

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: P565281

Luminaire Tested: **IFLD-S-SA6A-AMB-U-T3R**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565281
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-T3R
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ T3R distribution lens
Light Source: (96) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

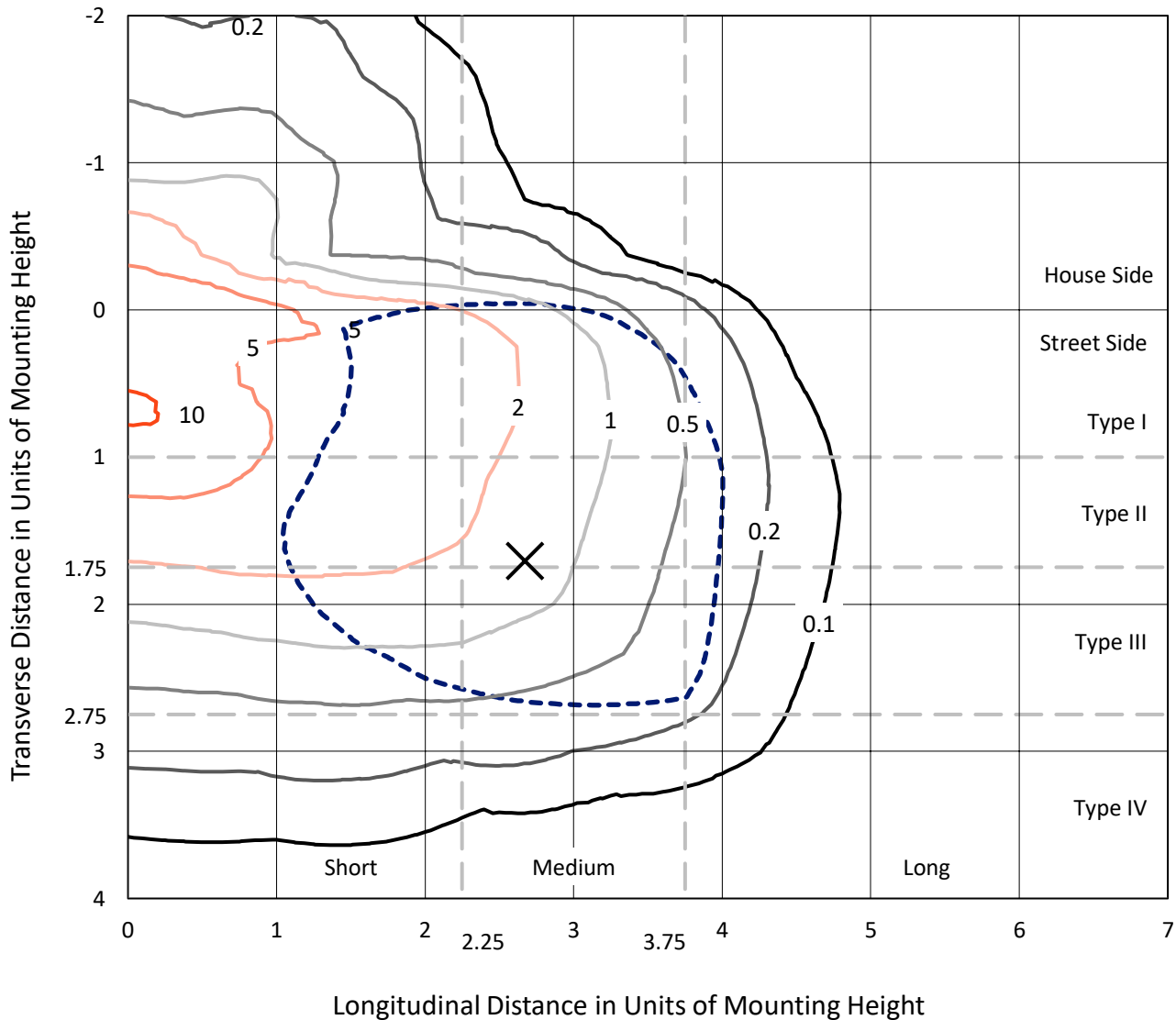
Lumens per Lamp: N/A
Luminaire Lumens: 6302.6 lumens
Efficiency: N/A
Efficacy: 51.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

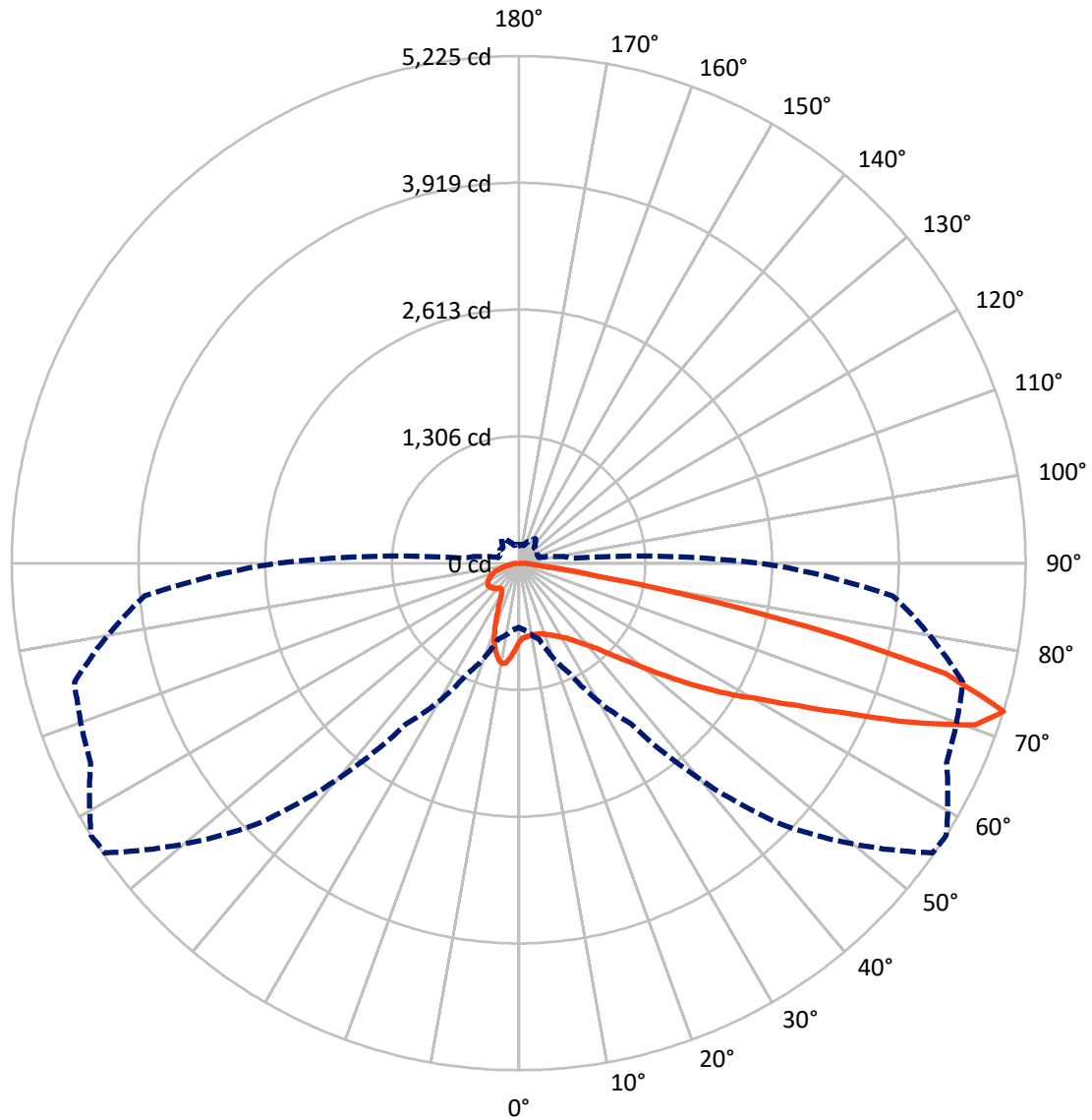
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57.5-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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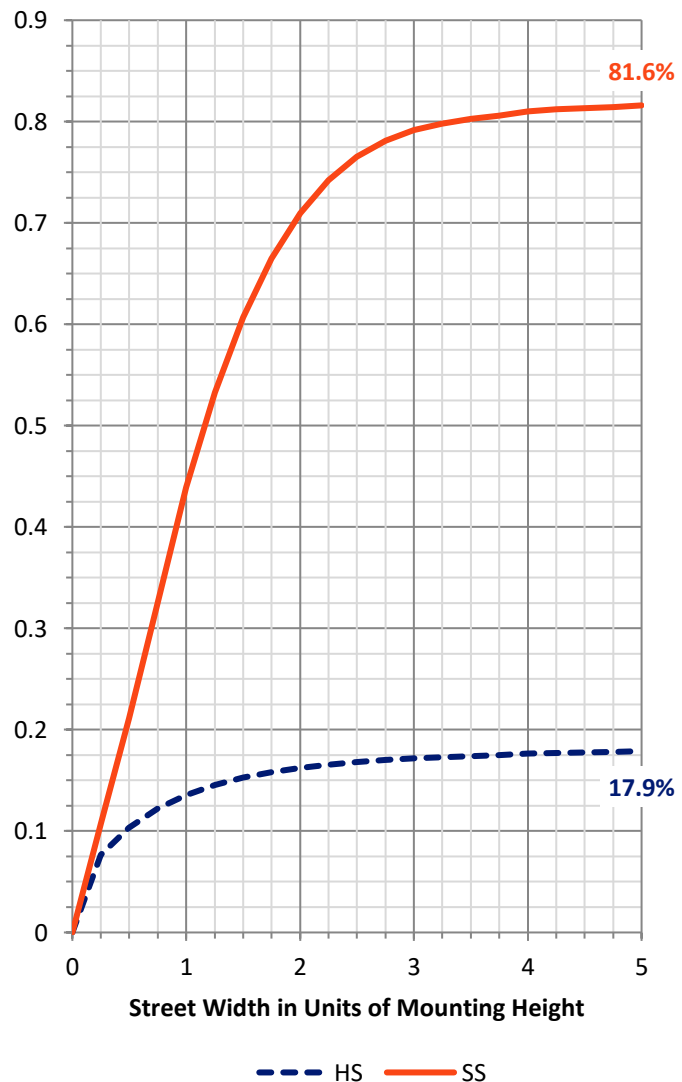
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1140.7	0.0	1140.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	5162.0	0.0	5162.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	6302.6	0.0	6302.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.5	1.3
10°-20°	224.4	3.6
20°-30°	373.9	5.9
30°-40°	583.1	9.3
40°-50°	874.0	13.9
50°-60°	1196.8	19.0
60°-70°	1657.8	26.3
70°-80°	1215.0	19.3
80°-90°	97.1	1.5
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°	6302.6	100.0
0°-180°	6302.6	100.0

Coefficient of Utilization

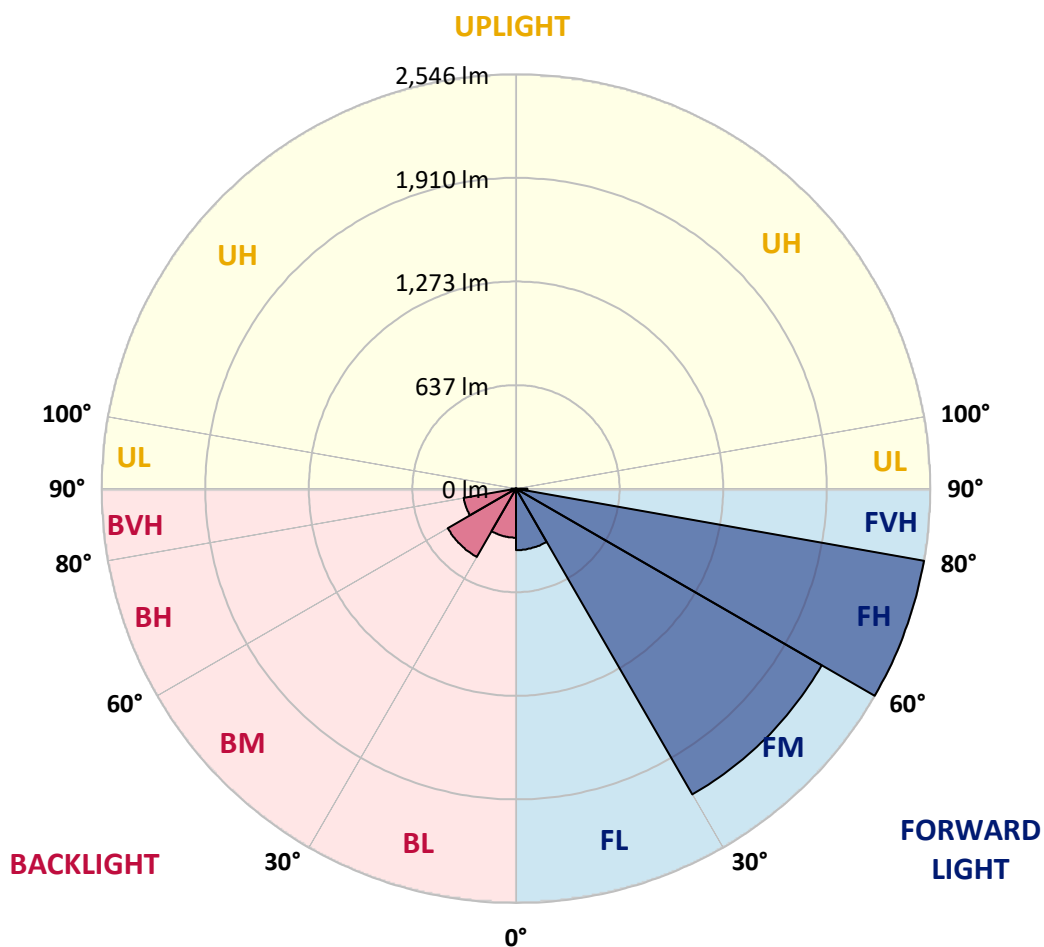


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	377.6	6.0			
FM (30°-60°)	2169.3	34.4			
FH (60°-80°)	2546.0	40.4			G2/5000
FVH (80°-90°)	69.1	1.1			G1/100
BL (0°-30°)	301.3	4.8	B1/500		
BM (30°-60°)	484.6	7.7	B1/1000		
BH (60°-80°)	326.8	5.2	B1/500		G1/500
BVH (80°-90°)	28.0	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-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57.5°	65°	75°	85°
0°	810.3	810.3	810.3	810.3	810.3	810.3	810.3	810.3	810.3	810.3	810.3
2.5°	743.0	746.0	746.0	752.2	758.3	764.4	773.6	773.6	782.7	798.0	813.3
5°	697.1	703.2	706.3	718.5	727.7	743.0	761.3	764.4	776.6	798.0	831.7
7.5°	645.1	648.2	654.3	669.6	691.0	721.6	755.2	758.3	785.8	819.4	862.2
10°	611.5	614.6	614.6	626.8	654.3	697.1	746.0	755.2	791.9	840.8	895.9
12.5°	629.9	629.9	623.7	620.7	636.0	675.7	736.9	752.2	801.1	865.3	932.6
15°	675.7	669.6	660.4	642.1	642.1	669.6	739.9	758.3	822.5	892.8	969.2
17.5°	752.2	746.0	727.7	694.1	666.5	678.8	746.0	764.4	840.8	920.3	1009.0
20°	895.9	883.6	846.9	779.7	721.6	703.2	761.3	782.7	859.2	938.7	1030.4
22.5°	1048.7	1033.5	990.6	908.1	813.3	749.1	776.6	801.1	874.5	950.9	1045.7
25°	1216.9	1201.6	1155.8	1054.9	926.4	810.3	807.2	825.5	895.9	963.1	1064.0
27.5°	1421.8	1403.4	1351.4	1220.0	1048.7	895.9	840.8	853.1	920.3	981.5	1091.5
30°	1602.2	1586.9	1531.8	1388.1	1183.3	981.5	880.6	886.7	947.8	1012.1	1128.2
32.5°	1773.4	1764.2	1696.9	1556.3	1339.2	1076.3	929.5	923.4	984.5	1036.5	1155.8
35°	1935.4	1935.4	1868.2	1721.4	1501.3	1186.3	990.6	978.4	1015.1	1048.7	1180.2
37.5°	2060.8	2066.9	2027.2	1898.7	1663.3	1320.9	1076.3	1042.6	1042.6	1079.3	1238.3
40°	2088.3	2103.6	2143.3	2097.5	1852.9	1470.7	1161.9	1116.0	1097.7	1143.5	1327.0
42.5°	2070.0	2106.7	2235.1	2287.1	2079.1	1632.7	1268.9	1213.8	1183.3	1223.0	1452.3
45°	2103.6	2140.3	2293.2	2421.6	2290.1	1819.2	1403.4	1345.3	1287.2	1339.2	1608.3
47.5°	2118.9	2149.5	2287.1	2491.9	2443.0	2014.9	1571.6	1507.4	1434.0	1486.0	1785.6
50°	2125.0	2155.6	2299.3	2473.6	2501.1	2183.1	1767.3	1709.2	1626.6	1672.5	2014.9
52.5°	2112.8	2146.4	2293.2	2430.8	2452.2	2290.1	2005.8	1950.7	1868.2	1920.1	2265.6
55°	1715.3	1761.2	2207.6	2369.6	2409.4	2348.2	2274.8	2238.1	2180.0	2250.4	2562.2
57.5°	1596.0	1626.6	1877.3	2323.7	2436.9	2430.8	2540.8	2537.8	2507.2	2623.4	2883.3
60°	1541.0	1571.6	1785.6	2284.0	2537.8	2641.7	2828.2	2837.4	2852.7	3072.8	3271.6
62.5°	1440.1	1470.7	1715.3	2222.8	2684.5	2987.2	3222.7	3234.9	3271.6	3559.0	3693.5
65°	1275.0	1308.6	1571.6	2125.0	2846.6	3396.9	3748.6	3727.2	3763.9	4075.7	4066.5
67.5°	1137.4	1168.0	1388.1	1969.1	2880.2	3864.8	4360.1	4381.5	4262.2	4552.7	4390.6
70°	929.5	957.0	1140.5	1709.2	2663.1	4176.6	5011.3	4993.0	4745.3	4892.1	4457.9
72.5°	663.5	691.0	810.3	1262.8	2021.0	3797.5	5207.0	5225.4	4867.6	4739.2	3870.9
75°	464.7	495.3	565.6	819.4	1116.0	2663.1	4528.2	4543.5	4054.3	3666.0	2495.0
77.5°	269.1	284.4	348.6	498.4	507.6	1192.4	2764.0	2733.5	2332.9	1825.4	926.4
80°	134.5	165.1	220.1	250.7	235.4	385.3	856.1	868.3	749.1	636.0	272.1
82.5°	76.4	82.6	155.9	140.6	113.1	152.9	232.4	235.4	281.3	266.0	128.4
85°	48.9	61.2	107.0	82.6	52.0	64.2	122.3	128.4	149.8	131.5	58.1
87.5°	15.3	21.4	52.0	39.7	18.3	21.4	48.9	48.9	58.1	58.1	15.3
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°	810.3	810.3	810.3	810.3	810.3	810.3	810.3	810.3	810.3	810.3	810.3
2.5°	828.6	840.8	856.1	868.3	889.7	898.9	905.0	917.3	917.3	917.3	911.2
5°	853.1	874.5	911.2	947.8	966.2	981.5	984.5	981.5	969.2	966.2	963.1
7.5°	889.7	923.4	987.6	1027.3	1036.5	1012.1	972.3	938.7	914.2	898.9	905.0
10°	935.6	981.5	1061.0	1088.5	1036.5	960.1	892.8	850.0	822.5	795.0	801.1
12.5°	981.5	1045.7	1131.3	1094.6	981.5	880.6	801.1	752.2	715.5	697.1	703.2
15°	1033.5	1113.0	1174.1	1051.8	902.0	785.8	700.2	623.7	584.0	568.7	574.8
17.5°	1085.4	1174.1	1189.4	984.5	813.3	672.7	559.5	519.8	510.6	510.6	510.6
20°	1122.1	1213.8	1152.7	902.0	691.0	525.9	470.9	464.7	483.1	498.4	498.4
22.5°	1155.8	1238.3	1085.4	804.1	544.2	431.1	421.9	446.4	467.8	486.2	489.2
25°	1180.2	1253.6	1015.1	687.9	434.2	379.1	397.5	425.0	449.5	467.8	470.9
27.5°	1216.9	1259.7	938.7	538.1	357.7	354.7	373.0	397.5	418.9	437.2	440.3
30°	1259.7	1268.9	865.3	428.1	330.2	333.3	345.5	363.8	385.3	400.5	403.6
32.5°	1287.2	1253.6	758.3	351.6	321.0	321.0	324.1	336.3	351.6	360.8	363.8
35°	1323.9	1241.4	629.9	318.0	321.0	321.0	318.0	318.0	302.7	308.8	308.8
37.5°	1375.9	1220.0	498.4	305.8	330.2	333.3	327.2	287.4	275.2	269.1	269.1
40°	1446.2	1204.7	397.5	302.7	345.5	354.7	314.9	278.2	256.8	238.5	238.5
42.5°	1528.8	1186.3	327.2	305.8	363.8	379.1	314.9	269.1	238.5	232.4	235.4
45°	1602.2	1155.8	287.4	305.8	382.2	397.5	327.2	256.8	238.5	235.4	244.6
47.5°	1666.4	1106.8	278.2	308.8	394.4	400.5	330.2	262.9	235.4	256.8	281.3
50°	1752.0	1030.4	269.1	311.9	403.6	406.7	336.3	262.9	235.4	284.4	318.0
52.5°	1852.9	935.6	262.9	305.8	418.9	409.7	345.5	269.1	241.5	272.1	287.4
55°	1987.4	831.7	256.8	299.6	418.9	394.4	351.6	287.4	238.5	244.6	253.8
57.5°	2146.4	773.6	247.7	287.4	409.7	363.8	360.8	293.5	226.3	244.6	247.7
60°	2360.4	776.6	241.5	278.2	394.4	342.4	360.8	293.5	220.1	229.3	232.4
62.5°	2632.6	828.6	253.8	278.2	366.9	327.2	357.7	299.6	220.1	235.4	244.6
65°	2880.2	886.7	275.2	275.2	339.4	302.7	354.7	293.5	214.0	226.3	226.3
67.5°	3033.1	905.0	278.2	266.0	318.0	275.2	342.4	284.4	211.0	226.3	223.2
70°	3002.5	834.7	259.9	241.5	281.3	253.8	324.1	269.1	201.8	223.2	207.9
72.5°	2495.0	577.9	220.1	207.9	235.4	226.3	305.8	250.7	189.6	192.6	174.3
75°	1525.7	321.0	171.2	168.2	180.4	189.6	278.2	229.3	168.2	152.9	143.7
77.5°	501.4	165.1	131.5	128.4	128.4	146.8	235.4	198.7	146.8	119.2	116.2
80°	171.2	110.1	97.8	94.8	88.7	100.9	174.3	159.0	122.3	91.7	88.7
82.5°	107.0	73.4	70.3	70.3	61.2	61.2	100.9	113.1	94.8	79.5	55.0
85°	58.1	45.9	48.9	45.9	39.7	36.7	55.0	76.4	58.1	36.7	33.6
87.5°	18.3	18.3	18.3	18.3	15.3	12.2	9.2	21.4	24.5	15.3	12.2
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)