

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: P691493

Luminaire Tested: **CRTK2-C016-D-U-T2-7050-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691493
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-C016-D-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: 5256 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

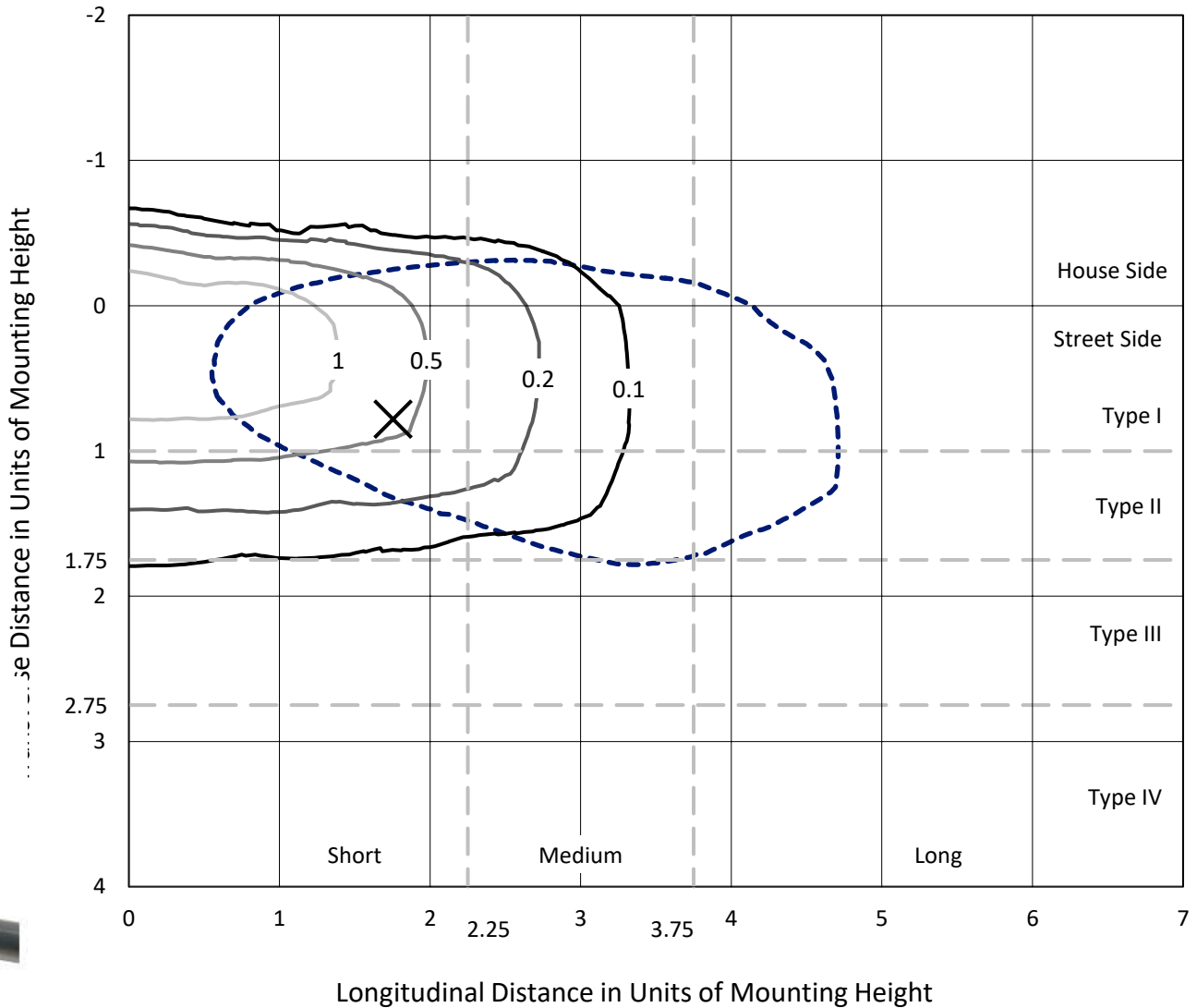
Input Watts (W): 41.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

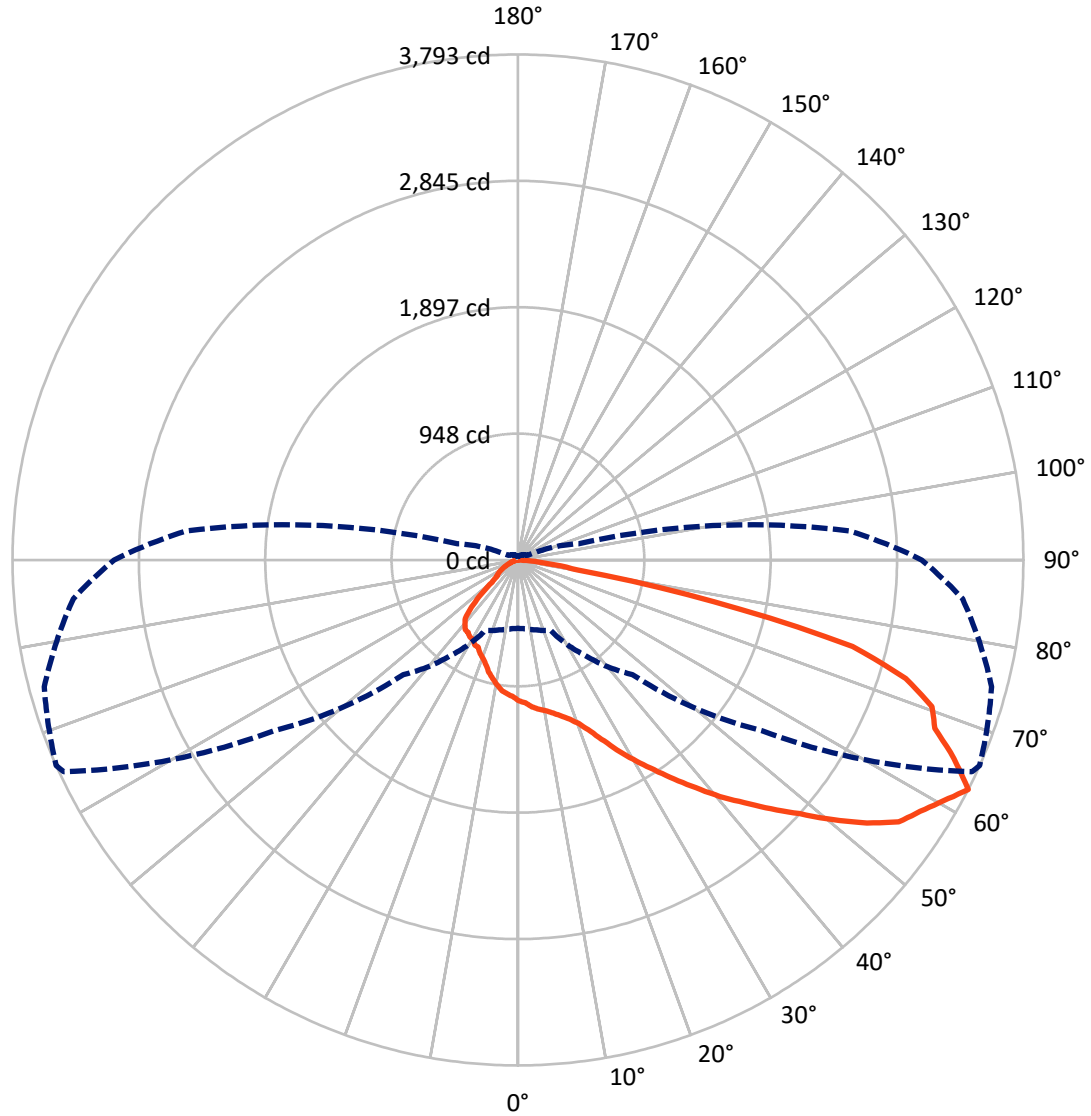
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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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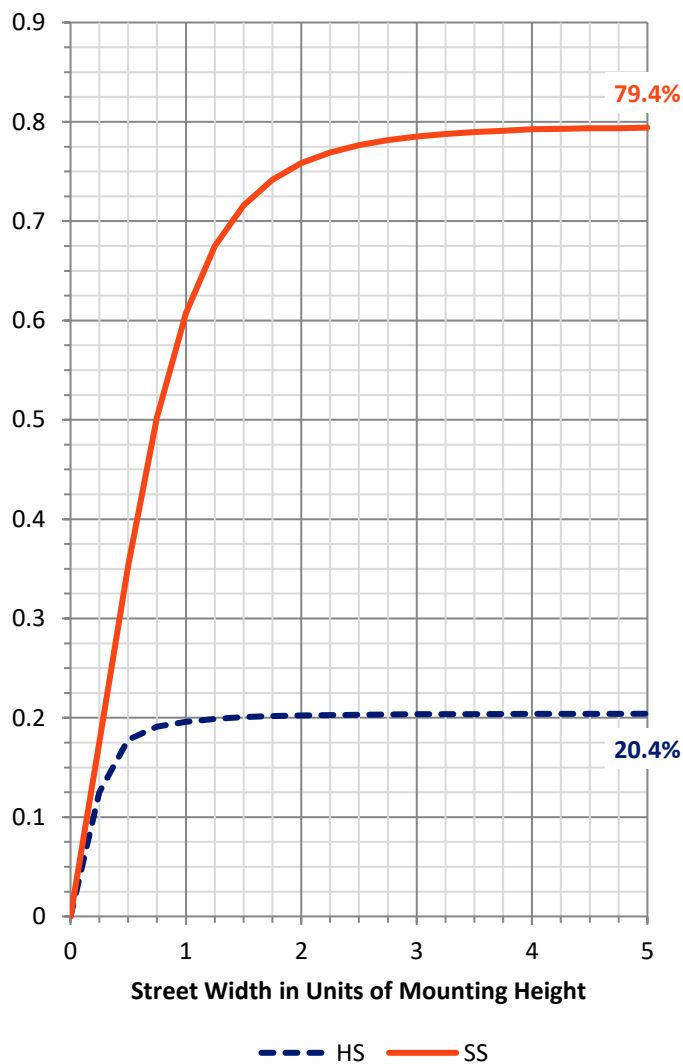
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1085.8	0.0	1085.8
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	4170.2	0.0	4170.2
	% Fixture	79.3	0.0	79.3
Total	Lumens	5256.0	0.0	5256.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.9	1.9
10°-20°	284.5	5.4
20°-30°	466.7	8.9
30°-40°	686.8	13.1
40°-50°	905.8	17.2
50°-60°	1054.4	20.1
60°-70°	1047.8	19.9
70°-80°	648.2	12.3
80°-90°	62.0	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°	5256.0	100.0
0°-180°	5256.0	100.0

Coefficient of Utilization



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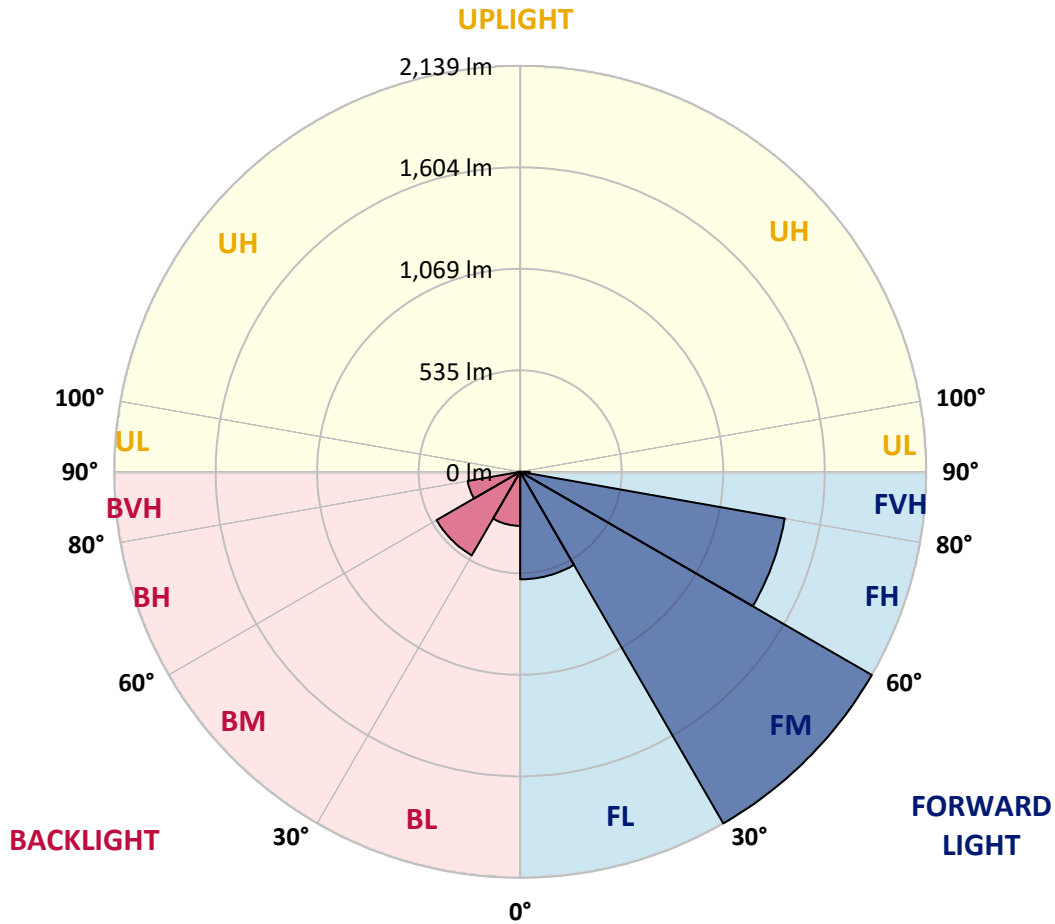
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	566.3	10.8			
FM (30°-60°)	2138.6	40.7			
FH (60°-80°)	1415.2	26.9			G1/1800
FVH (80°-90°)	50.1	1.0			G1/100
BL (0°-30°)	284.7	5.4	B1/500		
BM (30°-60°)	508.4	9.7	B1/1000		
BH (60°-80°)	280.7	5.3	B1/500		G1/500
BVH (80°-90°)	11.9	0.2			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7
2.5°	1117.1	1117.1	1115.1	1101.3	1095.3	1087.4	1081.5	1075.5	1073.5	1067.6	1057.7
5°	1182.5	1180.5	1180.5	1168.6	1156.7	1140.9	1125.0	1109.2	1107.2	1091.4	1069.6
7.5°	1220.1	1220.1	1216.1	1208.2	1200.3	1190.4	1166.6	1133.0	1131.0	1109.2	1079.5
10°	1230.0	1232.0	1239.9	1220.1	1214.2	1204.3	1192.4	1156.7	1150.8	1119.1	1071.6
12.5°	1265.7	1265.7	1263.7	1245.9	1239.9	1232.0	1212.2	1184.5	1178.5	1138.9	1073.5
15°	1309.2	1311.2	1305.3	1289.4	1281.5	1271.6	1245.9	1216.1	1214.2	1162.7	1089.4
17.5°	1331.0	1331.0	1335.0	1313.2	1315.2	1311.2	1299.3	1257.7	1255.8	1208.2	1117.1
20°	1338.9	1340.9	1342.9	1342.9	1344.9	1340.9	1352.8	1317.2	1311.2	1257.7	1154.7
22.5°	1374.6	1378.6	1388.5	1382.5	1392.4	1398.4	1402.3	1404.3	1396.4	1340.9	1218.1
25°	1390.4	1400.4	1414.2	1436.0	1451.8	1463.7	1493.4	1507.3	1505.3	1457.8	1323.1
27.5°	1366.7	1378.6	1426.1	1463.7	1519.2	1550.9	1606.3	1624.2	1630.1	1586.5	1436.0
30°	1398.4	1402.3	1424.1	1471.7	1541.0	1636.1	1711.3	1750.9	1750.9	1717.3	1546.9
32.5°	1348.9	1360.7	1424.1	1511.3	1618.2	1721.2	1792.5	1877.7	1877.7	1861.9	1705.4
35°	1342.9	1348.9	1386.5	1483.5	1620.2	1808.4	1903.4	2004.5	2018.3	2020.3	1861.9
37.5°	1287.5	1299.3	1366.7	1491.5	1679.6	1861.9	1994.6	2151.0	2166.9	2188.7	1992.6
40°	1226.0	1230.0	1289.4	1420.2	1665.8	1931.2	2081.7	2315.4	2333.3	2363.0	2166.9
42.5°	1134.9	1150.8	1249.8	1392.4	1659.8	1953.0	2178.8	2469.9	2489.7	2531.3	2311.5
45°	1053.7	1059.7	1133.0	1291.4	1594.5	1984.7	2254.0	2652.1	2664.0	2689.8	2432.3
47.5°	988.4	992.3	1065.6	1202.3	1533.1	1976.7	2327.3	2816.5	2844.3	2883.9	2574.9
50°	792.3	814.1	996.3	1129.0	1426.1	1962.9	2384.8	3022.5	3064.1	3080.0	2739.3
52.5°	675.4	679.4	774.5	1055.7	1315.2	1903.4	2440.2	3232.5	3280.0	3236.5	2937.4
55°	625.9	629.9	673.4	909.1	1222.1	1788.6	2481.8	3434.5	3468.2	3361.2	3085.9
57.5°	594.2	602.1	621.9	738.8	1111.2	1596.4	2489.7	3545.4	3559.3	3460.3	3161.2
60°	550.6	550.6	590.2	645.7	990.3	1390.4	2424.4	3600.9	3668.2	3573.2	3299.8
62.5°	513.0	517.0	542.7	584.3	871.5	1216.1	2232.2	3759.4	3793.0	3680.1	3349.4
65°	469.4	473.4	497.2	538.7	792.3	1119.1	2129.2	3696.0	3596.9	3652.4	3410.8
67.5°	419.9	421.9	445.7	483.3	665.5	1031.9	1881.7	3454.3	3373.1	3521.7	3240.4
70°	370.4	370.4	390.2	419.9	542.7	905.2	1554.8	3234.5	3295.9	3303.8	3072.1
72.5°	309.0	311.0	330.8	356.5	435.8	756.6	1230.0	3014.6	3042.3	2937.4	2701.7
75°	221.8	229.8	251.5	277.3	344.6	600.2	873.5	2450.1	2594.7	2780.9	2321.4
77.5°	33.7	33.7	41.6	63.4	112.9	301.1	404.1	1352.8	1501.4	2327.3	2028.2
80°	27.7	27.7	29.7	41.6	65.4	168.4	130.7	423.9	455.6	1069.6	1142.9
82.5°	13.9	13.9	21.8	29.7	39.6	49.5	55.5	204.0	235.7	364.4	455.6
85°	7.9	7.9	9.9	13.9	15.8	15.8	17.8	97.1	101.0	198.1	206.0
87.5°	2.0	2.0	4.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0
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°	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7
2.5°	1053.7	1047.8	1035.9	1026.0	1020.1	1008.2	998.3	990.3	986.4	996.3	998.3
5°	1055.7	1041.8	1020.1	1006.2	990.3	970.5	946.8	932.9	927.0	928.9	934.9
7.5°	1059.7	1039.9	1014.1	984.4	942.8	903.2	875.5	859.6	851.7	861.6	861.6
10°	1047.8	1026.0	990.3	944.8	891.3	851.7	820.0	792.3	782.4	786.3	788.3
12.5°	1047.8	1018.1	958.7	903.2	853.7	788.3	740.8	715.0	705.1	707.1	711.1
15°	1053.7	1014.1	930.9	863.6	790.3	721.0	679.4	647.7	637.8	627.9	631.8
17.5°	1073.5	1008.2	917.1	810.1	728.9	663.5	606.1	570.4	562.5	562.5	564.5
20°	1093.3	1016.1	893.3	770.5	673.4	592.2	532.8	507.1	489.2	481.3	489.2
22.5°	1134.9	1043.8	877.4	744.7	616.0	538.7	483.3	425.8	394.2	380.3	384.3
25°	1210.2	1093.3	889.3	699.2	584.3	489.2	412.0	342.7	299.1	285.2	289.2
27.5°	1327.1	1174.6	903.2	695.2	526.9	439.7	334.7	259.5	225.8	211.9	215.9
30°	1441.9	1285.5	948.8	655.6	505.1	360.5	253.5	200.1	166.4	152.5	156.5
32.5°	1541.0	1392.4	1006.2	645.7	447.6	271.4	190.1	148.6	122.8	110.9	112.9
35°	1687.6	1483.5	1055.7	616.0	380.3	204.0	138.6	107.0	93.1	89.1	89.1
37.5°	1818.3	1590.5	1103.2	606.1	285.2	152.5	99.0	87.2	85.2	79.2	79.2
40°	1954.9	1703.4	1125.0	570.4	208.0	107.0	81.2	81.2	79.2	73.3	73.3
42.5°	2115.4	1818.3	1144.8	528.8	148.6	81.2	75.3	77.2	75.3	69.3	67.3
45°	2230.3	1889.6	1150.8	423.9	103.0	77.2	71.3	73.3	71.3	67.3	65.4
47.5°	2335.2	1992.6	1125.0	297.1	83.2	73.3	69.3	69.3	69.3	63.4	61.4
50°	2444.2	2077.7	1103.2	160.4	81.2	71.3	65.4	63.4	65.4	61.4	59.4
52.5°	2588.8	2143.1	1045.8	108.9	79.2	69.3	63.4	59.4	61.4	57.4	59.4
55°	2780.9	2315.4	940.8	103.0	79.2	67.3	61.4	55.5	55.5	53.5	53.5
57.5°	2868.0	2380.8	772.5	99.0	77.2	67.3	57.4	51.5	47.5	45.6	43.6
60°	2975.0	2475.9	596.2	91.1	71.3	63.4	51.5	45.6	39.6	37.6	37.6
62.5°	3030.5	2497.7	471.4	81.2	65.4	55.5	45.6	37.6	31.7	27.7	27.7
65°	3062.2	2485.8	328.8	73.3	57.4	49.5	39.6	31.7	23.8	21.8	19.8
67.5°	2955.2	2414.5	192.1	63.4	49.5	43.6	33.7	25.7	19.8	17.8	15.8
70°	2741.3	2196.6	120.8	55.5	43.6	37.6	29.7	21.8	15.8	13.9	13.9
72.5°	2511.5	1770.7	83.2	43.6	33.7	29.7	21.8	17.8	13.9	9.9	9.9
75°	2260.0	1537.0	61.4	31.7	23.8	21.8	17.8	13.9	11.9	7.9	7.9
77.5°	1602.4	1018.1	49.5	23.8	15.8	13.9	11.9	9.9	7.9	7.9	5.9
80°	946.8	497.2	37.6	15.8	11.9	9.9	7.9	7.9	5.9	5.9	5.9
82.5°	354.5	190.1	25.7	11.9	7.9	7.9	5.9	5.9	4.0	4.0	4.0
85°	128.7	47.5	11.9	5.9	5.9	4.0	4.0	4.0	4.0	4.0	4.0
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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)