

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: P565273

Luminaire Tested: **IFLD-S-SA6A-AMB-U-T3**

Issue Date: 09/02/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P565273  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/02/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-AMB-U-T3  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ T3 distribution lens  
Light Source: (96) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

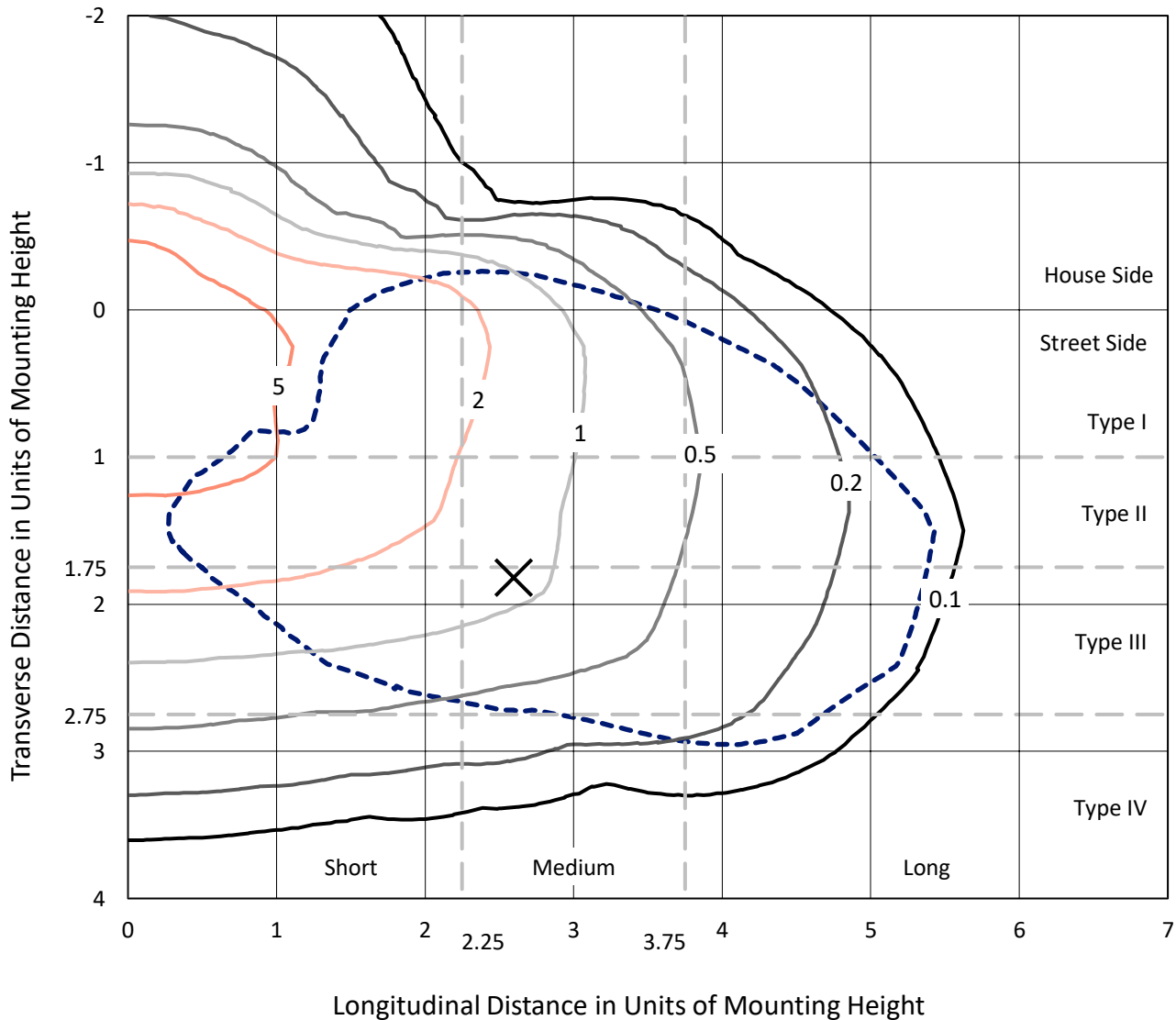
Lumens per Lamp: N/A  
Luminaire Lumens: 6535.2 lumens  
Efficiency: N/A  
Efficacy: 53.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 122.4  
Input Voltage (V): 120  
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

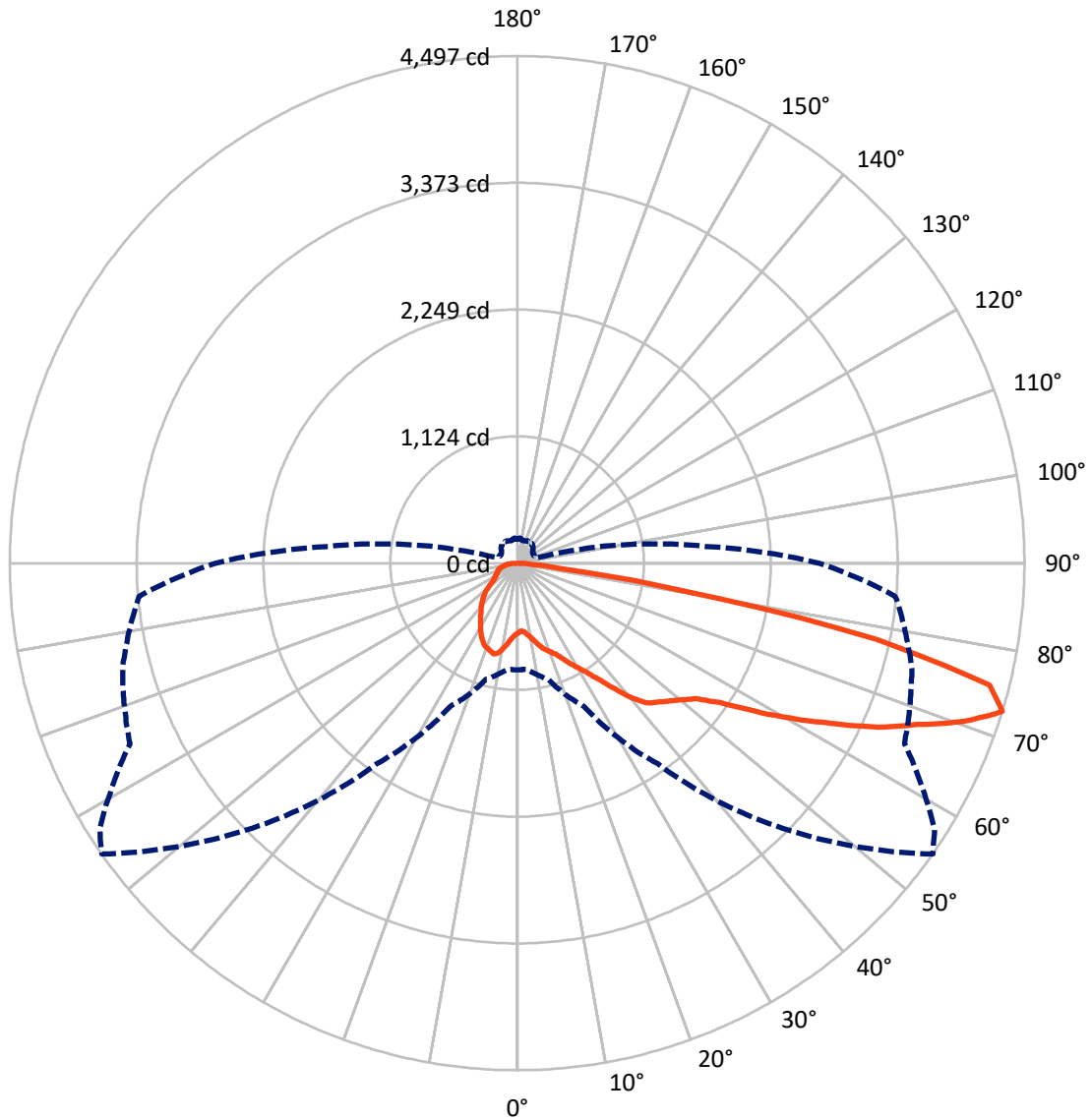
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.3 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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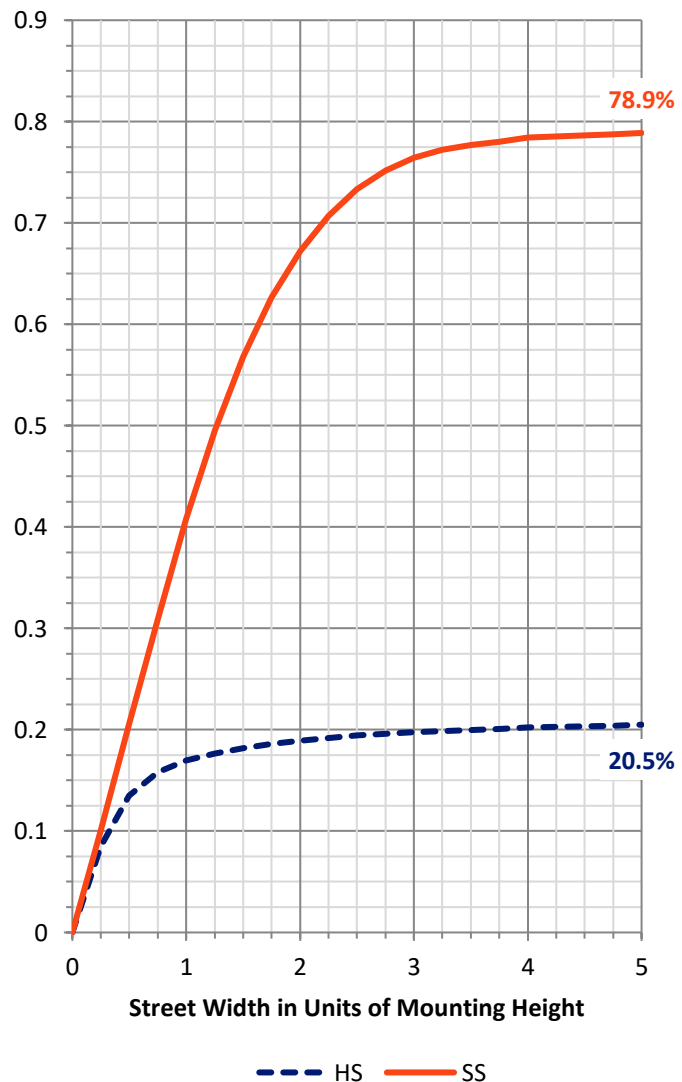
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1364.8	0.0	1364.8
	% Fixture	20.9	0.0	20.9
<b>Street Side</b>	Lumens	5170.4	0.0	5170.4
	% Fixture	79.1	0.0	79.1
<b>Total</b>	Lumens	6535.2	0.0	6535.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.2	1.0
10°-20°	223.5	3.4
20°-30°	400.9	6.1
30°-40°	605.7	9.3
40°-50°	878.0	13.4
50°-60°	1261.9	19.3
60°-70°	1668.0	25.5
70°-80°	1258.7	19.3
80°-90°	174.3	2.7
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°	6535.2	100.0
0°-180°	6535.2	100.0

**Coefficient of Utilization**

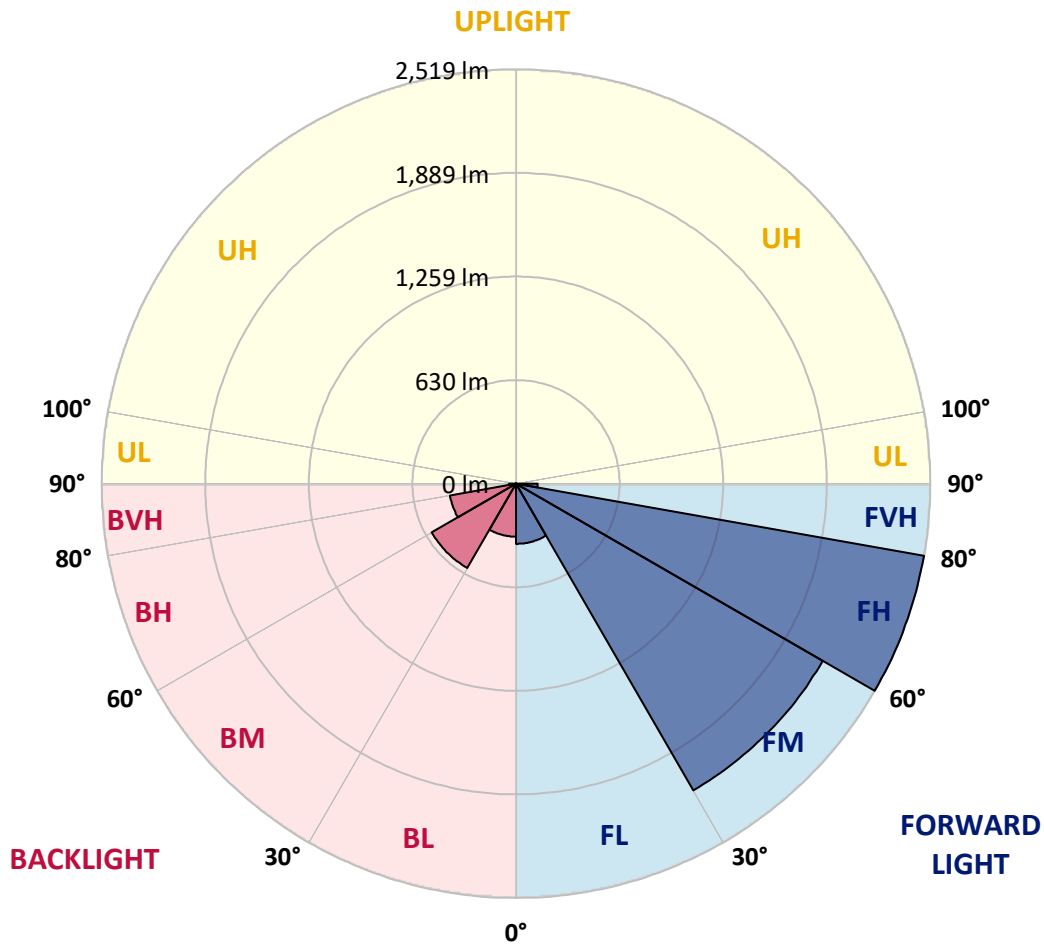


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	366.0	5.6			
FM (30°-60°)	2153.4	33.0			
FH (60°-80°)	2518.9	38.5			G2/5000
FVH (80°-90°)	132.1	2.0			G2/225
BL (0°-30°)	322.6	4.9	B1/500		
BM (30°-60°)	592.1	9.1	B1/1000		
BH (60°-80°)	407.8	6.2	B1/500		G1/500
BVH (80°-90°)	42.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57.5°	65°	75°	85°
0°	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5
2.5°	585.9	595.8	595.8	595.8	599.2	602.5	602.5	605.8	619.1	615.8	625.8
5°	602.5	609.2	605.8	609.2	612.5	605.8	609.2	609.2	622.5	629.1	645.8
7.5°	622.5	632.5	625.8	639.1	635.8	635.8	639.1	635.8	635.8	645.8	672.4
10°	675.7	679.1	675.7	672.4	665.7	669.1	672.4	672.4	679.1	682.4	699.0
12.5°	719.0	725.7	729.0	715.7	709.0	709.0	715.7	715.7	729.0	732.3	742.3
15°	768.9	768.9	768.9	758.9	758.9	745.6	765.6	765.6	772.3	778.9	785.6
17.5°	812.2	805.6	805.6	788.9	788.9	792.2	805.6	805.6	822.2	822.2	832.2
20°	848.8	845.5	845.5	825.5	812.2	822.2	838.8	848.8	878.8	882.1	875.5
22.5°	908.7	912.1	908.7	872.1	858.8	852.2	878.8	885.4	935.4	942.0	922.1
25°	995.3	1001.9	988.6	942.0	918.7	898.8	938.7	945.4	988.6	988.6	975.3
27.5°	1075.2	1088.5	1068.5	1031.9	992.0	968.7	1011.9	1021.9	1071.8	1068.5	1001.9
30°	1191.7	1178.4	1165.1	1158.4	1118.5	1071.8	1081.8	1098.5	1125.1	1131.8	1058.5
32.5°	1361.4	1331.5	1304.9	1274.9	1238.3	1195.0	1168.4	1175.0	1215.0	1171.7	1091.8
35°	1521.2	1491.3	1464.6	1424.7	1361.4	1321.5	1278.2	1284.9	1288.2	1261.6	1128.4
37.5°	1644.4	1627.7	1617.8	1554.5	1507.9	1451.3	1421.4	1421.4	1378.1	1291.5	1191.7
40°	1714.3	1737.6	1740.9	1671.0	1661.0	1577.8	1577.8	1564.5	1474.6	1341.5	1221.6
42.5°	1767.6	1784.2	1810.8	1777.5	1777.5	1740.9	1697.6	1667.7	1531.2	1418.0	1304.9
45°	1860.8	1867.4	1907.4	1917.3	1884.1	1900.7	1757.6	1694.3	1574.5	1527.9	1418.0
47.5°	1963.9	1973.9	2057.2	2077.1	2033.9	2047.2	1824.1	1734.3	1667.7	1667.7	1557.8
50°	2050.5	2057.2	2170.3	2210.3	2230.2	2260.2	1904.0	1814.2	1770.9	1870.7	1727.6
52.5°	2100.4	2097.1	2203.6	2303.5	2410.0	2466.6	1997.2	1954.0	1973.9	2113.7	1950.6
55°	2120.4	2153.7	2266.9	2360.1	2573.1	2603.1	2180.3	2140.4	2236.9	2410.0	2203.6
57.5°	2183.6	2133.7	2293.5	2420.0	2679.6	2766.2	2473.2	2433.3	2499.9	2663.0	2466.6
60°	2130.4	2120.4	2223.6	2456.6	2809.4	2912.6	2792.8	2772.8	2816.1	2899.3	2799.5
62.5°	1987.2	2027.2	2163.7	2413.3	2819.4	3109.0	3125.7	3159.0	3125.7	3225.5	3178.9
65°	1847.4	1870.7	1983.9	2306.8	2796.1	3222.2	3508.5	3521.8	3408.6	3481.8	3568.4
67.5°	1744.3	1754.2	1870.7	2183.6	2729.6	3358.7	3818.0	3788.1	3621.7	3648.3	3718.2
70°	1507.9	1527.9	1614.4	1954.0	2616.4	3508.5	4207.5	4184.2	3748.1	3625.0	3668.3
72.5°	948.7	942.0	1068.5	1401.4	2173.7	3322.1	4497.1	4387.3	3788.1	3621.7	3365.3
75°	412.8	409.4	476.0	635.8	1191.7	2456.6	4324.0	4390.6	3917.9	3638.3	2892.7
77.5°	146.5	146.5	176.4	243.0	429.4	1025.2	3258.8	3555.1	3518.5	3248.8	2097.1
80°	89.9	89.9	116.5	139.8	179.8	279.6	1507.9	1804.2	2263.5	2183.6	1141.8
82.5°	59.9	59.9	86.5	96.5	119.8	126.5	389.5	525.9	878.8	1038.6	462.7
85°	53.3	49.9	59.9	63.2	76.6	66.6	123.2	139.8	282.9	386.1	116.5
87.5°	16.6	16.6	36.6	33.3	36.6	23.3	53.3	63.2	73.2	113.2	33.3
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°	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5	622.5
2.5°	639.1	629.1	642.4	642.4	639.1	649.1	655.8	655.8	652.4	655.8	655.8
5°	649.1	652.4	665.7	669.1	675.7	679.1	685.7	695.7	702.4	699.0	702.4
7.5°	672.4	679.1	695.7	705.7	722.3	729.0	732.3	742.3	749.0	742.3	739.0
10°	715.7	719.0	735.6	758.9	772.3	772.3	775.6	765.6	765.6	768.9	768.9
12.5°	749.0	772.3	792.2	805.6	815.5	802.2	785.6	782.3	765.6	775.6	778.9
15°	788.9	802.2	828.9	848.8	832.2	802.2	795.6	788.9	782.3	785.6	785.6
17.5°	838.8	842.2	875.5	858.8	812.2	802.2	795.6	798.9	792.2	792.2	785.6
20°	868.8	898.8	902.1	855.5	798.9	778.9	778.9	778.9	788.9	782.3	775.6
22.5°	908.7	918.7	918.7	818.9	782.3	762.3	762.3	762.3	755.6	745.6	749.0
25°	952.0	942.0	898.8	792.2	742.3	732.3	709.0	702.4	699.0	702.4	695.7
27.5°	1001.9	978.6	888.8	755.6	705.7	685.7	655.8	632.5	619.1	619.1	615.8
30°	1018.6	1005.3	858.8	715.7	659.1	622.5	575.9	542.6	512.6	509.3	509.3
32.5°	1055.2	1018.6	838.8	695.7	615.8	545.9	489.3	456.0	439.4	442.7	449.4
35°	1085.2	1038.6	835.5	662.4	569.2	486.0	429.4	409.4	396.1	382.8	386.1
37.5°	1135.1	1068.5	822.2	642.4	532.6	439.4	392.8	369.5	346.2	326.2	326.2
40°	1171.7	1111.8	818.9	619.1	499.3	402.8	369.5	342.9	309.6	286.3	286.3
42.5°	1238.3	1151.7	802.2	592.5	462.7	382.8	342.9	312.9	269.6	246.3	246.3
45°	1358.1	1221.6	792.2	549.2	426.1	356.2	316.2	273.0	249.7	226.4	229.7
47.5°	1487.9	1328.2	788.9	519.3	389.5	326.2	273.0	256.3	233.0	216.4	216.4
50°	1634.4	1458.0	782.3	469.4	342.9	289.6	249.7	236.3	219.7	209.7	209.7
52.5°	1827.5	1544.5	775.6	416.1	292.9	256.3	239.7	226.4	216.4	206.4	206.4
55°	2073.8	1727.6	765.6	339.5	256.3	246.3	229.7	219.7	216.4	203.1	206.4
57.5°	2363.4	1897.4	729.0	279.6	236.3	236.3	229.7	226.4	223.0	209.7	209.7
60°	2692.9	2140.4	649.1	239.7	219.7	229.7	229.7	223.0	223.0	216.4	209.7
62.5°	3109.0	2403.3	476.0	219.7	206.4	213.0	223.0	216.4	213.0	219.7	216.4
65°	3395.3	2599.7	332.9	199.7	193.1	203.1	216.4	216.4	213.0	236.3	236.3
67.5°	3332.1	2499.9	249.7	183.1	186.4	196.4	226.4	229.7	216.4	249.7	249.7
70°	3142.3	2220.3	199.7	173.1	179.8	223.0	229.7	219.7	209.7	239.7	233.0
72.5°	2679.6	1684.3	183.1	163.1	166.4	199.7	219.7	216.4	206.4	223.0	209.7
75°	2033.9	1068.5	163.1	146.5	146.5	173.1	213.0	206.4	186.4	186.4	183.1
77.5°	1271.6	535.9	133.1	133.1	129.8	149.8	193.1	189.7	166.4	163.1	159.8
80°	595.8	253.0	109.8	113.2	109.8	126.5	163.1	159.8	143.1	136.5	133.1
82.5°	243.0	126.5	96.5	99.9	89.9	103.2	136.5	133.1	119.8	116.5	103.2
85°	89.9	76.6	76.6	76.6	66.6	69.9	93.2	93.2	76.6	63.2	63.2
87.5°	33.3	39.9	46.6	49.9	30.0	30.0	46.6	49.9	36.6	23.3	23.3
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)