

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: P691249

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691249
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-12)
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-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4498 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

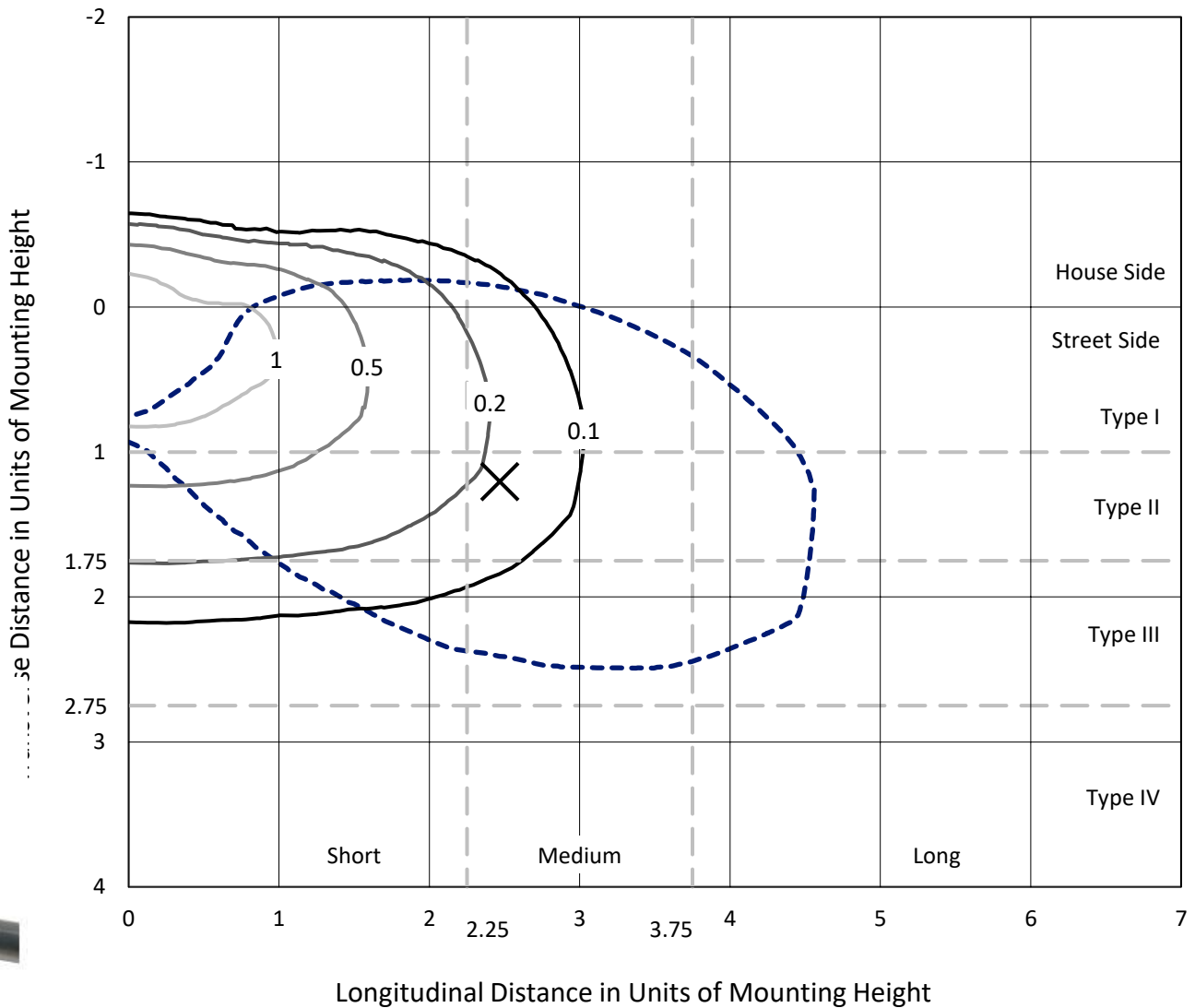
Input Watts (W): 32.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

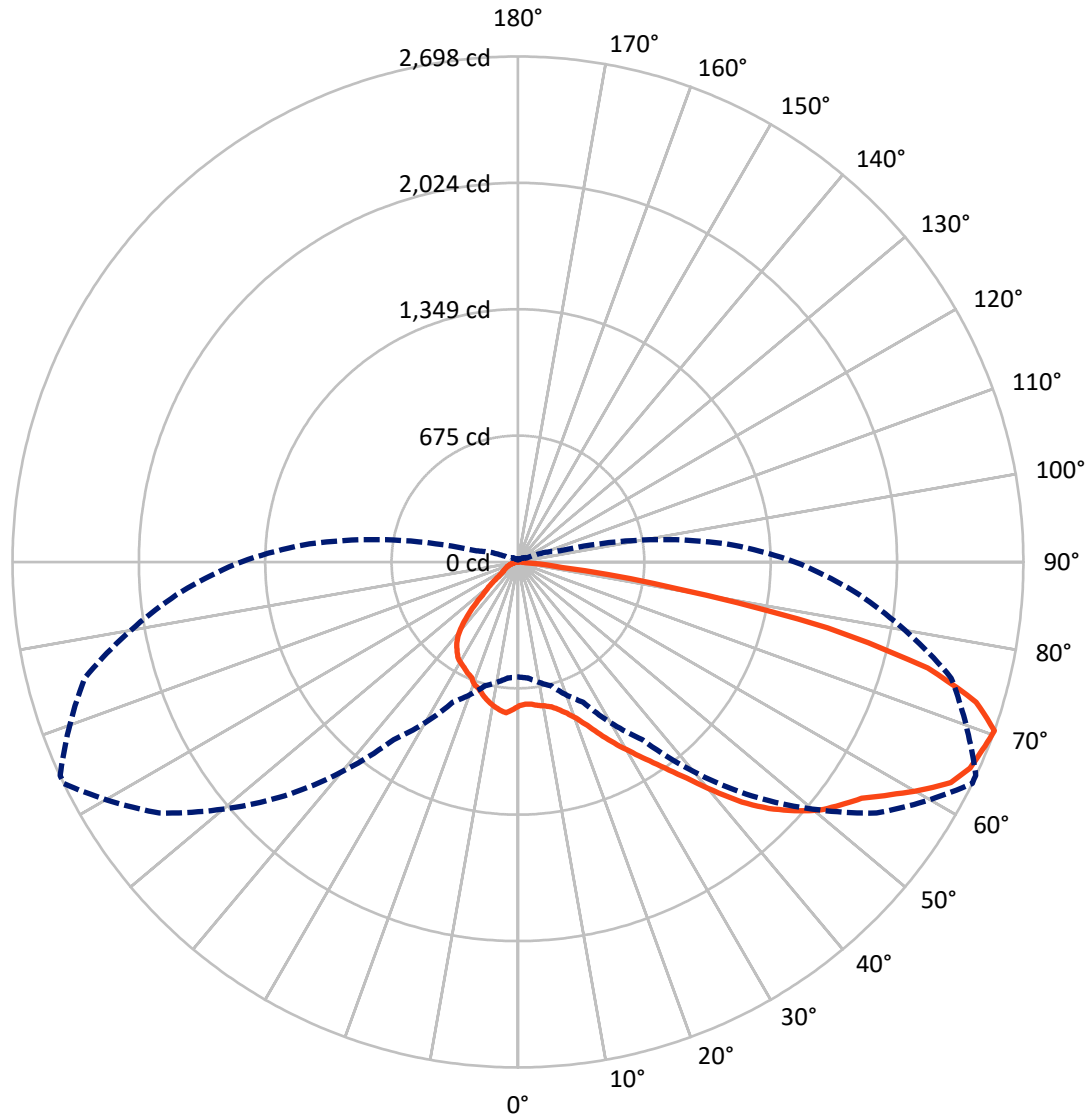
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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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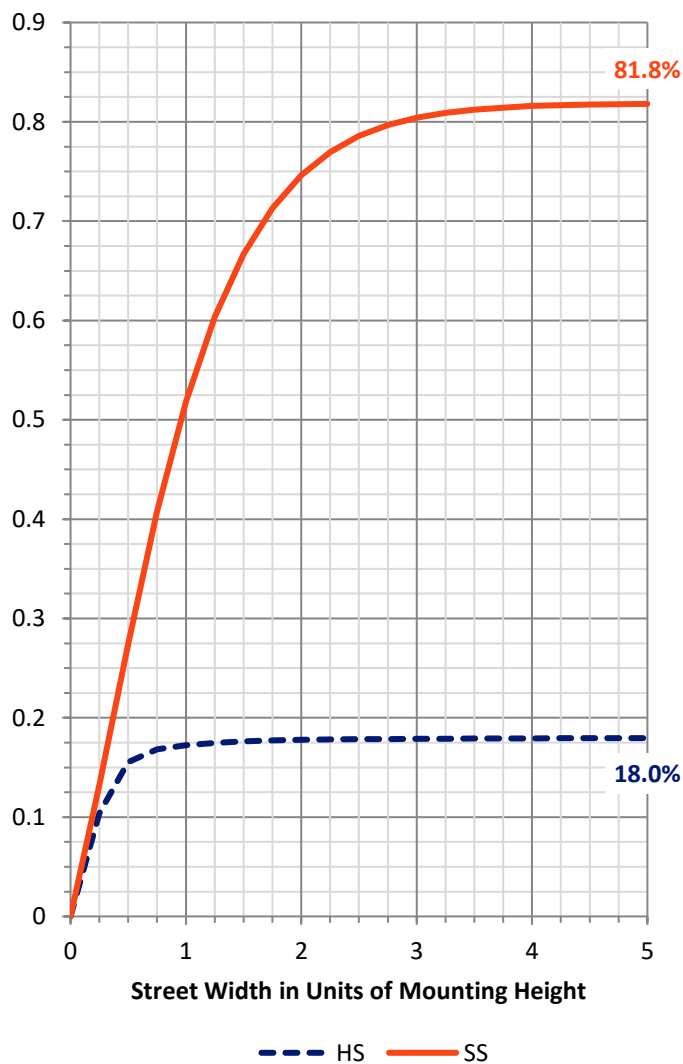
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	817.5	0.0	817.5
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	3680.5	0.0	3680.5
	% Fixture	81.8	0.0	81.8
Total	Lumens	4498.0	0.0	4498.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.8	1.7
10°-20°	221.4	4.9
20°-30°	373.1	8.3
30°-40°	549.0	12.2
40°-50°	752.9	16.7
50°-60°	916.1	20.4
60°-70°	972.7	21.6
70°-80°	596.3	13.3
80°-90°	41.6	0.9
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°	4498.0	100.0
0°-180°	4498.0	100.0

Coefficient of Utilization



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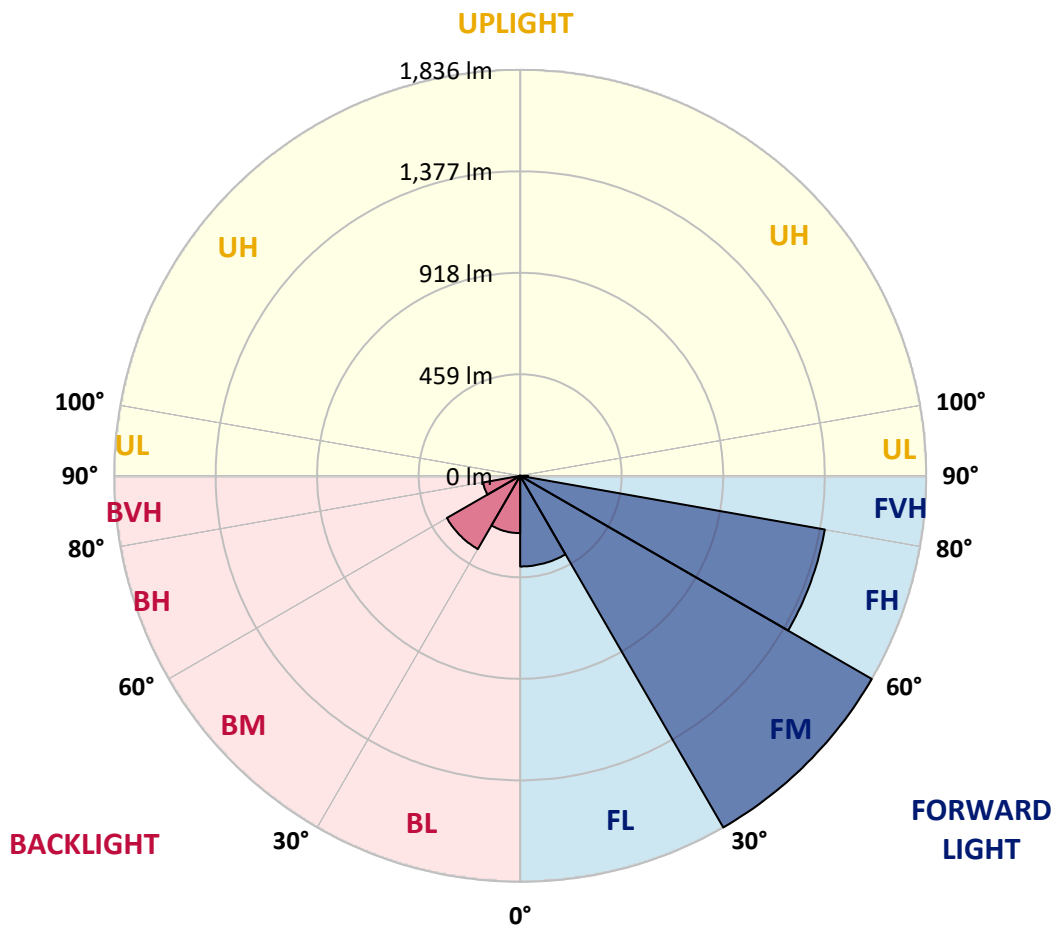
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	410.0	9.1			
FM (30°-60°)	1835.5	40.8			
FH (60°-80°)	1398.7	31.1			G1/1800
FVH (80°-90°)	36.3	0.8			G1/100
BL (0°-30°)	259.3	5.8	B1/500		
BM (30°-60°)	382.6	8.5	B1/1000		
BH (60°-80°)	170.2	3.8	B1/500		G1/500
BVH (80°-90°)	5.3	0.1			G0/10
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°	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0
2.5°	759.8	759.8	761.4	759.8	763.1	758.1	759.8	759.8	759.8	761.4	766.4
5°	782.9	782.9	779.6	774.6	769.7	763.1	763.1	763.1	763.1	766.4	777.9
7.5°	797.7	796.1	796.1	796.1	791.1	777.9	774.6	773.0	773.0	773.0	784.5
10°	834.0	829.0	822.4	812.5	807.6	796.1	782.9	781.2	781.2	782.9	797.7
12.5°	868.6	863.6	863.6	857.0	837.3	824.1	801.0	792.8	792.8	796.1	804.3
15°	926.3	921.3	908.1	896.6	878.5	855.4	832.3	817.5	815.8	822.4	810.9
17.5°	967.5	959.2	960.9	942.7	927.9	894.9	871.9	848.8	848.8	855.4	832.3
20°	1007.0	1007.0	1008.7	1007.0	982.3	955.9	918.0	890.0	891.6	893.3	857.0
22.5°	1066.3	1064.7	1064.7	1066.3	1049.9	1020.2	979.0	947.7	946.0	932.8	888.3
25°	1135.6	1132.3	1125.7	1132.3	1124.0	1089.4	1049.9	1018.6	1013.6	995.5	934.5
27.5°	1193.3	1193.3	1193.3	1196.6	1196.6	1171.8	1127.3	1094.4	1097.7	1072.9	988.9
30°	1234.5	1234.5	1249.3	1255.9	1260.8	1252.6	1204.8	1170.2	1176.8	1147.1	1056.5
32.5°	1279.0	1277.3	1297.1	1311.9	1318.5	1321.8	1282.3	1254.2	1255.9	1229.5	1133.9
35°	1320.2	1316.9	1343.2	1374.6	1391.0	1387.7	1359.7	1349.8	1353.1	1344.9	1239.4
37.5°	1349.8	1354.8	1389.4	1430.6	1457.0	1463.6	1445.4	1463.6	1481.7	1493.2	1376.2
40°	1382.8	1382.8	1415.8	1460.3	1501.5	1526.2	1539.4	1605.3	1620.1	1628.4	1457.0
42.5°	1349.8	1361.4	1430.6	1494.9	1549.3	1587.2	1641.6	1752.0	1768.5	1717.4	1564.1
45°	1321.8	1331.7	1400.9	1509.7	1588.8	1663.0	1761.9	1877.2	1893.7	1806.4	1625.1
47.5°	1293.8	1305.3	1377.8	1498.2	1625.1	1747.0	1859.1	1984.4	1992.6	1883.8	1705.8
50°	1262.5	1274.0	1349.8	1483.3	1646.5	1837.7	1954.7	2083.3	2084.9	1951.4	1747.0
52.5°	1222.9	1237.8	1313.6	1461.9	1664.6	1898.7	2040.4	2155.8	2145.9	2033.8	1796.5
55°	1173.5	1190.0	1274.0	1433.9	1674.5	1938.2	2096.4	2226.6	2220.0	2129.4	1860.8
57.5°	1117.4	1135.6	1222.9	1391.0	1671.2	1958.0	2154.1	2343.7	2347.0	2208.5	1908.5
60°	1053.2	1069.6	1152.1	1335.0	1628.4	1994.3	2277.7	2472.2	2483.8	2295.9	1928.3
62.5°	969.1	983.9	1063.1	1252.6	1574.0	2020.6	2371.7	2594.2	2589.2	2355.2	1934.9
65°	863.6	880.1	954.3	1143.8	1488.3	2004.1	2401.3	2651.9	2651.9	2398.0	1930.0
67.5°	756.5	771.3	834.0	1005.4	1349.8	1921.7	2383.2	2674.9	2689.8	2426.1	1885.5
70°	613.1	621.4	684.0	825.7	1157.0	1766.8	2337.1	2698.0	2696.4	2394.8	1801.4
72.5°	449.9	459.8	510.9	619.7	894.9	1529.5	2192.0	2557.9	2531.5	2226.6	1638.3
75°	232.4	242.3	281.8	389.0	570.3	1079.5	1869.0	2259.6	2254.7	1971.2	1356.4
77.5°	31.3	31.3	36.3	64.3	131.9	430.2	1224.6	1692.6	1682.8	1503.1	985.6
80°	21.4	21.4	24.7	29.7	37.9	93.9	431.8	858.7	873.5	774.6	441.7
82.5°	16.5	14.8	18.1	21.4	23.1	42.9	131.9	237.3	240.6	215.9	135.1
85°	9.9	9.9	9.9	9.9	8.2	11.5	29.7	39.6	44.5	42.9	34.6
87.5°	4.9	4.9	4.9	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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°	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0	768.0
2.5°	768.0	773.0	779.6	787.8	796.1	802.6	809.2	812.5	815.8	817.5	819.1
5°	781.2	787.8	796.1	807.6	807.6	802.6	799.3	799.3	802.6	807.6	809.2
7.5°	794.4	801.0	797.7	796.1	797.7	791.1	782.9	777.9	774.6	774.6	777.9
10°	799.3	792.8	789.5	781.2	764.7	761.4	754.8	741.7	738.4	741.7	730.1
12.5°	796.1	791.1	774.6	761.4	745.0	716.9	700.5	700.5	692.2	690.6	692.2
15°	804.3	787.8	768.0	740.0	710.3	687.3	660.9	637.8	631.2	632.9	632.9
17.5°	810.9	794.4	754.8	712.0	685.6	644.4	614.8	601.6	590.0	588.4	588.4
20°	825.7	802.6	746.6	700.5	634.5	603.2	570.3	553.8	535.6	510.9	502.7
22.5°	848.8	817.5	741.7	669.1	611.5	562.0	514.2	464.8	435.1	415.3	420.3
25°	880.1	845.5	746.6	657.6	576.9	514.2	451.6	384.0	339.5	326.3	334.6
27.5°	936.1	876.8	761.4	641.1	552.1	458.2	364.2	304.9	263.7	250.5	255.5
30°	987.2	924.6	763.1	631.2	512.6	392.3	286.8	220.9	187.9	168.1	163.2
32.5°	1079.5	975.7	804.3	618.1	471.4	319.7	211.0	146.7	117.0	105.5	102.2
35°	1170.2	1066.3	815.8	593.3	395.6	237.3	130.2	87.4	70.9	62.6	61.0
37.5°	1295.4	1176.8	863.6	567.0	319.7	145.0	79.1	52.7	49.4	47.8	47.8
40°	1358.1	1234.5	903.2	529.1	224.1	82.4	51.1	46.1	44.5	42.9	42.9
42.5°	1447.1	1300.4	936.1	461.5	131.9	54.4	46.1	42.9	41.2	39.6	39.6
45°	1496.5	1335.0	927.9	379.1	65.9	51.1	44.5	41.2	37.9	37.9	37.9
47.5°	1562.4	1386.1	906.5	280.2	59.3	49.4	42.9	39.6	37.9	39.6	37.9
50°	1625.1	1435.5	847.1	222.5	57.7	47.8	42.9	37.9	37.9	37.9	37.9
52.5°	1659.7	1481.7	773.0	163.2	59.3	47.8	41.2	37.9	37.9	36.3	37.9
55°	1692.6	1488.3	713.6	118.7	59.3	46.1	39.6	36.3	34.6	33.0	33.0
57.5°	1715.7	1473.4	665.8	98.9	59.3	46.1	37.9	34.6	29.7	28.0	28.0
60°	1709.1	1437.2	626.3	90.6	56.0	42.9	34.6	29.7	26.4	23.1	23.1
62.5°	1691.0	1415.8	553.8	79.1	51.1	39.6	31.3	24.7	21.4	19.8	19.8
65°	1674.5	1348.2	469.7	70.9	47.8	34.6	26.4	21.4	18.1	16.5	16.5
67.5°	1595.4	1259.2	349.4	61.0	42.9	31.3	23.1	19.8	16.5	14.8	13.2
70°	1478.4	1115.8	229.1	52.7	37.9	26.4	19.8	16.5	13.2	11.5	11.5
72.5°	1279.0	921.3	118.7	42.9	31.3	23.1	18.1	14.8	11.5	9.9	9.9
75°	1038.3	677.4	70.9	33.0	24.7	19.8	14.8	11.5	9.9	8.2	8.2
77.5°	718.6	374.1	51.1	24.7	16.5	14.8	11.5	9.9	8.2	6.6	6.6
80°	242.3	102.2	36.3	18.1	11.5	11.5	8.2	6.6	6.6	4.9	4.9
82.5°	95.6	62.6	24.7	13.2	9.9	8.2	6.6	4.9	4.9	4.9	4.9
85°	26.4	18.1	9.9	6.6	4.9	4.9	4.9	3.3	3.3	3.3	3.3
87.5°	1.6	3.3	3.3	3.3	3.3	3.3	1.6	1.6	1.6	1.6	1.6
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)