

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: P476826

Luminaire Tested: **IFLD-S-SA2B-722-U-T2R**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P476826
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-722-U-T2R
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

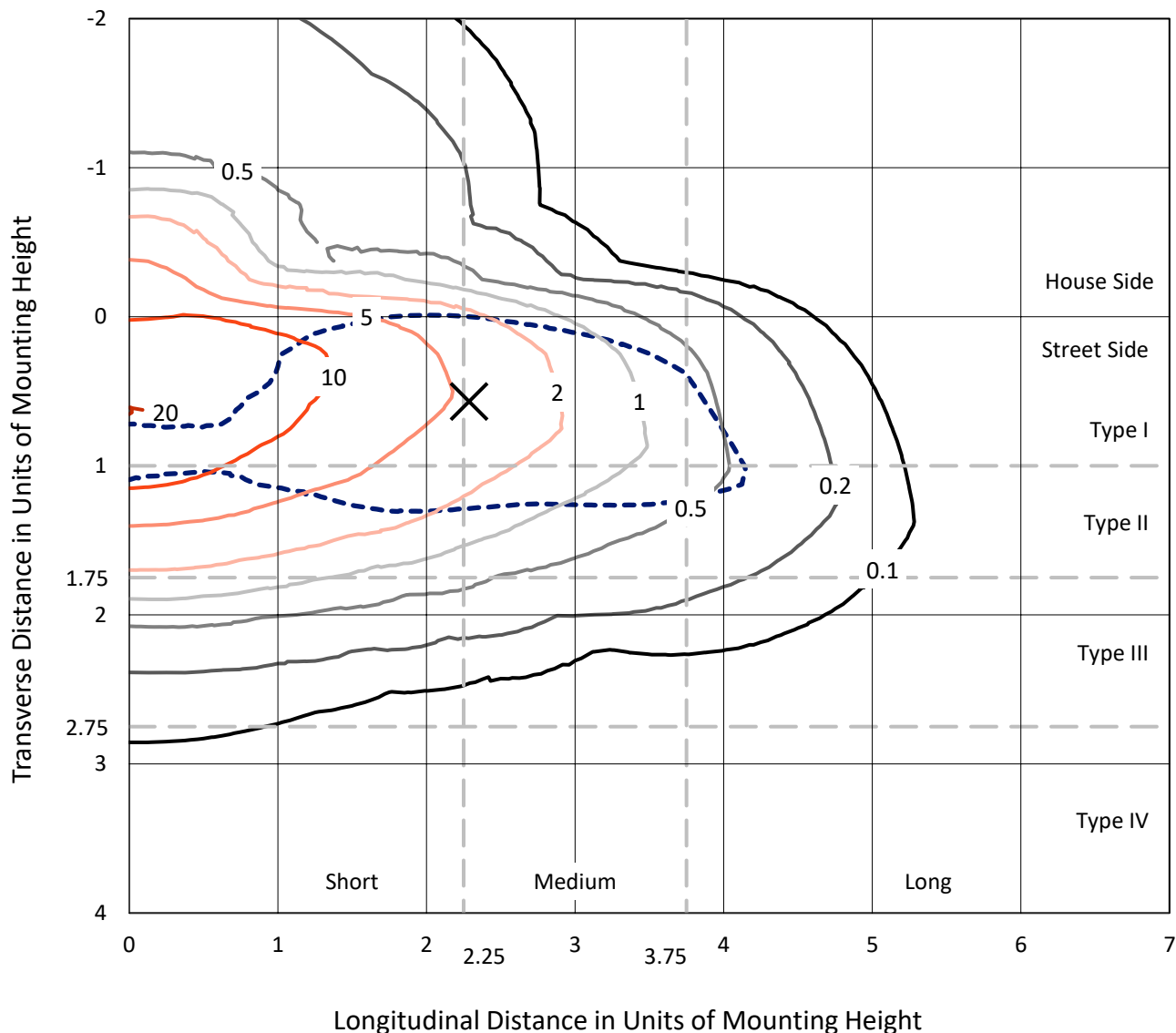
Lumens per Lamp: N/A
Luminaire Lumens: 8457.6 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 82.4
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

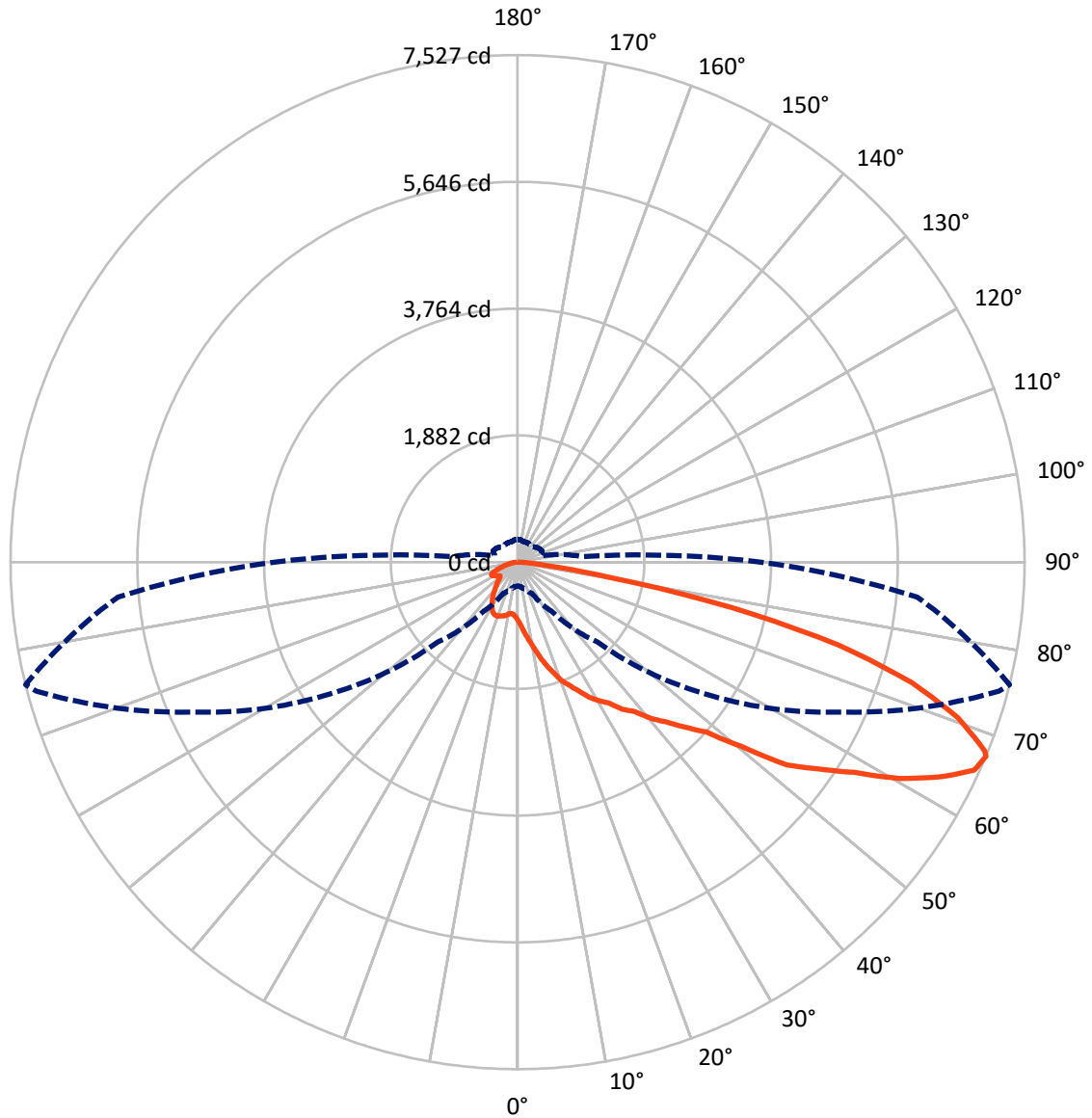
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1203.2	0.0	1203.2
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	7254.4	0.0	7254.4
	% Fixture	85.8	0.0	85.8
Total	Lumens	8457.6	0.0	8457.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.3	1.2
10°-20°	376.0	4.4
20°-30°	699.1	8.3
30°-40°	1108.2	13.1
40°-50°	1532.7	18.1
50°-60°	1885.3	22.3
60°-70°	1754.4	20.7
70°-80°	880.3	10.4
80°-90°	121.4	1.4
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°	8457.6	100.0
0°-180°	8457.6	100.0

Coefficient of Utilization



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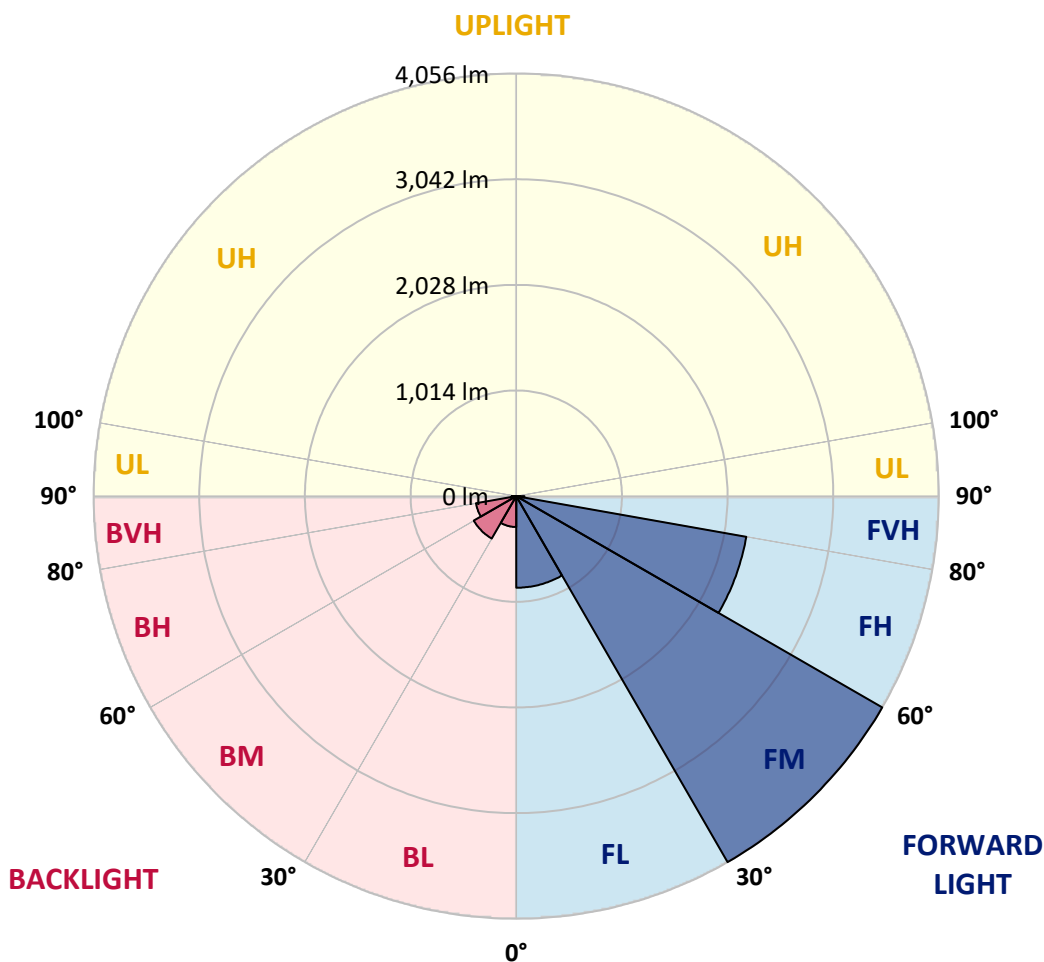
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	879.0	10.4			
FM (30°-60°)	4056.0	48.0			
FH (60°-80°)	2242.0	26.5			G2/5000
FVH (80°-90°)	77.3	0.9			G1/100
BL (0°-30°)	296.3	3.5	B1/500		
BM (30°-60°)	470.2	5.6	B1/1000		
BH (60°-80°)	392.7	4.6	B1/500		G1/500
BVH (80°-90°)	44.0	0.5			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°	76°	85°
0°	865.5	865.5	865.5	865.5	865.5	865.5	865.5	865.5	865.5	865.5	865.5
2.5°	1200.9	1186.5	1172.0	1141.2	1130.6	1101.6	1048.6	989.8	941.6	934.9	901.2
5°	1490.1	1468.9	1464.0	1446.7	1391.7	1335.8	1249.1	1154.7	1037.1	1045.7	930.1
7.5°	1706.9	1694.4	1668.4	1652.0	1619.2	1545.0	1455.4	1330.1	1180.7	1151.8	994.7
10°	1870.8	1853.4	1852.5	1838.0	1820.6	1744.5	1676.1	1507.4	1315.6	1276.1	1073.7
12.5°	1953.7	1950.8	2001.8	2001.8	1995.1	1963.3	1845.7	1691.5	1443.8	1430.3	1165.3
15°	2043.3	2019.2	2063.5	2097.3	2114.6	2131.0	2033.6	1870.8	1607.6	1581.6	1263.6
17.5°	2043.3	2041.4	2085.7	2141.6	2232.2	2253.4	2200.4	2035.6	1743.5	1724.3	1371.5
20°	2008.6	2036.5	2067.4	2142.6	2240.9	2326.6	2342.1	2204.2	1893.9	1878.5	1493.9
22.5°	2170.5	2143.5	2175.3	2204.2	2280.4	2410.5	2452.9	2352.7	2052.0	1993.2	1604.8
25°	2442.3	2424.0	2400.9	2358.5	2390.3	2447.1	2511.7	2462.5	2186.9	2121.4	1711.7
27.5°	2707.4	2708.3	2658.2	2565.7	2497.2	2508.8	2585.0	2558.9	2300.6	2271.7	1785.0
30°	3084.2	3061.1	3005.2	2879.9	2745.9	2636.0	2623.5	2648.6	2445.2	2389.3	1890.0
32.5°	3366.6	3371.4	3292.4	3112.2	2929.0	2839.4	2729.5	2740.1	2536.8	2495.3	1973.9
35°	3595.0	3589.2	3533.3	3384.0	3167.1	3059.1	2910.7	2850.0	2749.8	2684.2	2102.1
37.5°	3841.8	3794.5	3703.9	3535.3	3396.5	3247.1	3102.5	2965.7	2891.4	2812.4	2212.0
40°	3941.0	3941.0	3819.6	3742.5	3577.7	3464.9	3371.4	3117.9	3064.0	3048.5	2352.7
42.5°	3870.7	3914.1	3863.9	3776.2	3708.8	3566.1	3541.1	3276.0	3277.0	3246.1	2521.3
45°	3863.9	3804.2	3762.7	3784.9	3753.1	3745.4	3809.0	3494.8	3500.6	3496.7	2747.8
47.5°	3670.2	3643.2	3704.9	3741.5	3767.6	3887.1	4070.2	3756.0	3797.4	3768.5	3009.0
50°	3477.4	3472.6	3511.2	3644.2	3757.0	3953.6	4318.9	4158.9	4294.8	4292.8	3482.3
52.5°	2949.3	3000.4	3151.7	3433.1	3711.7	4044.2	4506.8	4673.5	4932.8	5003.2	3874.5
55°	2444.2	2417.2	2640.9	3049.5	3514.1	4079.8	4716.9	4982.9	5364.6	5415.7	4277.4
57.5°	1901.6	1951.7	2128.1	2520.4	3105.4	3903.5	4871.1	5288.5	5852.3	5891.8	4744.9
60°	1418.7	1425.5	1619.2	1935.3	2561.8	3505.4	4921.2	5601.7	6411.3	6524.1	5234.5
62.5°	892.5	933.0	1080.4	1391.7	1928.6	2948.3	4696.7	5791.6	6997.3	7027.2	5728.0
65°	480.9	507.0	617.8	813.5	1347.4	2230.3	4101.0	5677.8	7272.9	7450.3	5947.7
67°	355.6	360.5	411.5	519.5	901.2	1679.0	3419.6	5266.3	7398.2	7527.4	5956.4
67.5°	333.5	340.2	380.7	466.5	799.0	1546.0	3241.3	5119.8	7342.3	7481.1	5888.9
70°	285.3	287.2	296.9	321.0	448.2	930.1	2207.1	4195.5	6805.5	6938.5	5415.7
72.5°	253.5	255.4	259.3	264.1	303.6	537.8	1342.6	3228.8	5914.9	6127.0	4672.6
75°	222.6	229.4	231.3	227.5	258.3	349.9	714.2	2372.9	4824.9	4928.0	3633.6
77.5°	188.9	191.8	195.7	199.5	230.4	261.2	343.1	1601.9	3311.7	3249.0	1965.2
80°	159.0	160.0	162.9	165.8	199.5	199.5	194.7	865.5	1446.7	1383.1	664.1
82.5°	113.7	120.5	127.2	134.9	165.8	134.0	127.2	385.5	457.8	435.6	224.6
85°	44.3	54.0	83.9	92.5	105.1	72.3	84.8	166.7	190.8	188.9	83.9
87.5°	7.7	8.7	23.1	35.7	38.6	25.1	40.5	59.8	71.3	77.1	30.8
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°	865.5	865.5	865.5	865.5	865.5	865.5	865.5	865.5	865.5	865.5	865.5
2.5°	873.2	843.3	807.7	772.0	748.9	712.3	709.4	687.2	684.3	676.6	680.5
5°	880.0	844.3	772.0	715.2	689.1	667.9	672.7	663.1	660.2	655.4	647.7
7.5°	933.0	862.6	754.7	705.5	686.2	676.6	676.6	665.0	656.4	662.1	667.9
10°	967.7	871.3	768.2	719.0	703.6	682.4	690.1	675.6	680.5	668.9	668.9
12.5°	1023.6	920.4	796.1	739.2	714.2	694.9	702.6	686.2	682.4	683.3	680.5
15°	1098.7	953.2	808.6	750.8	733.5	709.4	703.6	689.1	674.7	669.9	675.6
17.5°	1169.1	993.7	817.3	757.6	729.6	702.6	695.9	677.6	672.7	658.3	646.7
20°	1253.0	1041.9	828.9	763.3	715.2	688.2	670.8	652.5	636.1	627.4	631.3
22.5°	1308.9	1066.9	834.7	751.8	693.9	668.9	632.3	619.7	596.6	587.0	579.3
25°	1400.4	1097.8	820.2	720.0	656.4	615.9	583.1	565.8	549.4	536.8	533.0
27.5°	1423.6	1120.9	786.5	666.0	596.6	554.2	526.2	505.0	494.4	475.2	471.3
30°	1491.0	1097.8	736.4	600.5	539.7	496.4	468.4	453.0	427.9	423.1	412.5
32.5°	1534.4	1104.5	672.7	536.8	474.2	435.6	417.3	401.9	395.2	372.0	366.2
35°	1606.7	1081.4	608.2	478.1	420.2	390.3	374.9	370.1	347.9	337.3	327.7
37.5°	1652.9	1067.9	543.6	411.5	361.4	348.9	353.7	333.5	306.5	286.3	279.5
40°	1733.9	1063.1	470.3	356.6	321.0	318.1	333.5	294.9	245.8	228.4	218.8
42.5°	1850.5	1030.3	413.5	307.5	289.1	301.7	304.6	245.8	217.8	203.4	196.6
45°	1962.3	1037.1	357.6	254.4	251.6	269.9	263.1	208.2	191.8	181.2	187.0
47.5°	2177.3	1070.8	302.6	212.0	226.5	243.8	204.3	186.0	170.6	162.9	163.8
50°	2509.8	1103.6	254.4	193.7	214.0	220.7	175.4	168.7	167.7	152.3	151.3
52.5°	2709.3	1091.0	245.8	216.9	229.4	220.7	190.8	186.0	178.3	171.6	163.8
55°	3026.4	1127.7	264.1	253.5	260.2	212.0	214.0	212.0	206.3	188.9	193.7
57.5°	3278.9	1151.8	288.2	283.4	279.5	220.7	223.6	224.6	220.7	213.0	219.7
60°	3625.9	1199.9	313.2	314.2	315.2	240.0	244.8	250.6	249.6	246.7	248.7
62.5°	3838.9	1177.8	341.2	356.6	351.8	279.5	278.5	282.4	282.4	287.2	290.1
65°	3807.1	1095.9	355.6	394.2	369.1	308.4	308.4	310.3	311.3	321.0	321.9
67°	3616.2	949.4	347.9	400.0	369.1	320.0	320.0	321.9	315.2	340.2	332.5
67.5°	3527.6	906.0	341.2	395.2	366.2	319.0	319.0	320.0	314.2	338.3	330.6
70°	3067.8	672.7	294.0	349.9	339.3	310.3	310.3	304.6	299.7	331.6	324.8
72.5°	2618.7	488.7	236.1	297.8	306.5	298.8	300.7	286.3	272.8	294.9	289.1
75°	2005.7	359.5	184.1	229.4	259.3	279.5	292.0	255.4	238.1	243.8	233.2
77.5°	1119.0	234.2	145.5	169.6	197.6	260.2	280.5	230.4	194.7	187.9	187.9
80°	379.7	136.9	107.0	126.3	135.9	230.4	262.2	187.0	153.2	146.5	141.7
82.5°	143.6	83.9	73.2	86.7	86.7	182.2	214.0	143.6	115.7	149.4	152.3
85°	65.5	50.1	48.2	50.1	50.1	111.8	151.3	93.5	104.1	89.6	79.0
87.5°	26.0	24.1	22.2	21.2	17.3	19.3	52.0	25.1	47.2	12.5	11.6
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)