

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: P691217

Luminaire Tested: **CRTK2-C015-5TLD-U-T2-7050-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691217
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T2-7050-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4374 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

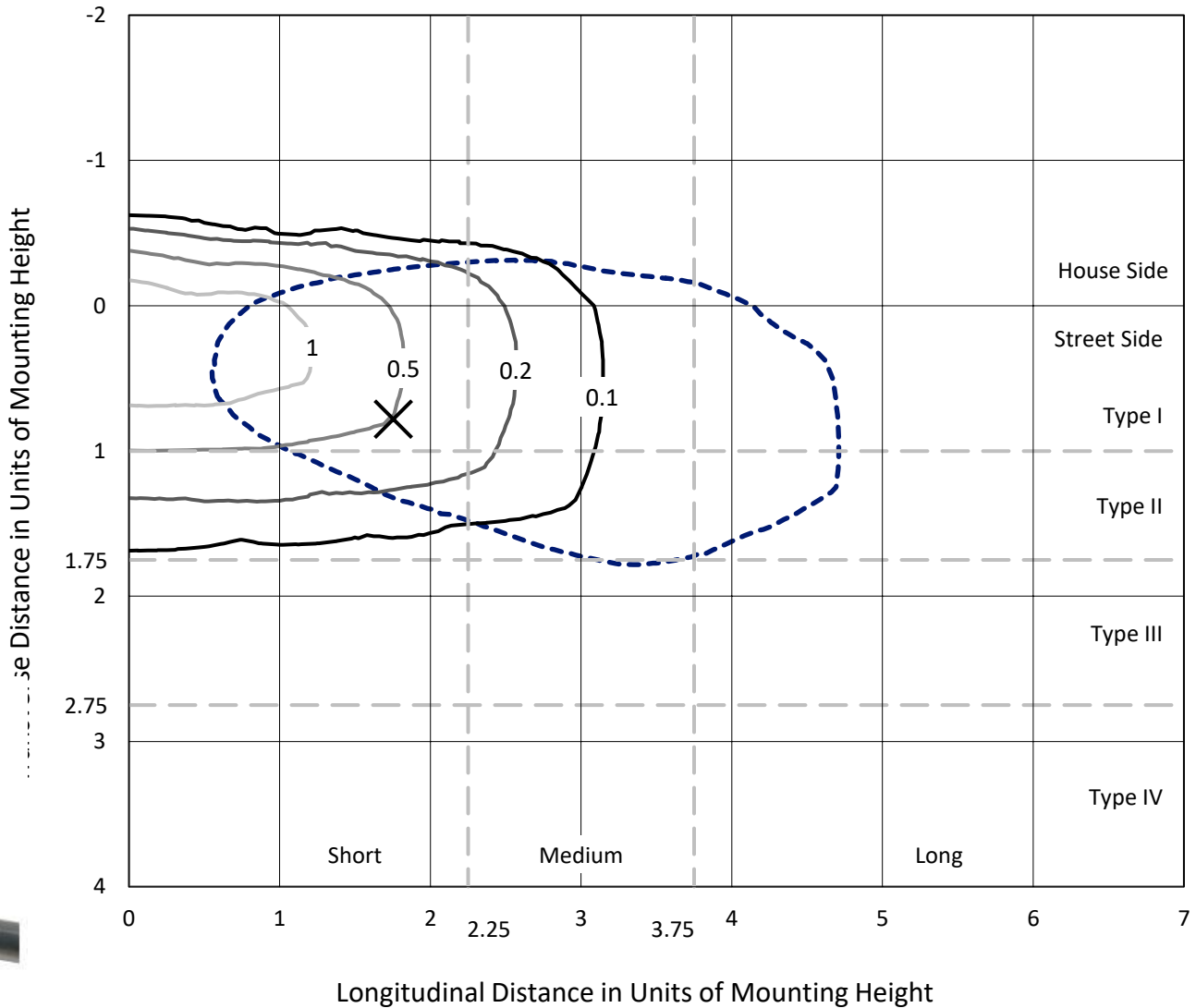
Input Watts (W): 32.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

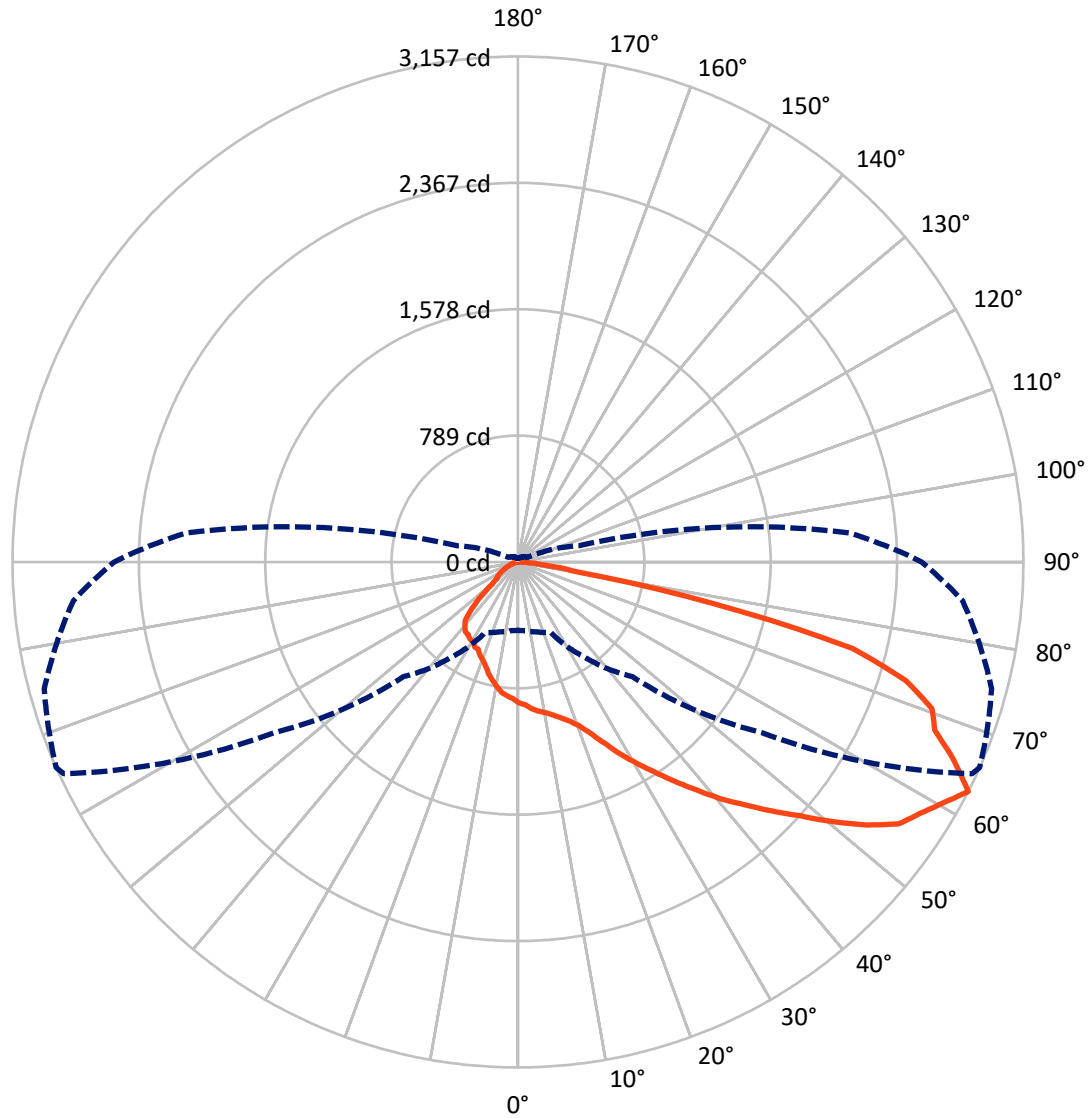
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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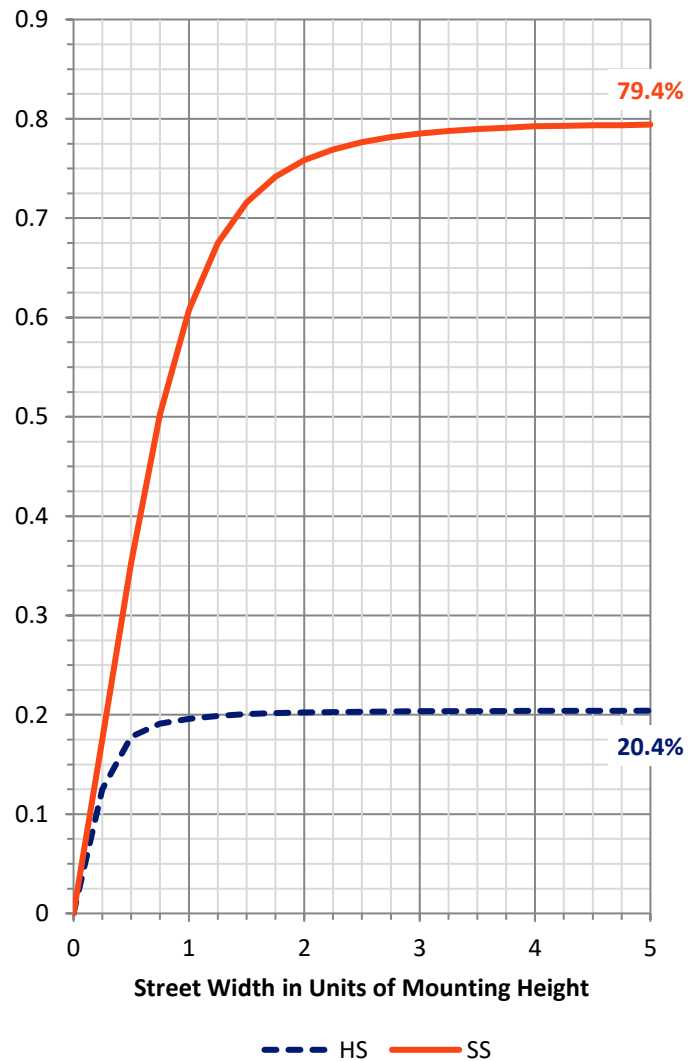
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	903.5	0.0	903.5
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	3470.4	0.0	3470.4
	% Fixture	79.3	0.0	79.3
Total	Lumens	4374.0	0.0	4374.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.1	1.9
10°-20°	236.7	5.4
20°-30°	388.4	8.9
30°-40°	571.6	13.1
40°-50°	753.8	17.2
50°-60°	877.5	20.1
60°-70°	871.9	19.9
70°-80°	539.4	12.3
80°-90°	51.6	1.2
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°	4374.0	100.0
0°-180°	4374.0	100.0



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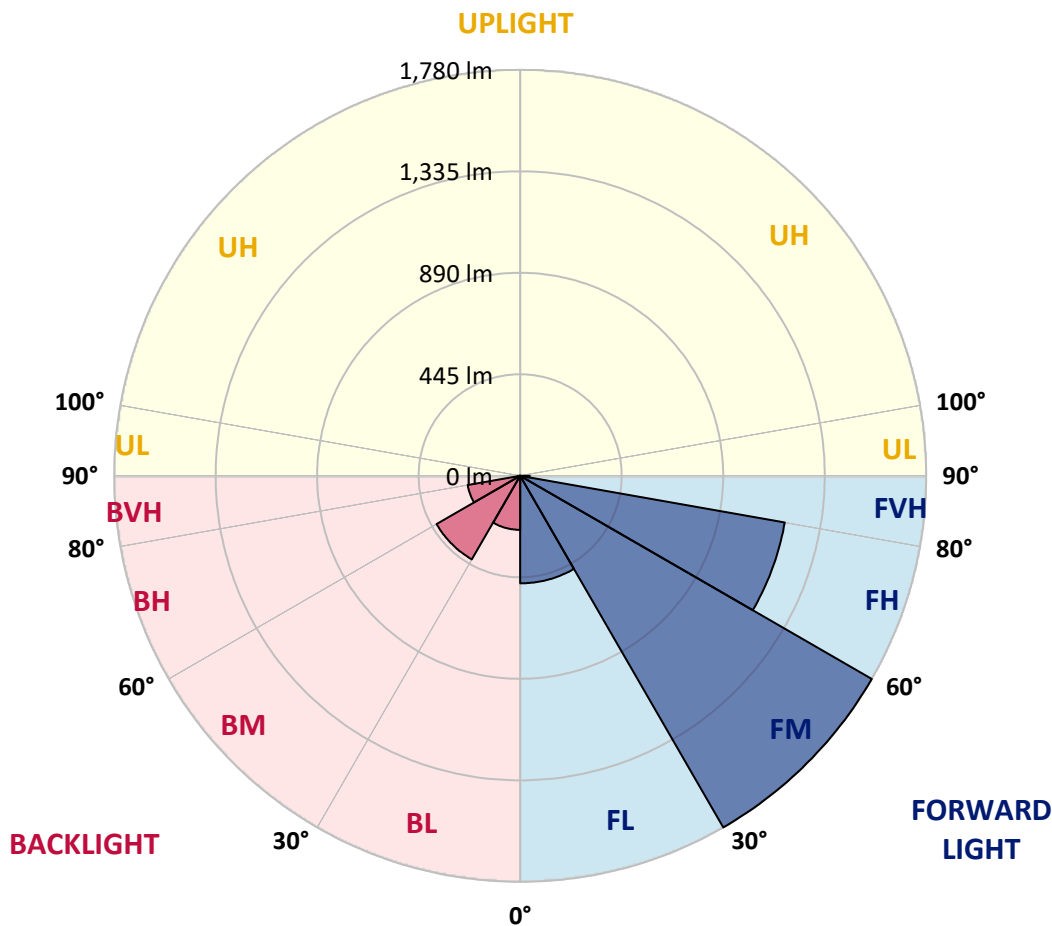
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	471.3	10.8			
FM (30°-60°)	1779.7	40.7			
FH (60°-80°)	1177.7	26.9			G1/1800
FVH (80°-90°)	41.6	1.0			G1/100
BL (0°-30°)	237.0	5.4	B1/500		
BM (30°-60°)	423.1	9.7	B1/1000		
BH (60°-80°)	233.6	5.3	B1/500		G1/500
BVH (80°-90°)	9.9	0.2			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	880.2	880.2	880.2	880.2	880.2	880.2	880.2	880.2	880.2	880.2	880.2
2.5°	929.7	929.7	928.0	916.5	911.5	904.9	900.0	895.0	893.4	888.4	880.2
5°	984.0	982.4	982.4	972.5	962.6	949.4	936.2	923.1	921.4	908.2	890.1
7.5°	1015.4	1015.4	1012.1	1005.5	998.9	990.6	970.9	942.8	941.2	923.1	898.3
10°	1023.6	1025.3	1031.8	1015.4	1010.4	1002.2	992.3	962.6	957.7	931.3	891.7
12.5°	1053.3	1053.3	1051.6	1036.8	1031.8	1025.3	1008.8	985.7	980.7	947.8	893.4
15°	1089.5	1091.2	1086.2	1073.1	1066.5	1058.2	1036.8	1012.1	1010.4	967.6	906.6
17.5°	1107.7	1107.7	1111.0	1092.8	1094.5	1091.2	1081.3	1046.7	1045.0	1005.5	929.7
20°	1114.3	1115.9	1117.6	1117.6	1119.2	1115.9	1125.8	1096.1	1091.2	1046.7	961.0
22.5°	1143.9	1147.2	1155.5	1150.5	1158.8	1163.7	1167.0	1168.7	1162.1	1115.9	1013.7
25°	1157.1	1165.4	1176.9	1195.0	1208.2	1218.1	1242.8	1254.4	1252.7	1213.2	1101.1
27.5°	1137.3	1147.2	1186.8	1218.1	1264.3	1290.6	1336.8	1351.6	1356.6	1320.3	1195.0
30°	1163.7	1167.0	1185.1	1224.7	1282.4	1361.5	1424.1	1457.1	1457.1	1429.1	1287.3
32.5°	1122.5	1132.4	1185.1	1257.7	1346.7	1432.4	1491.7	1562.6	1562.6	1549.4	1419.2
35°	1117.6	1122.5	1153.8	1234.6	1348.3	1504.9	1584.0	1668.1	1679.6	1681.3	1549.4
37.5°	1071.4	1081.3	1137.3	1241.2	1397.8	1549.4	1659.9	1790.1	1803.3	1821.4	1658.2
40°	1020.3	1023.6	1073.1	1181.8	1386.2	1607.1	1732.4	1926.9	1941.7	1966.4	1803.3
42.5°	944.5	957.7	1040.1	1158.8	1381.3	1625.2	1813.1	2055.5	2071.9	2106.5	1923.6
45°	876.9	881.8	942.8	1074.7	1326.9	1651.6	1875.8	2207.1	2217.0	2238.4	2024.1
47.5°	822.5	825.8	886.8	1000.5	1275.8	1645.0	1936.8	2343.9	2367.0	2399.9	2142.8
50°	659.3	677.5	829.1	939.5	1186.8	1633.5	1984.6	2515.3	2549.9	2563.1	2279.6
52.5°	562.1	565.4	644.5	878.6	1094.5	1584.0	2030.7	2690.1	2729.6	2693.4	2444.5
55°	520.9	524.2	560.4	756.6	1017.0	1488.4	2065.3	2858.2	2886.2	2797.2	2568.1
57.5°	494.5	501.1	517.6	614.8	924.7	1328.5	2071.9	2950.5	2962.0	2879.6	2630.7
60°	458.2	458.2	491.2	537.4	824.2	1157.1	2017.5	2996.6	3052.7	2973.6	2746.1
62.5°	426.9	430.2	451.6	486.3	725.3	1012.1	1857.7	3128.5	3156.5	3062.6	2787.3
65°	390.7	393.9	413.7	448.3	659.3	931.3	1771.9	3075.8	2993.3	3039.5	2838.4
67.5°	349.4	351.1	370.9	402.2	553.8	858.8	1565.9	2874.7	2807.1	2930.7	2696.6
70°	308.2	308.2	324.7	349.4	451.6	753.3	1293.9	2691.7	2742.8	2749.4	2556.5
72.5°	257.1	258.8	275.3	296.7	362.6	629.7	1023.6	2508.7	2531.8	2444.5	2248.3
75°	184.6	191.2	209.3	230.8	286.8	499.4	726.9	2039.0	2159.3	2314.2	1931.8
77.5°	28.0	28.0	34.6	52.7	94.0	250.5	336.3	1125.8	1249.4	1936.8	1687.9
80°	23.1	23.1	24.7	34.6	54.4	140.1	108.8	352.7	379.1	890.1	951.1
82.5°	11.5	11.5	18.1	24.7	33.0	41.2	46.2	169.8	196.1	303.3	379.1
85°	6.6	6.6	8.2	11.5	13.2	13.2	14.8	80.8	84.1	164.8	171.4
87.5°	1.6	1.6	3.3	3.3	3.3	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°	880.2	880.2	880.2	880.2	880.2	880.2	880.2	880.2	880.2	880.2	880.2
2.5°	876.9	872.0	862.1	853.8	848.9	839.0	830.8	824.2	820.9	829.1	830.8
5°	878.6	867.0	848.9	837.3	824.2	807.7	787.9	776.4	771.4	773.1	778.0
7.5°	881.8	865.4	843.9	819.2	784.6	751.6	728.6	715.4	708.8	717.0	717.0
10°	872.0	853.8	824.2	786.2	741.7	708.8	682.4	659.3	651.1	654.4	656.0
12.5°	872.0	847.2	797.8	751.6	710.4	656.0	616.5	595.0	586.8	588.4	591.7
15°	876.9	843.9	774.7	718.7	657.7	600.0	565.4	539.0	530.8	522.5	525.8
17.5°	893.4	839.0	763.2	674.2	606.6	552.2	504.4	474.7	468.1	468.1	469.8
20°	909.9	845.6	743.4	641.2	560.4	492.8	443.4	422.0	407.1	400.5	407.1
22.5°	944.5	868.7	730.2	619.8	512.6	448.3	402.2	354.4	328.0	316.5	319.8
25°	1007.1	909.9	740.1	581.9	486.3	407.1	342.8	285.2	248.9	237.4	240.7
27.5°	1104.4	977.5	751.6	578.6	438.5	365.9	278.6	215.9	187.9	176.4	179.7
30°	1200.0	1069.8	789.5	545.6	420.3	300.0	211.0	166.5	138.5	126.9	130.2
32.5°	1282.4	1158.8	837.3	537.4	372.5	225.8	158.2	123.6	102.2	92.3	94.0
35°	1404.4	1234.6	878.6	512.6	316.5	169.8	115.4	89.0	77.5	74.2	74.2
37.5°	1513.2	1323.6	918.1	504.4	237.4	126.9	82.4	72.5	70.9	65.9	65.9
40°	1626.9	1417.6	936.2	474.7	173.1	89.0	67.6	67.6	65.9	61.0	61.0
42.5°	1760.4	1513.2	952.7	440.1	123.6	67.6	62.6	64.3	62.6	57.7	56.0
45°	1856.0	1572.5	957.7	352.7	85.7	64.3	59.3	61.0	59.3	56.0	54.4
47.5°	1943.4	1658.2	936.2	247.2	69.2	61.0	57.7	57.7	57.7	52.7	51.1
50°	2034.0	1729.1	918.1	133.5	67.6	59.3	54.4	52.7	54.4	51.1	49.4
52.5°	2154.4	1783.5	870.3	90.7	65.9	57.7	52.7	49.4	51.1	47.8	49.4
55°	2314.2	1926.9	783.0	85.7	65.9	56.0	51.1	46.2	46.2	44.5	44.5
57.5°	2386.8	1981.3	642.8	82.4	64.3	56.0	47.8	42.9	39.6	37.9	36.3
60°	2475.8	2060.4	496.1	75.8	59.3	52.7	42.9	37.9	33.0	31.3	31.3
62.5°	2521.9	2078.5	392.3	67.6	54.4	46.2	37.9	31.3	26.4	23.1	23.1
65°	2548.3	2068.6	273.6	61.0	47.8	41.2	33.0	26.4	19.8	18.1	16.5
67.5°	2459.3	2009.3	159.9	52.7	41.2	36.3	28.0	21.4	16.5	14.8	13.2
70°	2281.3	1828.0	100.5	46.2	36.3	31.3	24.7	18.1	13.2	11.5	11.5
72.5°	2090.1	1473.6	69.2	36.3	28.0	24.7	18.1	14.8	11.5	8.2	8.2
75°	1880.7	1279.1	51.1	26.4	19.8	18.1	14.8	11.5	9.9	6.6	6.6
77.5°	1333.5	847.2	41.2	19.8	13.2	11.5	9.9	8.2	6.6	6.6	4.9
80°	787.9	413.7	31.3	13.2	9.9	8.2	6.6	6.6	4.9	4.9	4.9
82.5°	295.0	158.2	21.4	9.9	6.6	6.6	4.9	4.9	3.3	3.3	3.3
85°	107.1	39.6	9.9	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3
87.5°	1.6	1.6	1.6	1.6	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

(END OF REPORT)