

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: P691126

Luminaire Tested: **CRTK2-C013-D-U-T2-7050-U0**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691126  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C013-D-U-T2-7050-U0  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND U0 SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

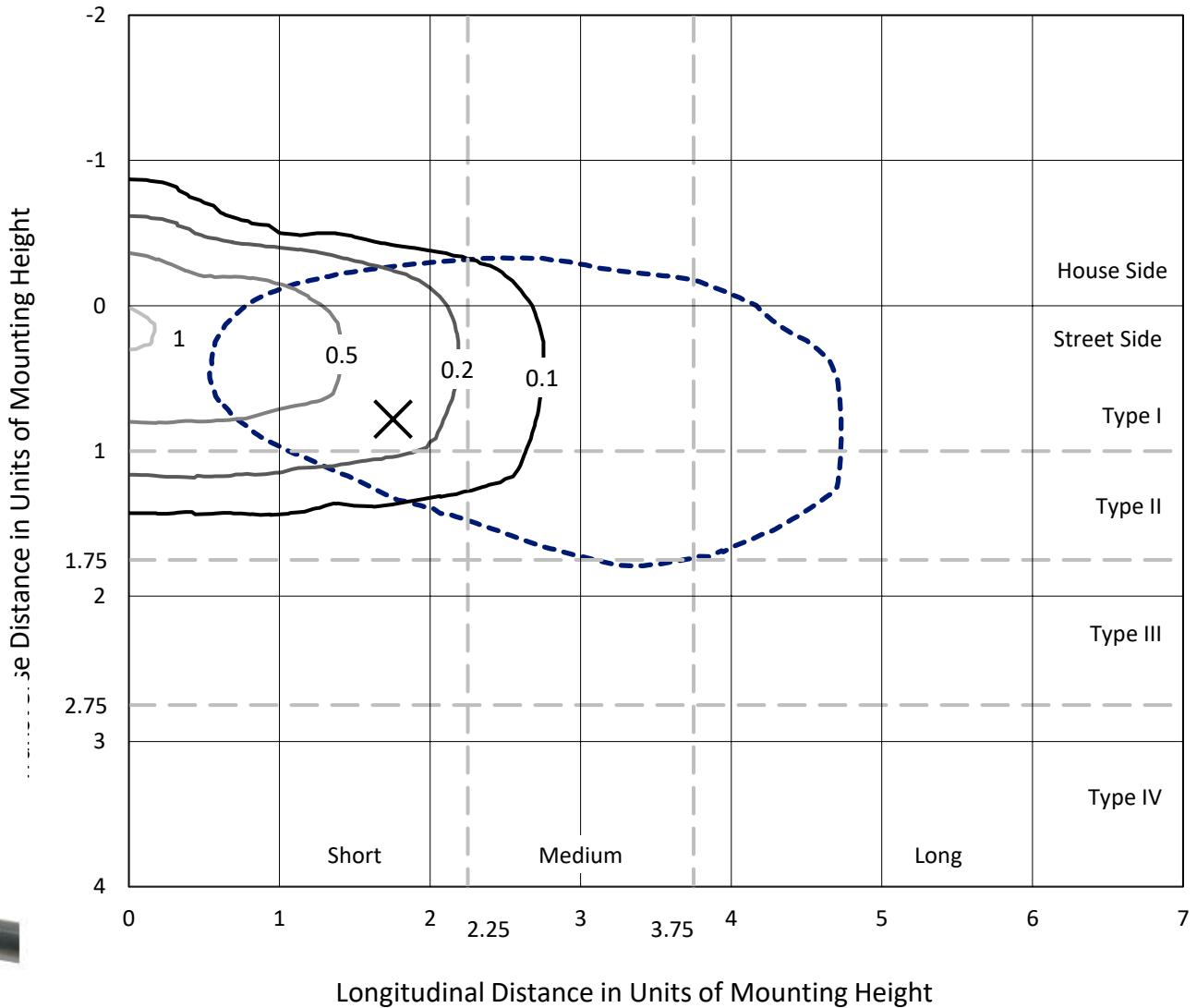
Lumens per Lamp: N/A  
Luminaire Lumens: 2941 lumens  
Efficiency: N/A  
Efficacy: 144.2 lumens/watt  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

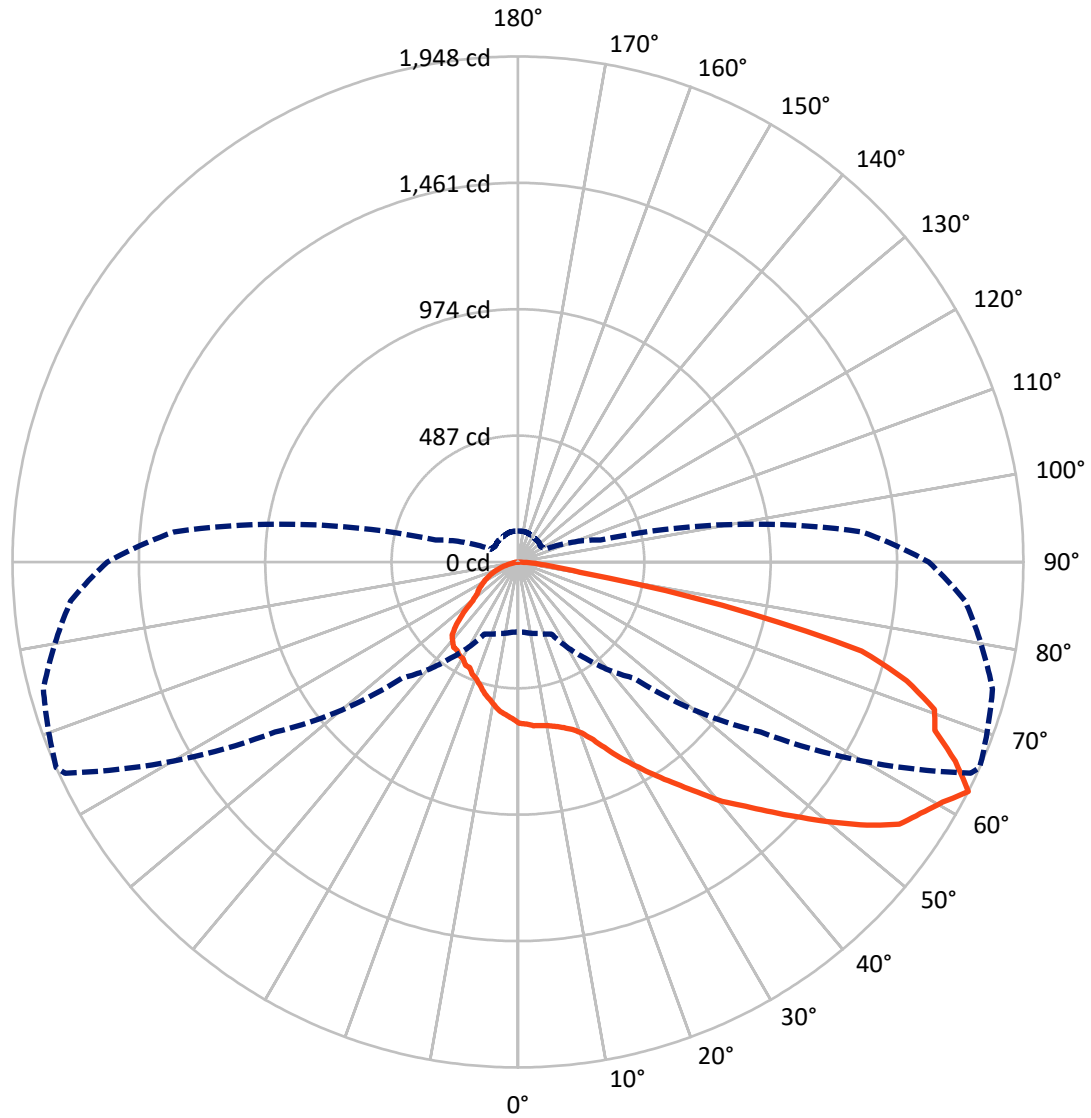
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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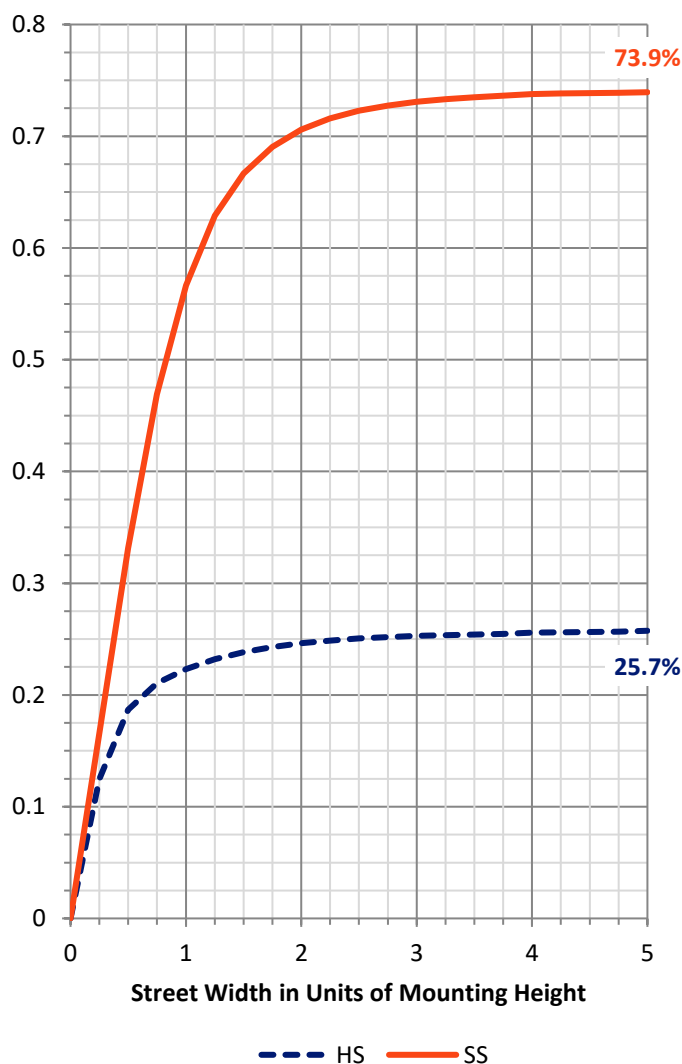
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	768.5	0.0	768.5
	% Fixture	26.1	0.0	26.1
<b>Street Side</b>	Lumens	2172.5	0.0	2172.5
	% Fixture	73.9	0.0	73.9
<b>Total</b>	Lumens	2941.0	0.0	2941.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.2	2.0
10°-20°	165.2	5.6
20°-30°	268.2	9.1
30°-40°	386.8	13.2
40°-50°	503.1	17.1
50°-60°	584.4	19.9
60°-70°	578.2	19.7
70°-80°	358.1	12.2
80°-90°	38.9	1.3
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°	2941.0	100.0
0°-180°	2941.0	100.0

**Coefficient of Utilization**

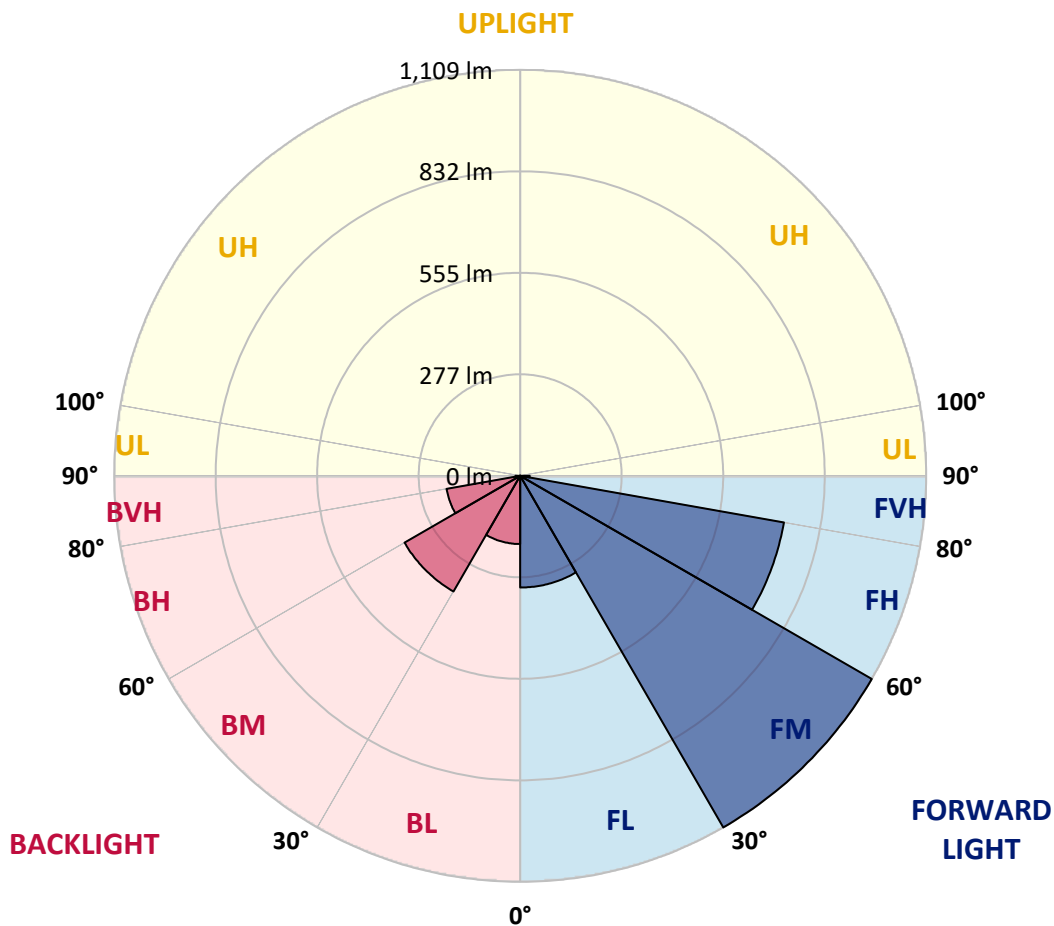


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	305.1	10.4			
FM (30°-60°)	1109.4	37.7			
FH (60°-80°)	731.9	24.9			G1/1800
FVH (80°-90°)	26.1	0.9			G1/100
BL (0°-30°)	186.4	6.3	B1/500		
BM (30°-60°)	364.9	12.4	B1/1000		
BH (60°-80°)	204.4	6.9	B1/500		G1/500
BVH (80°-90°)	12.8	0.4			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°	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1
2.5°	644.3	644.3	646.4	639.3	635.2	632.2	629.2	626.1	625.1	622.1	618.0
5°	672.7	672.7	673.7	666.6	658.5	649.4	640.3	634.2	634.2	627.2	617.0
7.5°	687.8	687.8	687.8	679.8	674.7	668.6	654.5	637.3	636.3	629.2	615.0
10°	687.8	687.8	691.9	679.8	675.7	669.6	661.5	643.3	641.3	625.1	605.9
12.5°	700.0	702.0	700.0	686.8	682.8	677.7	666.6	651.4	650.4	629.2	601.9
15°	717.2	718.2	715.2	706.1	702.0	693.9	680.8	664.6	662.6	637.3	604.9
17.5°	721.2	722.2	724.3	713.1	713.1	710.1	703.0	683.8	678.7	656.5	614.0
20°	719.2	720.2	723.2	721.2	722.2	720.2	725.3	709.1	703.0	678.7	628.2
22.5°	728.3	730.3	736.4	737.4	741.5	745.5	747.5	748.5	744.5	716.2	657.5
25°	731.3	737.4	745.5	756.6	770.8	778.9	790.0	801.1	800.1	771.8	706.1
27.5°	717.2	724.3	749.5	766.7	798.1	820.4	845.6	860.8	860.8	837.5	761.7
30°	730.3	733.4	746.5	770.8	807.2	857.8	897.2	916.4	918.5	903.3	816.3
32.5°	703.0	710.1	742.5	789.0	844.6	900.3	939.7	981.2	983.2	978.2	896.2
35°	700.0	704.0	722.2	771.8	843.6	939.7	992.3	1044.9	1050.0	1056.0	974.1
37.5°	668.6	676.7	712.1	773.8	871.9	966.0	1036.8	1117.7	1125.8	1145.1	1040.9
40°	635.2	641.3	670.6	737.4	862.8	999.4	1080.3	1203.7	1213.8	1230.0	1132.9
42.5°	589.7	601.9	652.4	722.2	858.8	1009.5	1128.9	1282.6	1286.7	1315.0	1205.7
45°	547.2	551.3	589.7	669.6	823.4	1024.7	1165.3	1371.6	1374.7	1392.9	1266.4
47.5°	512.8	517.9	557.4	625.1	791.0	1020.6	1201.7	1457.6	1471.8	1492.0	1340.3
50°	406.6	417.8	522.0	586.7	735.4	1013.6	1231.0	1560.8	1577.0	1596.2	1419.2
52.5°	351.0	356.1	408.7	548.3	680.8	983.2	1258.3	1666.0	1685.2	1675.1	1519.3
55°	326.7	329.8	354.0	472.4	632.2	925.6	1278.6	1764.1	1784.3	1735.8	1598.2
57.5°	309.5	313.6	327.7	386.4	577.6	824.4	1280.6	1821.8	1828.9	1786.4	1630.6
60°	286.3	289.3	309.5	337.9	513.9	718.2	1244.2	1847.1	1880.4	1840.0	1703.4
62.5°	269.1	272.1	285.3	306.5	452.2	633.2	1143.0	1926.0	1948.2	1893.6	1730.7
65°	248.8	248.8	262.0	283.2	412.7	581.6	1090.4	1900.7	1852.1	1878.4	1764.1
67.5°	219.5	221.5	234.7	251.9	345.9	532.1	961.0	1783.3	1732.8	1805.6	1676.1
70°	195.2	193.2	207.4	220.5	283.2	469.4	796.1	1661.9	1703.4	1695.3	1595.2
72.5°	162.9	160.8	173.0	187.1	228.6	389.4	629.2	1542.6	1566.9	1516.3	1415.1
75°	126.4	114.3	131.5	149.7	180.1	308.5	446.1	1277.6	1368.6	1429.3	1206.8
77.5°	20.2	20.2	25.3	35.4	58.7	156.8	199.3	702.0	805.2	1216.9	1058.1
80°	16.2	16.2	18.2	24.3	35.4	86.0	66.8	217.5	242.8	525.0	608.9
82.5°	9.1	9.1	13.1	16.2	22.3	26.3	29.3	106.2	118.3	186.1	235.7
85°	5.1	5.1	7.1	8.1	9.1	9.1	9.1	48.6	54.6	99.1	107.2
87.5°	3.0	3.0	3.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0
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°	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1	622.1
2.5°	616.0	613.0	607.9	603.9	600.9	597.8	592.8	589.7	589.7	594.8	595.8
5°	611.0	603.9	594.8	590.7	585.7	580.6	572.5	568.5	567.5	570.5	572.5
7.5°	606.9	596.8	587.7	577.6	562.4	549.3	542.2	537.1	539.1	544.2	542.2
10°	594.8	585.7	571.5	556.3	538.1	527.0	515.9	509.8	510.8	513.9	510.8
12.5°	589.7	577.6	554.3	536.1	519.9	498.7	484.5	475.4	475.4	480.5	480.5
15°	589.7	571.5	540.2	517.9	492.6	471.4	455.2	447.1	452.2	449.1	447.1
17.5°	594.8	566.5	531.1	493.6	463.3	442.0	422.8	411.7	414.7	416.8	414.7
20°	600.9	566.5	519.9	474.4	439.0	408.7	387.4	375.3	374.3	375.3	377.3
22.5°	621.1	579.6	512.8	462.3	408.7	379.3	358.1	336.8	335.8	334.8	336.8
25°	655.5	603.9	517.9	440.0	391.5	348.0	321.7	303.5	297.4	296.4	298.4
27.5°	712.1	646.4	526.0	437.0	360.1	320.7	288.3	268.1	262.0	264.0	263.0
30°	773.8	701.0	549.3	415.7	341.9	280.2	249.8	232.7	226.6	222.5	223.5
32.5°	819.3	755.6	578.6	408.7	306.5	236.7	214.4	204.3	197.2	192.2	191.2
35°	891.2	802.1	604.9	392.5	275.1	208.4	190.2	179.0	175.0	172.0	172.0
37.5°	959.9	858.8	631.2	387.4	234.7	189.2	166.9	159.8	157.8	155.8	155.8
40°	1028.7	916.4	646.4	367.2	202.3	165.9	144.6	143.6	146.7	144.6	145.7
42.5°	1113.7	976.1	661.5	348.0	179.0	141.6	129.5	137.6	143.6	144.6	144.6
45°	1172.4	1016.6	667.6	301.4	154.8	123.4	126.4	135.5	142.6	145.7	144.6
47.5°	1226.0	1071.2	658.5	244.8	134.5	120.4	125.4	131.5	141.6	145.7	145.7
50°	1278.6	1116.7	650.4	181.1	127.5	121.4	125.4	128.5	139.6	143.6	143.6
52.5°	1352.4	1153.1	623.1	151.7	121.4	122.4	128.5	127.5	136.6	142.6	144.6
55°	1454.6	1238.1	570.5	143.6	120.4	121.4	128.5	128.5	134.5	139.6	142.6
57.5°	1500.1	1274.5	481.5	135.5	117.3	120.4	125.4	126.4	133.5	136.6	135.5
60°	1551.7	1320.1	394.5	126.4	112.3	118.3	120.4	124.4	129.5	129.5	128.5
62.5°	1583.1	1331.2	328.7	116.3	106.2	111.3	111.3	115.3	119.4	119.4	119.4
65°	1598.2	1320.1	245.8	107.2	99.1	103.2	102.2	104.2	107.2	102.2	102.2
67.5°	1538.5	1278.6	169.9	95.1	91.0	95.1	94.1	95.1	94.1	90.0	91.0
70°	1436.4	1162.3	117.3	80.9	79.9	87.0	88.0	86.0	79.9	76.9	76.9
72.5°	1307.9	932.6	80.9	64.7	67.8	76.9	78.9	74.9	68.8	65.7	65.7
75°	1186.5	806.2	57.7	44.5	45.5	58.7	62.7	62.7	60.7	80.9	86.0
77.5°	825.4	522.0	33.4	23.3	22.3	33.4	38.4	39.4	75.9	81.9	79.9
80°	489.6	245.8	24.3	14.2	14.2	19.2	26.3	51.6	87.0	58.7	52.6
82.5°	187.1	94.1	15.2	9.1	8.1	10.1	15.2	79.9	50.6	33.4	30.3
85°	67.8	23.3	7.1	5.1	5.1	6.1	9.1	67.8	35.4	25.3	24.3
87.5°	1.0	1.0	2.0	2.0	2.0	1.0	1.0	2.0	2.0	2.0	1.0
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)