

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: P691250

Luminaire Tested: **CRTK2-C015-5TLD-U-T3-7050-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691250
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-C015-5TLD-U-T3-7050-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4847 lumens
Efficiency: N/A
Efficacy: 148.2 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

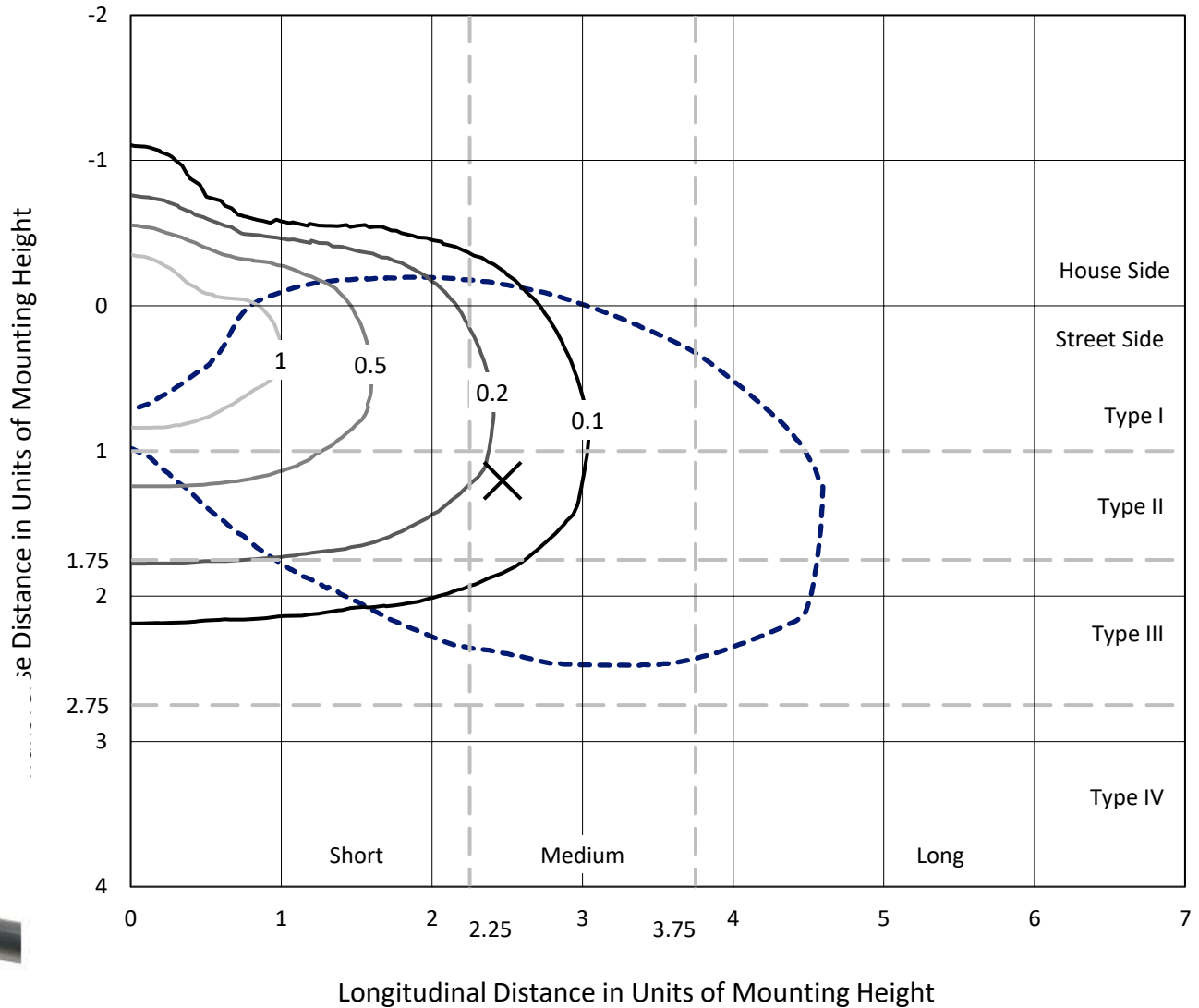
Input Watts (W): 32.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

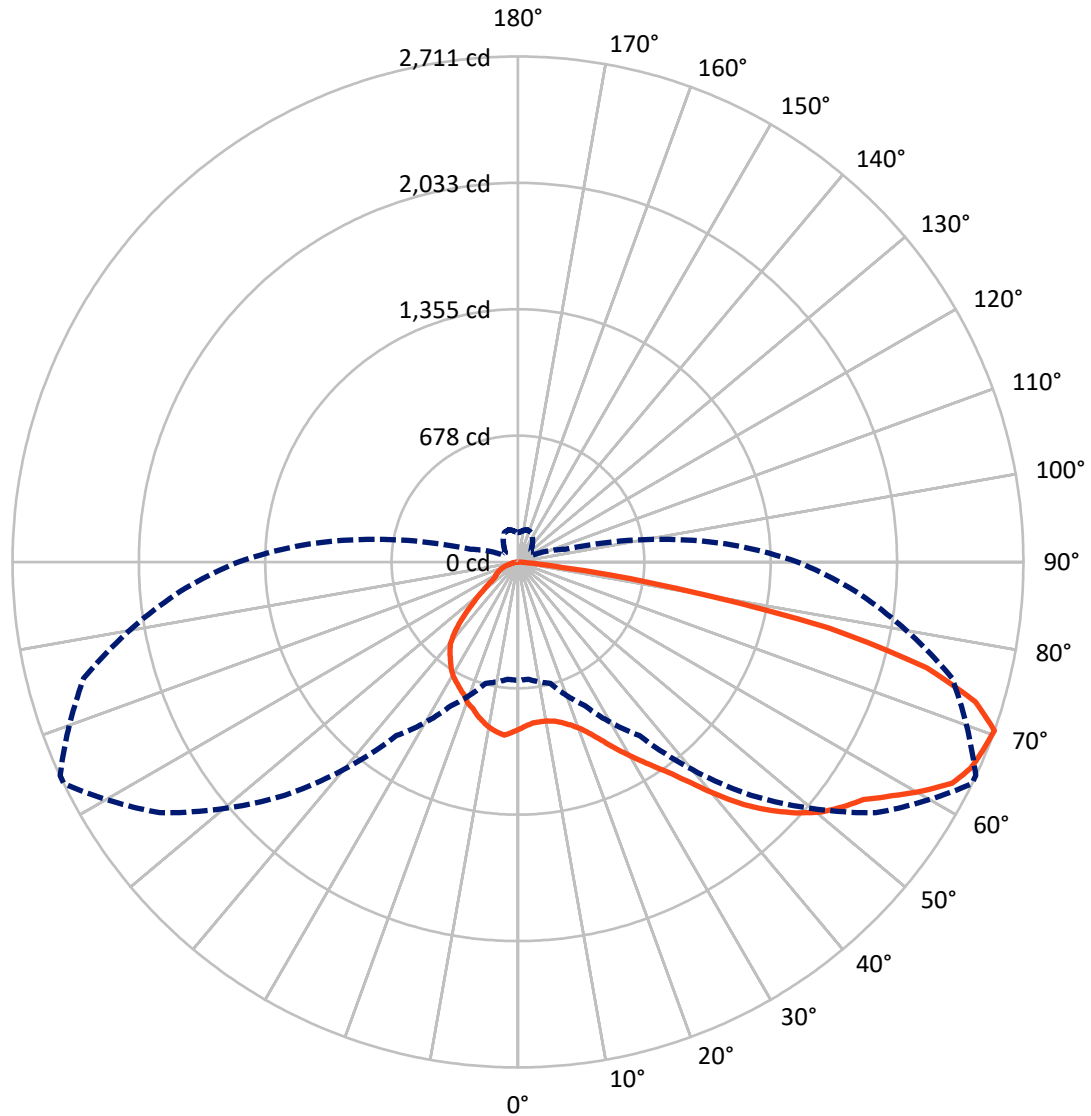
✕ Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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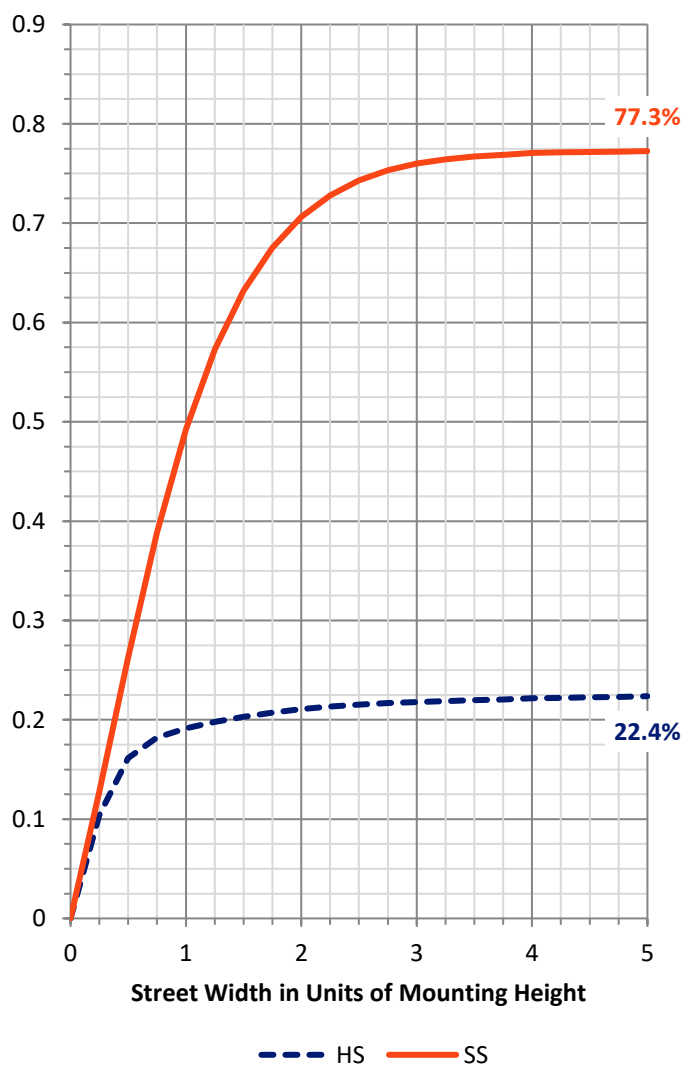
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1101.1	0.0	1101.1
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	3745.9	0.0	3745.9
	% Fixture	77.3	0.0	77.3
Total	Lumens	4847.0	0.0	4847.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	1.8
10°-20°	252.8	5.2
20°-30°	419.6	8.7
30°-40°	600.2	12.4
40°-50°	801.5	16.5
50°-60°	968.5	20.0
60°-70°	1030.8	21.3
70°-80°	633.2	13.1
80°-90°	54.2	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°	4847.0	100.0
0°-180°	4847.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691250

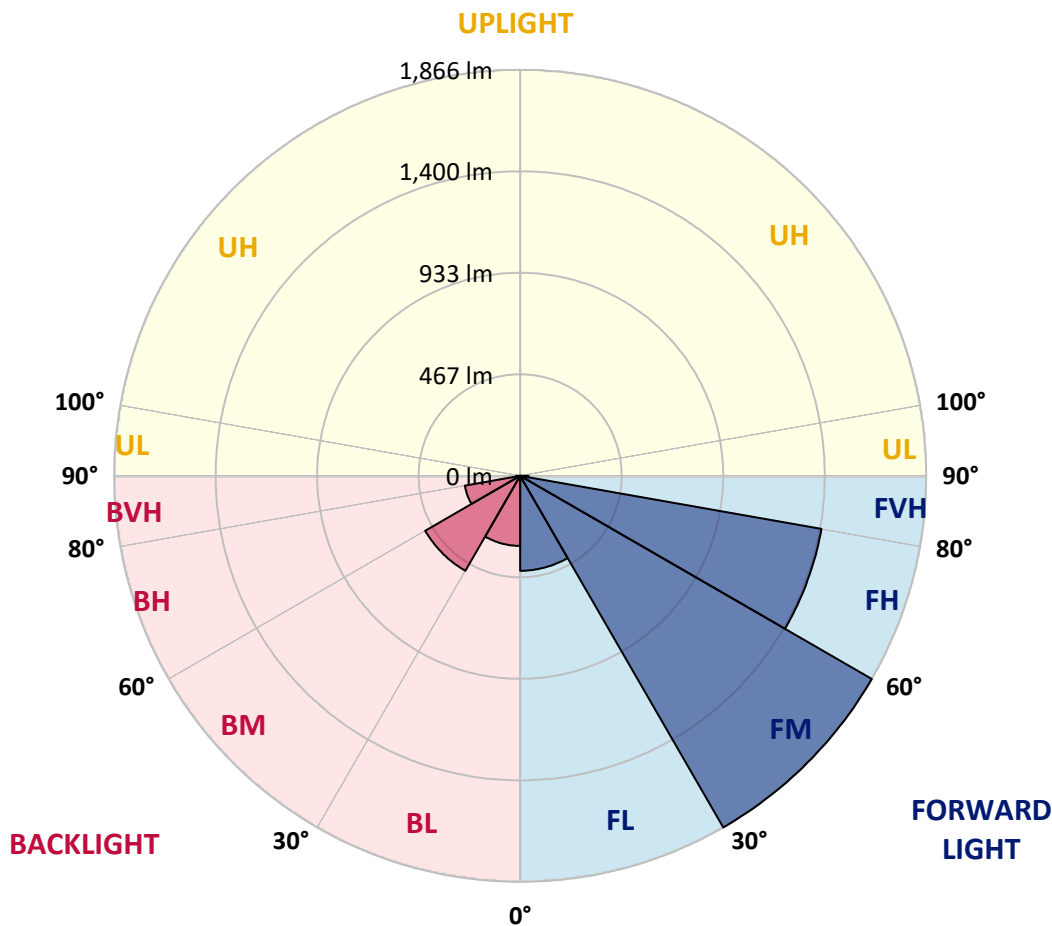
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	436.5	9.0			
FM (30°-60°)	1866.0	38.5			
FH (60°-80°)	1405.8	29.0			G1/1800
FVH (80°-90°)	37.7	0.8			G1/100
BL (0°-30°)	322.1	6.6	B1/500		
BM (30°-60°)	504.1	10.4	B1/1000		
BH (60°-80°)	258.2	5.3	B1/500		G1/500
BVH (80°-90°)	16.6	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





REPORT NUMBER: P691250

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7050-U0

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5
2.5°	875.0	875.0	875.0	875.0	876.7	878.3	876.7	878.3	878.3	881.6	886.6
5°	889.9	889.9	886.6	880.0	875.0	868.4	865.2	866.8	866.8	875.0	888.2
7.5°	894.8	894.8	891.5	891.5	886.6	871.7	866.8	865.2	866.8	870.1	888.2
10°	919.5	917.9	909.6	899.8	893.2	880.0	868.4	866.8	868.4	873.4	893.2
12.5°	945.9	945.9	942.6	934.4	916.2	903.1	883.3	876.7	875.0	880.0	891.5
15°	998.6	992.0	978.9	967.3	954.1	932.7	906.4	894.8	891.5	898.1	893.2
17.5°	1029.9	1025.0	1026.6	1008.5	997.0	967.3	941.0	919.5	917.9	924.5	903.1
20°	1064.6	1062.9	1066.2	1064.6	1046.4	1020.1	978.9	952.5	949.2	950.8	917.9
22.5°	1117.3	1117.3	1115.6	1115.6	1105.7	1074.4	1028.3	1001.9	997.0	985.5	942.6
25°	1175.0	1175.0	1175.0	1178.3	1178.3	1142.0	1095.9	1066.2	1062.9	1046.4	983.8
27.5°	1229.3	1232.6	1234.3	1235.9	1240.9	1224.4	1173.3	1138.7	1137.1	1115.6	1038.2
30°	1272.2	1273.8	1288.7	1292.0	1301.9	1296.9	1247.5	1214.5	1217.8	1189.8	1099.2
32.5°	1310.1	1311.7	1333.2	1344.7	1356.2	1357.9	1316.7	1293.6	1293.6	1268.9	1173.3
35°	1346.3	1348.0	1374.4	1402.4	1425.4	1418.9	1395.8	1382.6	1387.5	1379.3	1275.5
37.5°	1377.7	1384.2	1418.9	1460.1	1486.4	1491.4	1481.5	1499.6	1509.5	1522.7	1413.9
40°	1407.3	1410.6	1443.6	1486.4	1530.9	1554.0	1565.5	1639.7	1649.6	1659.4	1493.0
42.5°	1379.3	1385.9	1456.8	1521.0	1577.1	1616.6	1671.0	1779.7	1801.2	1746.8	1600.1
45°	1346.3	1354.6	1425.4	1534.2	1613.3	1685.8	1786.3	1901.7	1918.2	1835.8	1657.8
47.5°	1318.3	1328.2	1400.7	1522.7	1651.2	1779.7	1880.3	2010.5	2020.3	1911.6	1736.9
50°	1287.0	1295.3	1372.7	1507.8	1671.0	1865.4	1979.1	2109.3	2112.6	1974.2	1778.1
52.5°	1245.8	1254.1	1333.2	1484.8	1685.8	1923.1	2061.5	2181.8	2168.7	2054.9	1825.9
55°	1193.1	1204.6	1290.3	1453.5	1694.1	1957.7	2117.6	2249.4	2242.8	2150.5	1888.5
57.5°	1137.1	1148.6	1235.9	1410.6	1685.8	1979.1	2175.2	2366.4	2364.8	2228.0	1934.6
60°	1074.4	1084.3	1158.5	1354.6	1641.3	2013.7	2302.1	2493.3	2506.5	2315.3	1952.8
62.5°	992.0	993.7	1067.8	1273.8	1583.6	2038.5	2392.8	2613.6	2605.3	2373.0	1956.1
65°	883.3	888.2	954.1	1161.8	1489.7	2018.7	2415.8	2668.0	2668.0	2415.8	1952.8
67.5°	777.8	776.2	832.2	1021.7	1344.7	1931.4	2396.1	2691.0	2702.6	2443.9	1909.9
70°	634.4	631.2	674.0	850.3	1137.1	1769.9	2345.0	2710.8	2709.2	2410.9	1819.3
72.5°	469.7	468.0	497.7	644.3	870.1	1514.4	2193.4	2565.8	2549.3	2252.7	1643.0
75°	260.4	247.2	245.5	398.8	505.9	1061.3	1863.8	2262.6	2269.2	1990.7	1376.0
77.5°	37.9	39.5	41.2	72.5	87.3	397.1	1211.2	1705.6	1702.3	1535.9	1003.6
80°	26.4	28.0	29.7	36.3	41.2	93.9	418.6	860.2	909.6	807.5	463.1
82.5°	19.8	19.8	21.4	24.7	23.1	42.8	130.2	238.9	247.2	224.1	136.8
85°	13.2	13.2	11.5	13.2	8.2	11.5	29.7	44.5	47.8	46.1	37.9
87.5°	6.6	6.6	4.9	4.9	3.3	3.3	3.3	1.6	3.3	1.6	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691250

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7050-U0

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5	896.5
2.5°	891.5	894.8	904.7	912.9	922.8	934.4	941.0	947.5	954.1	950.8	955.8
5°	894.8	901.4	916.2	931.1	939.3	941.0	942.6	947.5	957.4	957.4	965.7
7.5°	898.1	909.6	909.6	917.9	929.4	932.7	934.4	937.7	942.6	944.3	942.6
10°	898.1	893.2	901.4	903.1	898.1	906.4	911.3	909.6	914.6	916.2	916.2
12.5°	888.2	886.6	880.0	880.0	878.3	865.2	865.2	878.3	878.3	886.6	888.2
15°	888.2	875.0	866.8	855.3	843.7	838.8	832.2	822.3	825.6	837.1	840.4
17.5°	886.6	871.7	847.0	824.0	815.7	795.9	789.4	789.4	787.7	794.3	795.9
20°	893.2	871.7	833.8	807.5	763.0	756.4	743.2	744.9	746.5	736.6	731.7
22.5°	911.3	884.9	824.0	772.9	738.3	708.6	683.9	667.4	665.8	660.8	665.8
25°	939.3	908.0	825.6	753.1	697.1	654.2	637.7	598.2	580.1	581.7	591.6
27.5°	990.4	936.0	833.8	731.7	664.1	603.1	550.4	525.7	505.9	505.9	509.2
30°	1038.2	978.9	830.5	713.5	613.0	537.2	469.7	430.1	423.5	416.9	415.3
32.5°	1127.2	1033.2	863.5	687.2	565.2	453.2	385.6	331.2	336.2	337.8	341.1
35°	1216.2	1120.6	870.1	654.2	496.0	369.1	298.3	268.6	281.8	285.1	288.4
37.5°	1334.8	1229.3	914.6	624.6	425.2	283.4	237.3	224.1	237.3	237.3	238.9
40°	1399.1	1280.4	950.8	594.9	332.9	209.3	186.2	176.3	192.8	206.0	209.3
42.5°	1489.7	1346.3	983.8	535.6	235.7	156.6	143.4	163.1	189.5	202.7	204.3
45°	1535.9	1379.3	972.3	456.5	154.9	126.9	140.1	164.8	191.2	204.3	206.0
47.5°	1598.5	1425.4	949.2	364.2	123.6	125.2	141.7	169.7	196.1	207.6	209.3
50°	1659.4	1473.2	889.9	290.0	118.6	125.2	145.0	171.4	194.5	202.7	201.0
52.5°	1694.1	1517.7	814.1	220.8	118.6	126.9	148.3	174.7	192.8	194.5	194.5
55°	1725.4	1522.7	751.4	171.4	117.0	128.5	151.6	178.0	194.5	194.5	191.2
57.5°	1745.1	1502.9	703.7	148.3	117.0	128.5	151.6	178.0	202.7	207.6	202.7
60°	1736.9	1465.0	670.7	138.4	113.7	126.9	150.0	182.9	248.8	260.4	250.5
62.5°	1717.1	1443.6	599.8	126.9	108.8	121.9	146.7	197.7	267.0	268.6	260.4
65°	1699.0	1372.7	514.1	113.7	102.2	117.0	141.7	201.0	225.8	217.5	215.9
67.5°	1616.6	1280.4	392.2	100.5	92.3	110.4	136.8	184.6	201.0	191.2	187.9
70°	1499.6	1118.9	262.0	85.7	82.4	102.2	136.8	173.0	179.6	163.1	156.6
72.5°	1285.4	926.1	143.4	69.2	69.2	93.9	123.6	161.5	166.4	146.7	135.1
75°	1046.4	670.7	92.3	52.7	52.7	79.1	112.1	153.3	163.1	141.7	126.9
77.5°	720.1	367.5	64.3	37.9	34.6	61.0	89.0	125.2	145.0	121.9	103.8
80°	243.9	97.2	41.2	24.7	21.4	34.6	59.3	97.2	131.8	125.2	112.1
82.5°	95.6	61.0	28.0	16.5	14.8	16.5	29.7	61.0	105.5	113.7	131.8
85°	28.0	16.5	9.9	8.2	8.2	8.2	8.2	24.7	62.6	82.4	103.8
87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	14.8	26.4	34.6
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)