

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: P565257

Luminaire Tested: **IFLD-S-SA6A-AMB-U-T2**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565257
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-T2
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ T2 distribution lens
Light Source: (96) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

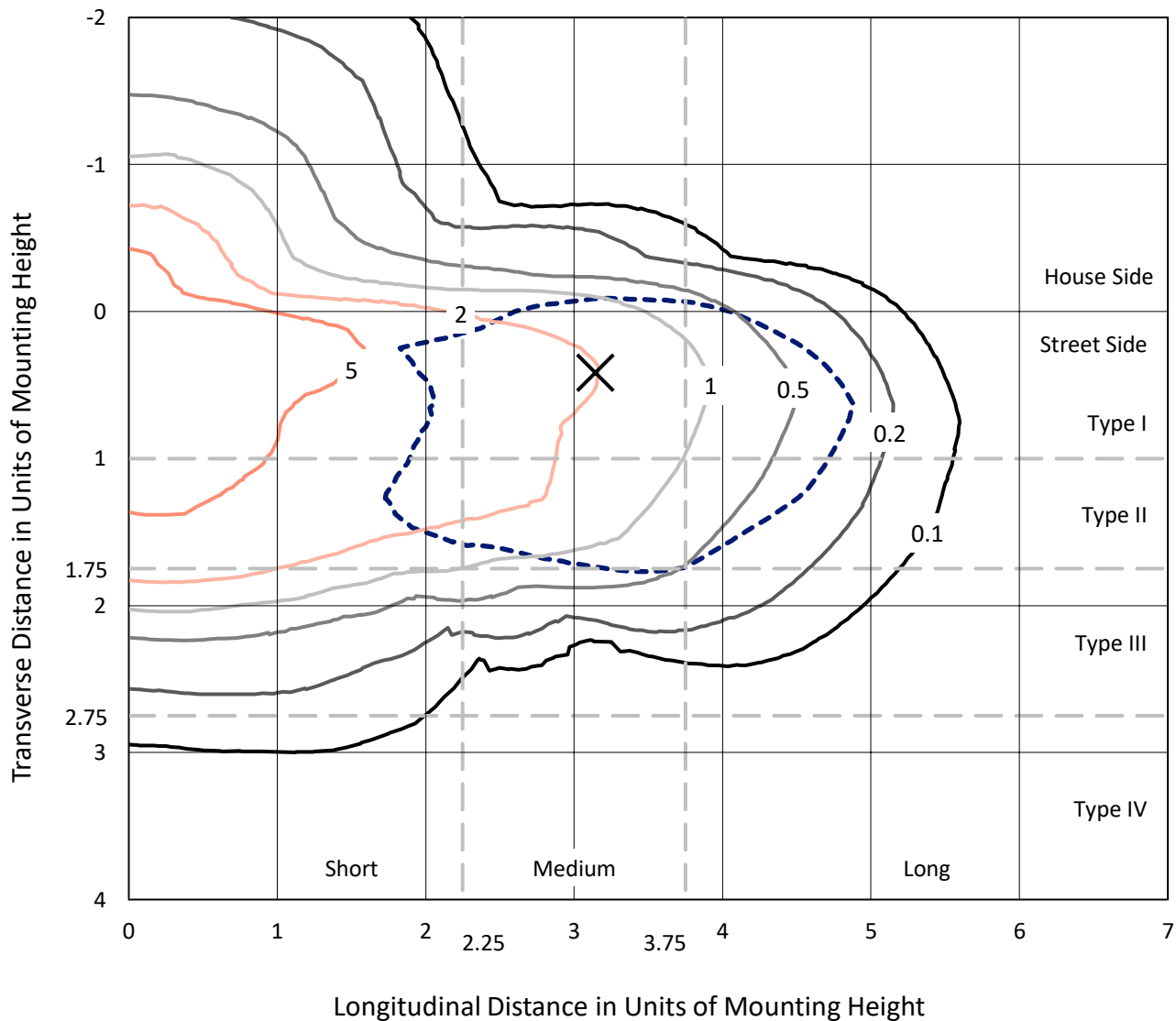
Lumens per Lamp: N/A
Luminaire Lumens: 6406.7 lumens
Efficiency: N/A
Efficacy: 52.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

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

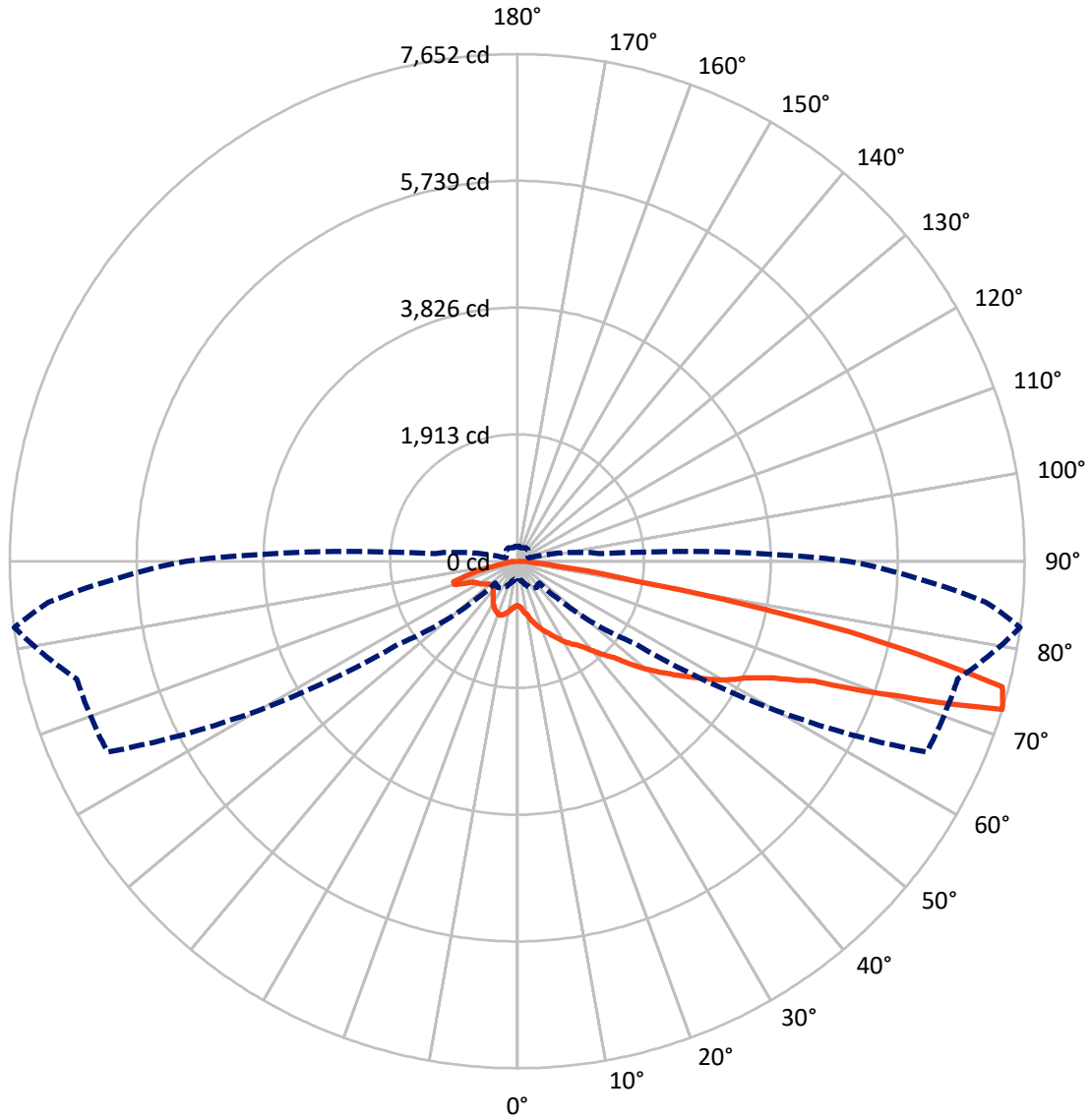
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82.5-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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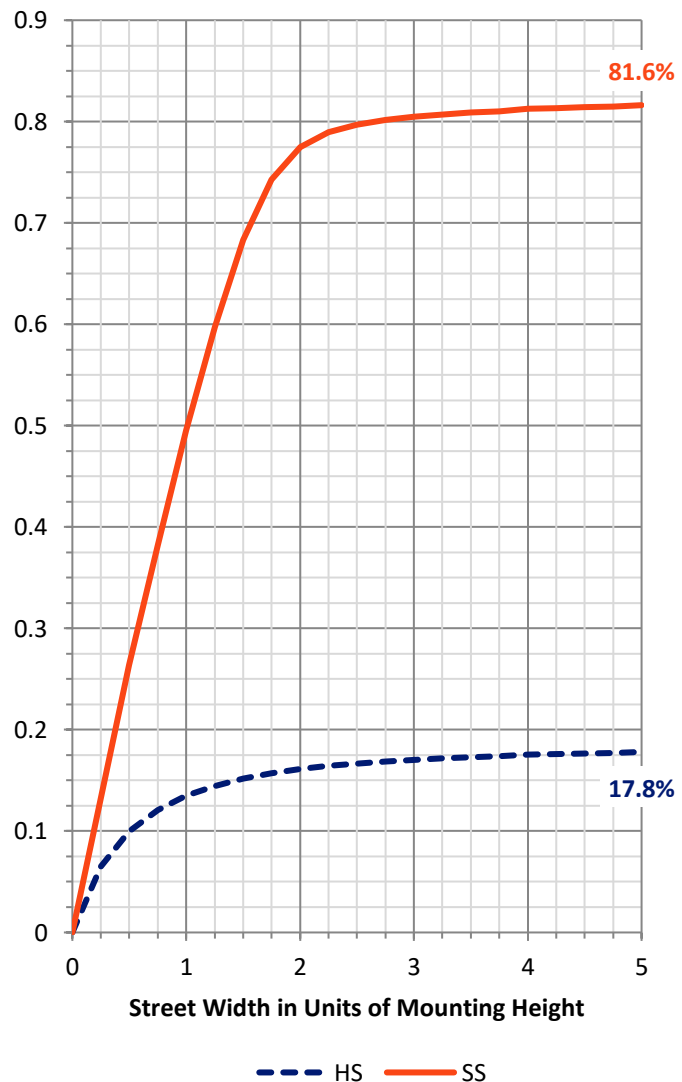
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1161.6	0.0	1161.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	5245.1	0.0	5245.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	6406.7	0.0	6406.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.2	1.1
10°-20°	225.5	3.5
20°-30°	384.7	6.0
30°-40°	574.3	9.0
40°-50°	897.2	14.0
50°-60°	1321.6	20.6
60°-70°	1540.5	24.0
70°-80°	1252.6	19.6
80°-90°	141.2	2.2
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°	6406.7	100.0
0°-180°	6406.7	100.0

Coefficient of Utilization

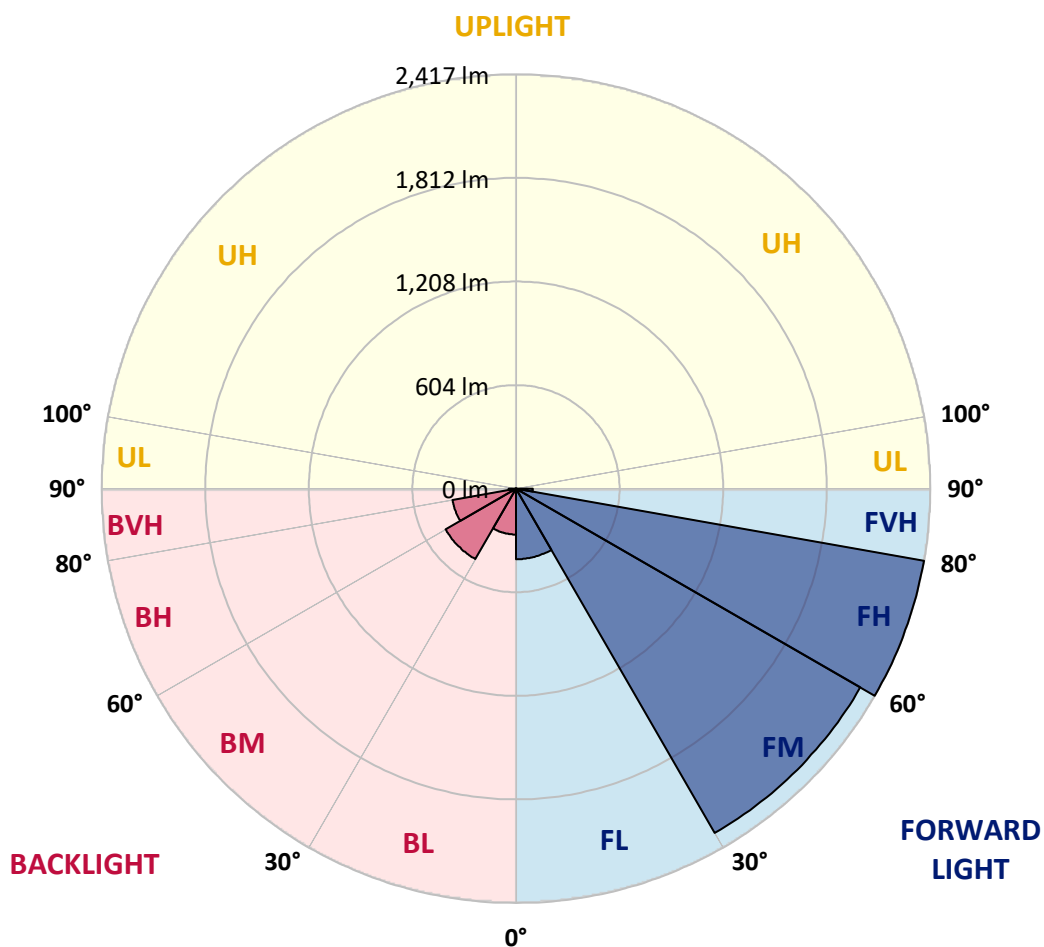


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	411.7	6.4			
FM (30°-60°)	2318.8	36.2			
FH (60°-80°)	2416.7	37.7			G2/5000
FVH (80°-90°)	98.0	1.5			G1/100
BL (0°-30°)	267.6	4.2	B1/500		
BM (30°-60°)	474.3	7.4	B1/1000		
BH (60°-80°)	376.4	5.9	B1/500		G1/500
BVH (80°-90°)	43.2	0.7			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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
0°	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1
2.5°	721.2	727.5	724.3	721.2	721.2	714.8	708.4	705.2	698.8	686.1	689.2
5°	759.4	765.8	772.2	765.8	769.0	769.0	765.8	743.5	730.7	718.0	718.0
7.5°	762.6	769.0	775.4	791.4	800.9	807.3	813.7	804.1	778.6	775.4	765.8
10°	788.2	788.2	791.4	807.3	829.6	845.6	874.3	874.3	842.4	820.1	826.5
12.5°	804.1	797.7	813.7	829.6	855.2	887.1	922.2	925.4	915.8	903.0	893.5
15°	772.2	775.4	794.5	826.5	893.5	925.4	973.2	1002.0	1005.2	970.1	950.9
17.5°	753.1	759.4	781.8	810.5	874.3	947.7	1024.3	1084.9	1091.3	1040.3	1033.9
20°	772.2	772.2	775.4	813.7	874.3	957.3	1062.6	1129.6	1177.5	1110.5	1094.5
22.5°	813.7	810.5	820.1	829.6	871.1	960.5	1094.5	1183.8	1228.5	1174.3	1139.2
25°	880.7	893.5	887.1	890.3	915.8	970.1	1110.5	1244.5	1311.5	1247.7	1203.0
27.5°	960.5	966.9	979.6	976.4	979.6	1024.3	1151.9	1308.3	1420.0	1324.2	1263.6
30°	1037.1	1059.4	1065.8	1075.4	1072.2	1081.7	1177.5	1365.7	1499.7	1407.2	1321.1
32.5°	1120.0	1123.2	1167.9	1151.9	1155.1	1164.7	1234.9	1400.8	1569.9	1487.0	1397.6
35°	1276.4	1282.8	1286.0	1266.8	1266.8	1244.5	1311.5	1442.3	1662.5	1550.8	1477.4
37.5°	1474.2	1515.7	1490.2	1394.4	1359.3	1340.2	1353.0	1493.4	1777.4	1656.1	1554.0
40°	1681.6	1684.8	1668.9	1582.7	1493.4	1467.8	1455.1	1569.9	1885.9	1786.9	1684.8
42.5°	1834.8	1847.6	1857.1	1771.0	1662.5	1621.0	1585.9	1672.1	2055.0	1933.7	1815.7
45°	1936.9	1975.2	1975.2	1946.5	1850.8	1841.2	1732.7	1793.3	2195.4	2090.1	1972.0
47.5°	2055.0	2118.8	2096.5	2064.5	1988.0	2013.5	1857.1	1917.8	2370.9	2335.8	2166.7
50°	2166.7	2211.3	2233.7	2189.0	2137.9	2233.7	1988.0	2055.0	2597.4	2571.9	2326.2
52.5°	2351.7	2399.6	2412.4	2339.0	2284.7	2406.0	2109.2	2214.5	2792.1	2808.0	2527.2
55°	2498.5	2556.0	2648.5	2584.7	2571.9	2437.9	2198.6	2418.7	2989.9	3066.5	2792.1
57.5°	2450.7	2540.0	2702.7	2792.1	2929.3	2680.4	2297.5	2683.6	3165.4	3350.5	3041.0
60°	2144.3	2224.1	2428.3	2741.0	3031.4	3063.3	2543.2	2871.9	3356.9	3640.9	3267.5
62.5°	1474.2	1585.9	1885.9	2367.7	2891.0	3273.9	3155.9	3152.7	3532.4	3870.6	3551.5
65°	791.4	867.9	1043.4	1439.1	2246.4	3213.3	3848.3	3714.3	3723.8	4247.2	3873.8
67.5°	475.5	504.2	615.9	813.7	1190.2	2418.7	4272.7	5217.2	4196.1	4831.1	4400.3
70°	347.8	357.4	446.7	571.2	641.4	1091.3	3905.7	6547.8	5405.5	6082.0	5737.3
72.5°	252.1	261.7	322.3	430.8	491.4	469.1	2176.2	6815.9	6876.5	7651.9	7099.9
75°	197.8	201.0	229.7	328.7	389.3	328.7	676.5	5194.9	6863.7	7559.4	6949.9
77.5°	159.5	159.5	178.7	242.5	303.1	255.3	303.1	2610.2	4342.9	5150.2	4553.5
80°	127.6	130.8	140.4	159.5	217.0	185.1	223.4	826.5	1726.3	1828.4	1487.0
82.5°	102.1	102.1	108.5	114.9	159.5	124.4	150.0	363.8	651.0	552.0	434.0
85°	51.1	51.1	102.1	92.5	98.9	79.8	79.8	239.3	344.6	226.6	178.7
87.5°	12.8	12.8	25.5	38.3	47.9	35.1	31.9	92.5	156.4	89.3	60.6
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°	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1	670.1
2.5°	689.2	679.7	673.3	670.1	663.7	657.3	651.0	647.8	651.0	647.8	638.2
5°	714.8	705.2	698.8	686.1	670.1	663.7	663.7	660.5	654.1	651.0	647.8
7.5°	749.9	737.1	714.8	692.4	682.9	663.7	654.1	651.0	651.0	641.4	641.4
10°	800.9	778.6	737.1	698.8	673.3	647.8	641.4	638.2	641.4	631.8	644.6
12.5°	861.6	823.3	746.7	679.7	647.8	638.2	644.6	651.0	660.5	657.3	660.5
15°	912.6	864.7	733.9	647.8	631.8	641.4	654.1	663.7	676.5	676.5	670.1
17.5°	973.2	903.0	708.4	622.2	615.9	631.8	654.1	666.9	673.3	679.7	686.1
20°	1024.3	912.6	670.1	590.3	603.1	615.9	635.0	660.5	673.3	682.9	686.1
22.5°	1059.4	890.3	619.0	558.4	571.2	571.2	596.7	631.8	660.5	676.5	670.1
25°	1088.1	887.1	568.0	532.9	536.1	529.7	555.2	590.3	612.7	631.8	628.6
27.5°	1132.8	839.2	532.9	501.0	485.0	491.4	516.9	536.1	542.5	552.0	561.6
30°	1148.7	816.9	497.8	456.3	446.7	449.9	462.7	469.1	465.9	459.5	472.3
32.5°	1177.5	753.1	462.7	421.2	414.8	418.0	418.0	414.8	411.6	402.1	408.4
35°	1206.2	708.4	440.4	398.9	395.7	398.9	392.5	386.1	376.5	367.0	370.2
37.5°	1228.5	660.5	418.0	382.9	389.3	382.9	376.5	370.2	376.5	360.6	360.6
40°	1257.2	628.6	395.7	373.3	382.9	379.7	363.8	360.6	408.4	414.8	418.0
42.5°	1286.0	590.3	370.2	376.5	376.5	370.2	354.2	347.8	402.1	370.2	370.2
45°	1346.6	583.9	360.6	370.2	373.3	363.8	357.4	351.0	360.6	319.1	319.1
47.5°	1432.7	580.8	363.8	360.6	363.8	367.0	360.6	338.2	328.7	290.4	287.2
50°	1534.8	596.7	367.0	347.8	360.6	363.8	341.4	319.1	306.3	287.2	284.0
52.5°	1672.1	619.0	376.5	335.1	351.0	351.0	331.9	312.7	293.6	280.8	277.6
55°	1834.8	663.7	373.3	312.7	328.7	344.6	328.7	296.8	290.4	284.0	284.0
57.5°	2023.1	721.2	370.2	293.6	309.5	335.1	319.1	293.6	280.8	280.8	280.8
60°	2201.8	769.0	354.2	264.8	290.4	328.7	312.7	290.4	274.4	274.4	271.2
62.5°	2380.5	820.1	322.3	245.7	268.0	309.5	303.1	277.6	261.7	271.2	268.0
65°	2642.1	880.7	277.6	223.4	248.9	293.6	290.4	264.8	248.9	271.2	271.2
67.5°	3168.6	1056.2	236.1	210.6	229.7	274.4	274.4	252.1	239.3	271.2	264.8
70°	4192.9	1273.2	210.6	197.8	213.8	252.1	258.5	239.3	226.6	258.5	245.7
72.5°	5006.6	1286.0	185.1	178.7	194.6	232.9	239.3	226.6	210.6	226.6	217.0
75°	4569.4	934.9	162.7	159.5	169.1	207.4	220.2	210.6	188.3	194.6	188.3
77.5°	2785.7	555.2	140.4	140.4	146.8	185.1	191.5	181.9	165.9	165.9	159.5
80°	813.7	236.1	118.1	118.1	121.3	156.4	159.5	153.2	137.2	134.0	134.0
82.5°	261.7	143.6	98.9	92.5	89.3	127.6	140.4	130.8	114.9	108.5	105.3
85°	127.6	89.3	70.2	63.8	63.8	102.1	105.3	86.2	70.2	63.8	63.8
87.5°	41.5	38.3	35.1	25.5	25.5	47.9	51.1	38.3	31.9	25.5	25.5
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)