

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: P565292

Luminaire Tested: **IFLD-L-SA8A-AMB-U-T4FT**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565292
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-AMB-U-T4FT
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ T4FT distribution lens
Light Source: (128) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

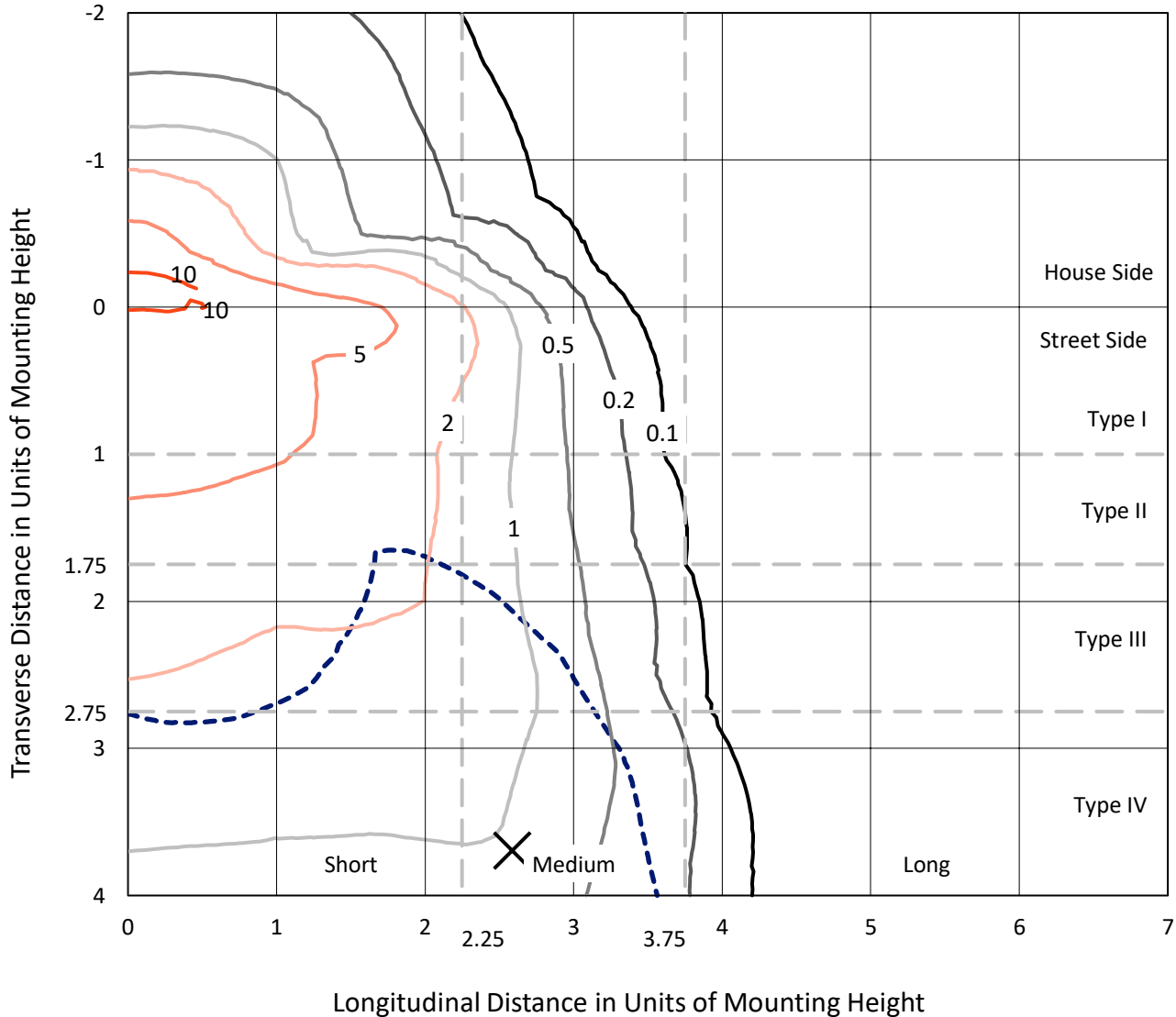
Lumens per Lamp: N/A
Luminaire Lumens: 8342.8 lumens
Efficiency: N/A
Efficacy: 52.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G3

Input Watts (W): 160
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

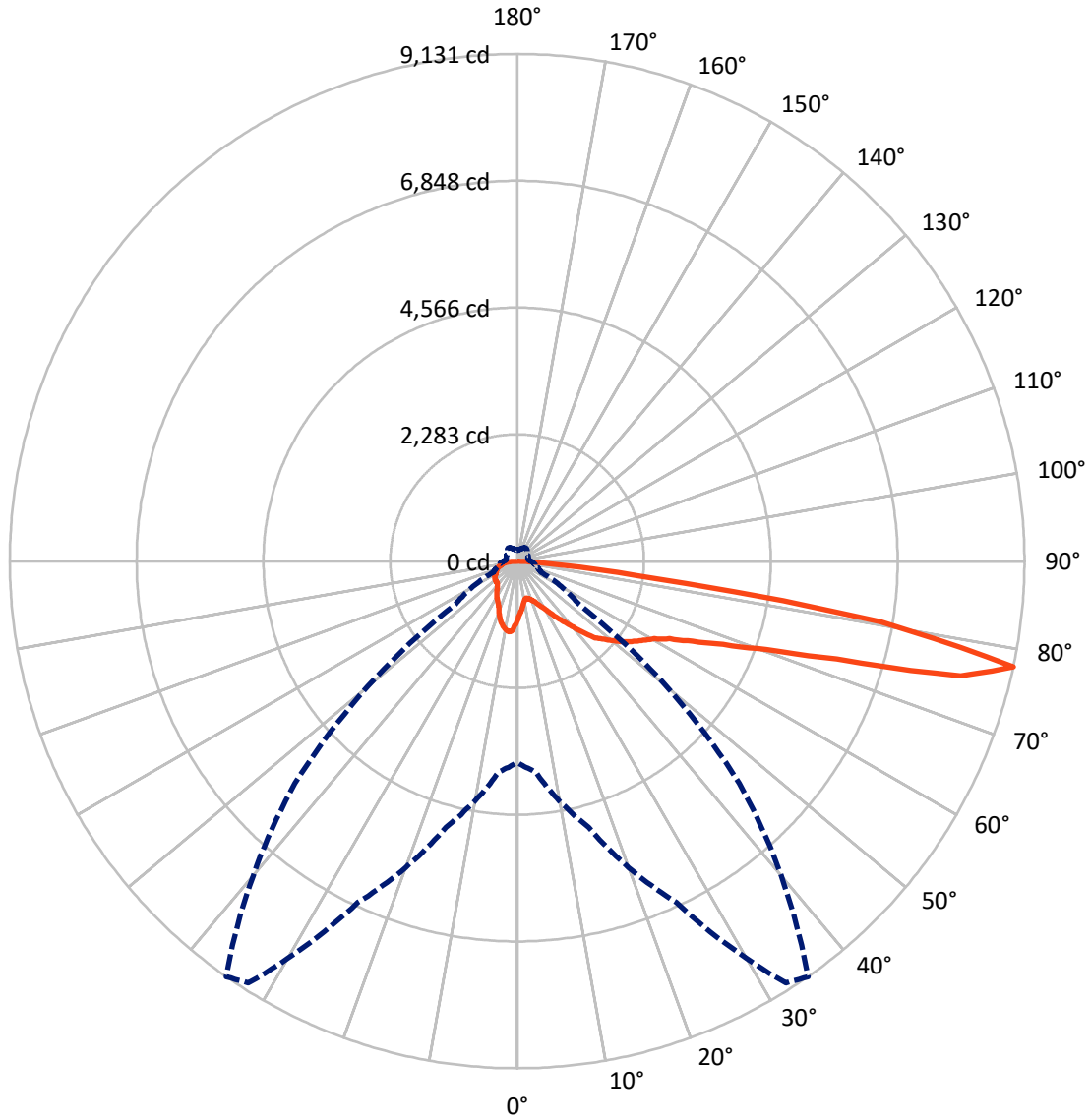
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 77.5-Deg Vertical

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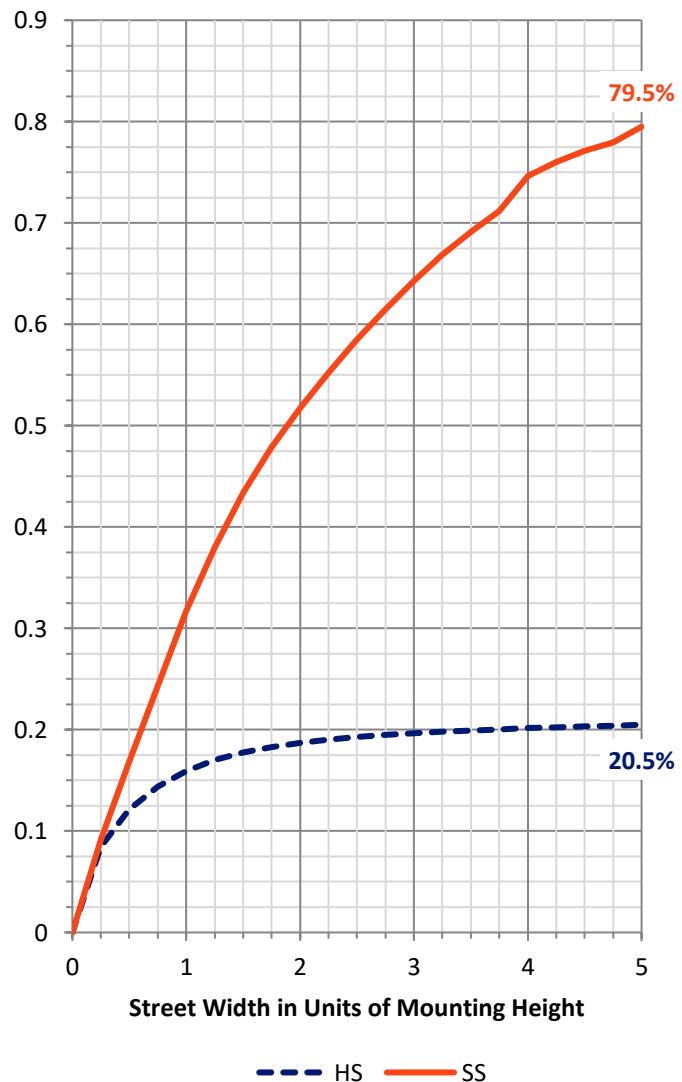
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1741.4	0.0	1741.4
	% Fixture	20.9	0.0	20.9
Street Side	Lumens	6601.4	0.0	6601.4
	% Fixture	79.1	0.0	79.1
Total	Lumens	8342.8	0.0	8342.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.8	1.2
10°-20°	281.5	3.4
20°-30°	457.5	5.5
30°-40°	681.9	8.2
40°-50°	1013.9	12.2
50°-60°	1477.9	17.7
60°-70°	1968.8	23.6
70°-80°	2075.8	24.9
80°-90°	285.8	3.4
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°	8342.8	100.0
0°-180°	8342.8	100.0

Coefficient of Utilization

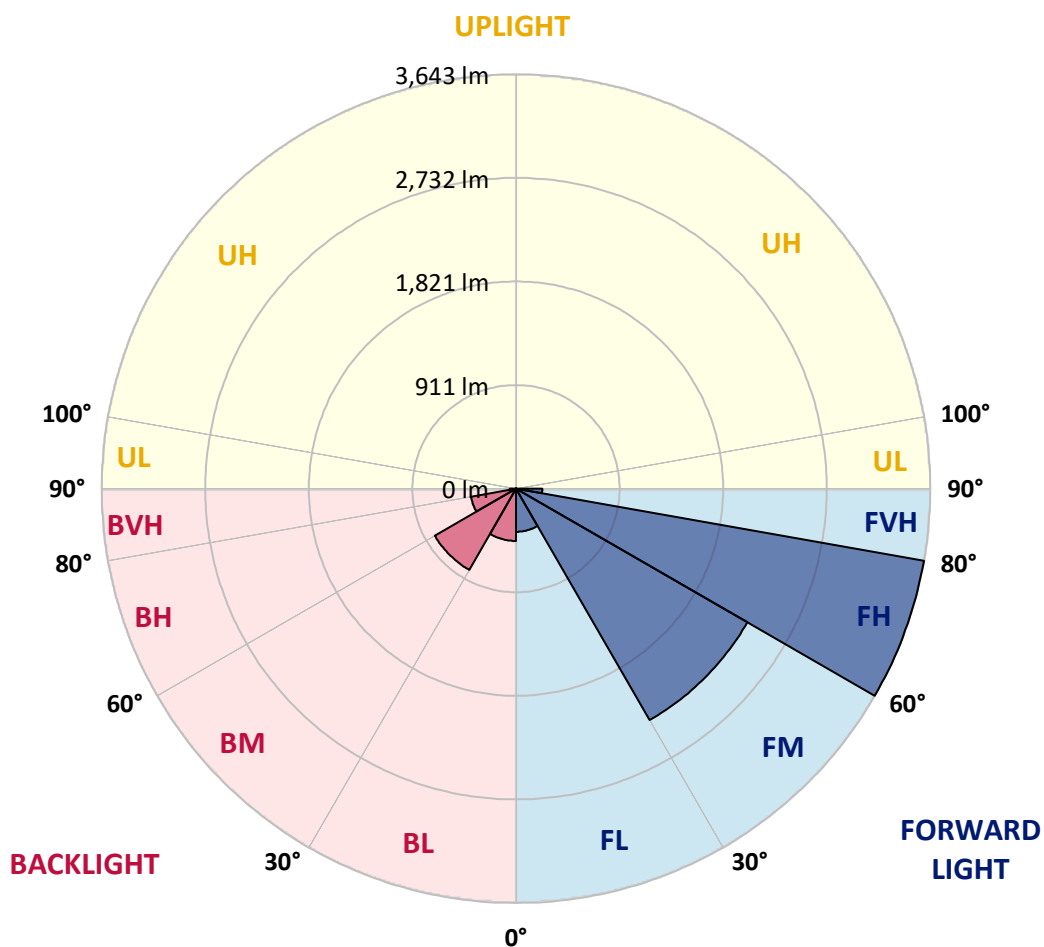


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	379.2	4.5			
FM (30°-60°)	2349.1	28.2			
FH (60°-80°)	3642.5	43.7			G2/5000
FVH (80°-90°)	230.6	2.8			G3/500
BL (0°-30°)	459.6	5.5	B1/500		
BM (30°-60°)	824.6	9.9	B1/1000		
BH (60°-80°)	402.0	4.8	B1/500		G1/500
BVH (80°-90°)	55.2	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-G3
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	32.5°	35°	45°	55°	65°	75°	85°
0°	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2
2.5°	937.2	928.7	933.0	945.6	949.9	949.9	966.7	983.6	1004.7	1017.4	1051.2
5°	814.8	827.4	827.4	857.0	873.9	869.6	886.5	928.7	958.3	1004.7	1051.2
7.5°	713.4	721.9	726.1	751.4	772.5	785.2	823.2	873.9	920.3	983.6	1042.7
10°	662.8	658.6	662.8	675.5	700.8	717.7	764.1	827.4	895.0	975.2	1051.2
12.5°	650.1	658.6	645.9	654.3	671.2	683.9	726.1	806.3	873.9	971.0	1080.7
15°	688.1	688.1	662.8	671.2	683.9	692.3	734.6	797.9	878.1	979.4	1110.3
17.5°	734.6	734.6	700.8	696.6	705.0	721.9	755.7	802.1	882.3	987.8	1118.7
20°	797.9	789.4	738.8	726.1	738.8	743.0	785.2	835.9	899.2	1000.5	1152.5
22.5°	873.9	857.0	785.2	768.3	781.0	789.4	827.4	865.4	903.4	992.1	1177.8
25°	962.5	941.4	865.4	840.1	848.5	848.5	865.4	903.4	920.3	1000.5	1207.4
27.5°	1059.6	1042.7	979.4	924.5	911.9	920.3	928.7	945.6	966.7	1042.7	1266.5
30°	1190.5	1186.3	1114.5	1030.1	1017.4	1009.0	996.3	1013.2	1021.6	1076.5	1342.5
32.5°	1325.6	1304.5	1245.4	1160.9	1139.8	1122.9	1093.4	1114.5	1101.8	1127.2	1405.8
35°	1426.9	1405.8	1359.3	1312.9	1279.1	1258.0	1207.4	1228.5	1190.5	1177.8	1507.1
37.5°	1562.0	1566.2	1528.2	1469.1	1410.0	1401.6	1346.7	1338.2	1287.6	1270.7	1646.4
40°	1701.3	1718.2	1663.3	1642.2	1562.0	1562.0	1536.7	1502.9	1418.5	1363.6	1798.4
42.5°	1920.8	1857.5	1802.6	1798.4	1785.7	1764.6	1747.7	1684.4	1557.8	1490.2	2034.8
45°	2055.9	2005.3	1920.8	1929.3	1958.8	1967.3	1975.7	1895.5	1701.3	1625.3	2233.2
47.5°	2081.2	2085.5	2034.8	2060.1	2055.9	2102.3	2216.3	2089.7	1899.7	1794.2	2410.5
50°	2131.9	2110.8	2144.6	2207.9	2229.0	2254.3	2444.3	2326.1	2115.0	1979.9	2672.3
52.5°	2216.3	2191.0	2229.0	2326.1	2381.0	2410.5	2617.4	2537.2	2338.8	2186.8	3064.9
55°	2258.5	2245.9	2305.0	2402.1	2516.1	2549.8	2782.0	2828.5	2608.9	2440.1	3558.8
57.5°	2292.3	2292.3	2448.5	2545.6	2651.2	2680.7	2967.8	3098.6	2803.1	2790.5	4103.4
60°	2444.3	2406.3	2575.2	2663.8	2782.0	2836.9	3305.5	3411.0	2967.8	3052.2	4534.0
62.5°	2684.9	2646.9	2693.4	2862.2	3018.4	3077.5	3685.4	3630.6	3107.1	3263.3	4580.4
65°	3153.5	3098.6	3031.1	3094.4	3301.3	3470.1	4116.0	3858.5	3187.3	3229.5	4242.7
67.5°	3753.0	3736.1	3575.7	3491.2	3867.0	3997.8	4635.3	4061.2	3073.3	2963.5	3263.3
70°	4496.0	4360.9	4196.3	4217.4	4656.4	4761.9	5209.4	3943.0	2798.9	2334.5	1903.9
72.5°	5239.0	5129.2	5112.3	5285.4	5910.2	6015.8	5990.4	3803.6	2216.3	1325.6	768.3
75°	5682.2	5627.4	5834.2	6729.2	8037.9	8249.0	6737.6	3043.8	1165.2	548.8	384.2
77.5°	3622.1	3807.9	4960.4	6779.9	9004.6	9131.3	5652.7	1359.3	477.0	350.4	287.1
80°	612.1	675.5	1207.4	3377.3	6437.9	6627.9	2465.4	451.7	316.6	287.1	228.0
82.5°	190.0	198.4	325.1	755.7	1941.9	2165.7	536.1	266.0	240.6	219.5	164.6
85°	80.2	84.4	152.0	244.9	426.4	460.2	181.5	156.2	173.1	143.5	97.1
87.5°	25.3	29.6	63.3	97.1	160.4	160.4	71.8	67.5	88.7	76.0	42.2
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°	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2	1051.2
2.5°	1068.1	1076.5	1089.2	1122.9	1131.4	1160.9	1160.9	1165.2	1182.0	1165.2	1190.5
5°	1063.8	1106.1	1144.0	1190.5	1211.6	1241.1	1262.3	1245.4	1258.0	1253.8	1274.9
7.5°	1072.3	1127.2	1203.2	1241.1	1279.1	1283.4	1279.1	1253.8	1253.8	1245.4	1262.3
10°	1106.1	1169.4	1241.1	1287.6	1287.6	1270.7	1249.6	1215.8	1211.6	1194.7	1207.4
12.5°	1156.7	1198.9	1308.7	1317.1	1274.9	1258.0	1198.9	1160.9	1156.7	1106.1	1118.7
15°	1177.8	1241.1	1334.0	1317.1	1279.1	1215.8	1139.8	1097.6	1047.0	1017.4	1030.1
17.5°	1215.8	1287.6	1363.6	1308.7	1245.4	1165.2	1063.8	1000.5	954.1	920.3	928.7
20°	1236.9	1346.7	1363.6	1296.0	1211.6	1076.5	979.4	903.4	869.6	844.3	844.3
22.5°	1279.1	1388.9	1380.5	1270.7	1156.7	1000.5	882.3	840.1	827.4	823.2	819.0
25°	1363.6	1435.3	1359.3	1228.5	1047.0	895.0	827.4	810.5	819.0	814.8	819.0
27.5°	1439.6	1486.0	1355.1	1152.5	920.3	789.4	781.0	802.1	802.1	806.3	806.3
30°	1498.7	1536.7	1325.6	1038.5	772.5	717.7	743.0	772.5	789.4	789.4	785.2
32.5°	1591.5	1583.1	1279.1	911.9	675.5	662.8	692.3	738.8	764.1	764.1	759.9
35°	1688.6	1654.9	1220.0	781.0	616.4	620.6	637.5	679.7	705.0	721.9	721.9
37.5°	1832.2	1714.0	1160.9	650.1	578.4	574.1	595.2	620.6	637.5	641.7	650.1
40°	1996.8	1819.5	1038.5	574.1	548.8	548.8	565.7	569.9	565.7	561.5	574.1
42.5°	2203.7	1882.8	886.5	510.8	519.3	527.7	536.1	523.5	515.0	510.8	515.0
45°	2313.4	1908.2	738.8	472.8	481.3	523.5	523.5	515.0	493.9	468.6	460.2
47.5°	2406.3	1882.8	603.7	430.6	464.4	527.7	523.5	498.1	468.6	430.6	426.4
50°	2558.3	1895.5	506.6	405.3	455.9	536.1	515.0	472.8	447.5	401.1	401.1
52.5°	2782.0	2005.3	443.3	384.2	451.7	536.1	510.8	455.9	417.9	375.7	375.7
55°	3204.2	2191.0	388.4	371.5	439.0	523.5	498.1	439.0	379.9	341.9	341.9
57.5°	3617.9	2393.6	367.3	363.1	422.2	489.7	477.0	405.3	358.8	337.7	325.1
60°	3943.0	2381.0	341.9	350.4	392.6	460.2	439.0	379.9	341.9	325.1	320.8
62.5°	3926.1	2131.9	333.5	337.7	367.3	426.4	422.2	363.1	333.5	312.4	312.4
65°	3495.5	1642.2	312.4	325.1	341.9	401.1	413.7	354.6	316.6	308.2	304.0
67.5°	2558.3	1038.5	299.7	308.2	320.8	375.7	401.1	337.7	304.0	295.5	295.5
70°	1363.6	582.6	282.8	291.3	304.0	354.6	379.9	329.3	282.8	287.1	282.8
72.5°	531.9	341.9	257.5	274.4	274.4	320.8	350.4	308.2	266.0	253.3	240.6
75°	312.4	257.5	228.0	240.6	249.1	287.1	316.6	282.8	240.6	219.5	211.1
77.5°	244.9	206.9	198.4	219.5	219.5	257.5	287.1	261.7	223.7	202.6	194.2
80°	190.0	160.4	168.9	185.7	185.7	240.6	270.2	228.0	185.7	168.9	160.4
82.5°	135.1	118.2	135.1	147.8	139.3	194.2	236.4	185.7	147.8	135.1	105.5
85°	76.0	76.0	97.1	92.9	92.9	122.4	160.4	122.4	88.7	71.8	67.5
87.5°	29.6	33.8	42.2	38.0	38.0	59.1	71.8	46.4	38.0	29.6	21.1
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)