.0	81.0	121.5	172.1	235.4	250.6	217.7	194.9
77.5°	1106.3	564.5	98.7	58.2	53.2	93.7	136.7	192.4	222.8	187.3	159.5
80°	374.7	149.4	63.3	38.0	32.9	53.2	91.1	149.4	202.5	192.4	172.1
82.5°	146.8	93.7	43.0	25.3	22.8	25.3	45.6	93.7	162.0	174.7	202.5
85°	43.0	25.3	15.2	12.7	12.7	12.7	12.7	38.0	96.2	126.6	159.5
87.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	22.8	40.5	53.2
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)