

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: P565297

Luminaire Tested: **IFLD-S-SA6A-AMB-U-T4W**

Issue Date: 09/02/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P565297  
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-T4W  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ T4W distribution lens  
Light Source: (96) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

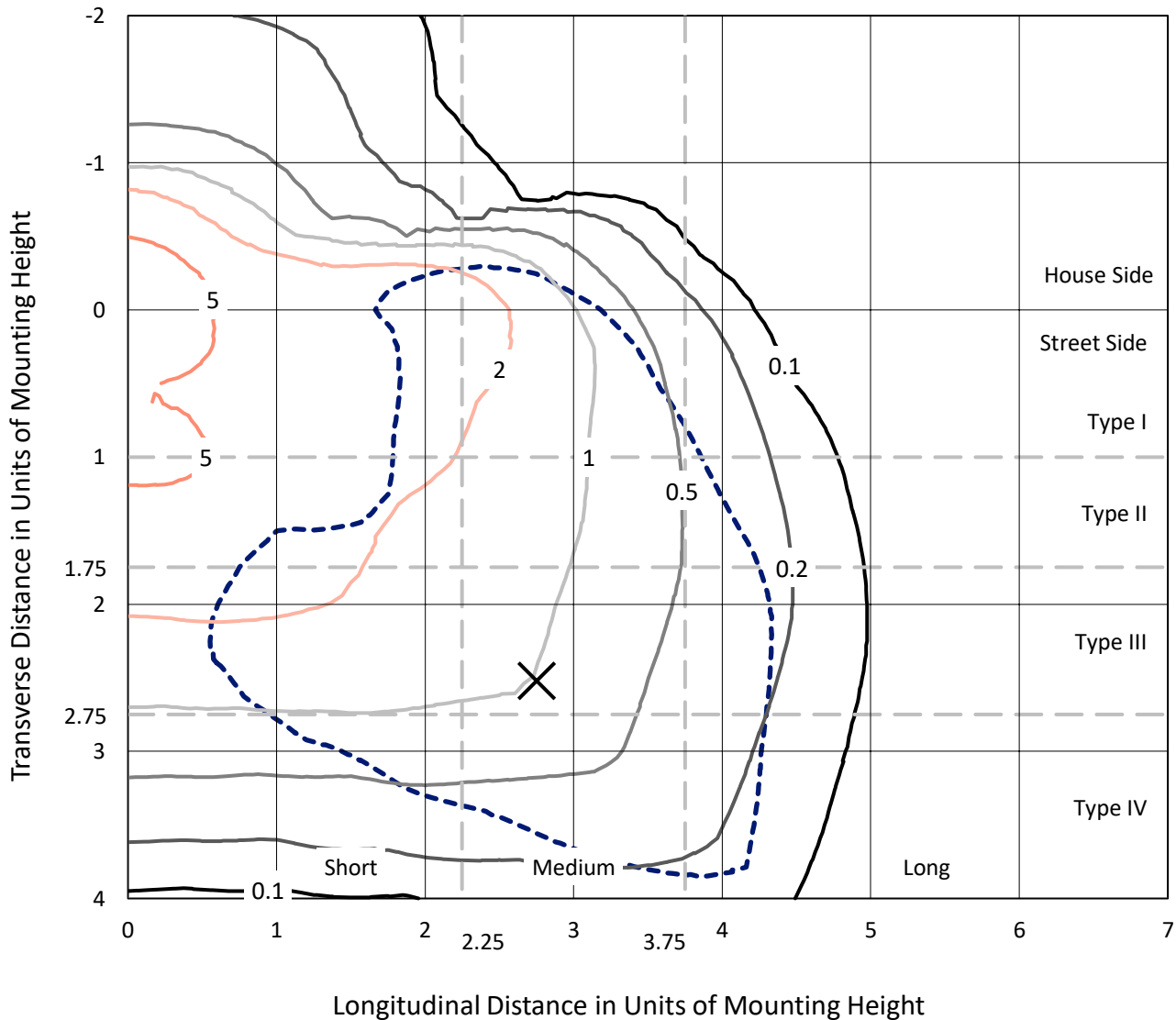
Lumens per Lamp: N/A  
Luminaire Lumens: 6485.6 lumens  
Efficiency: N/A  
Efficacy: 53.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

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

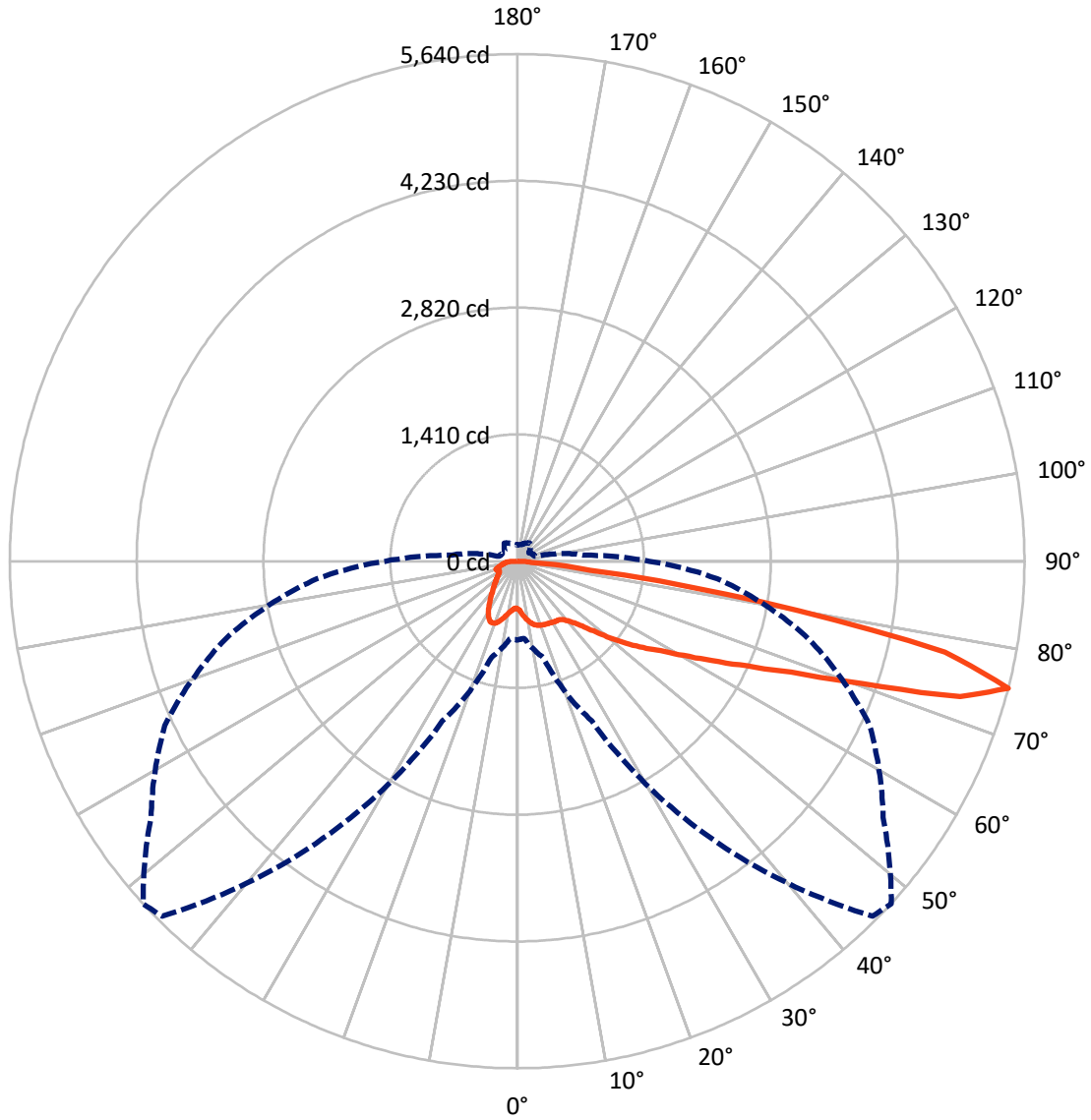
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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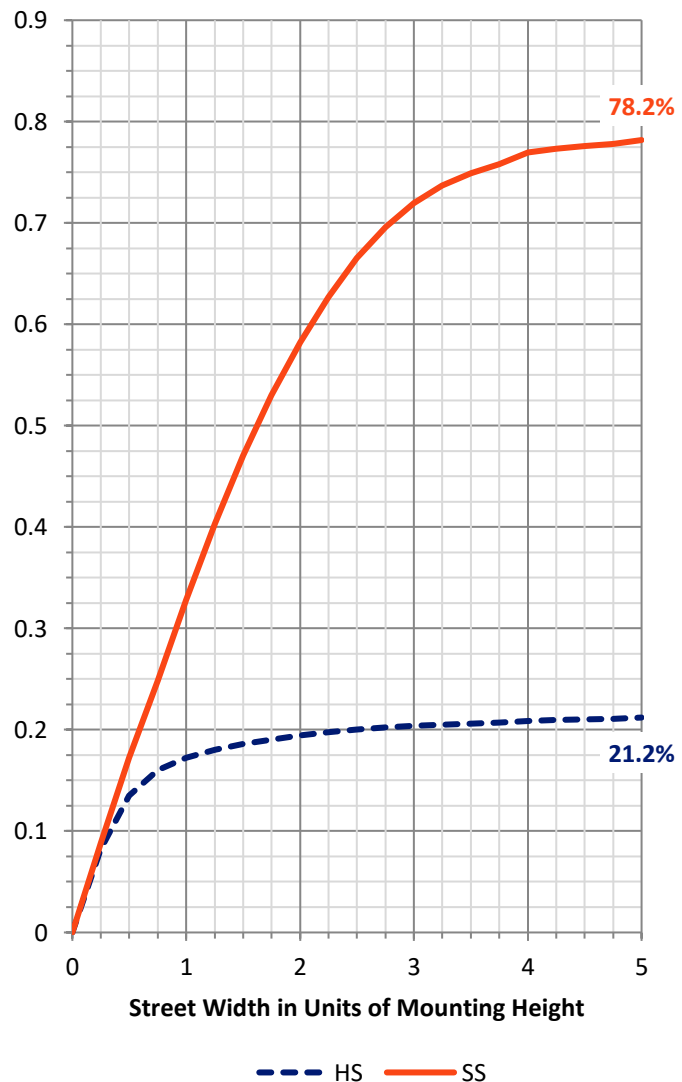
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1407.7	0.0	1407.7
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	5077.9	0.0	5077.9
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	6485.6	0.0	6485.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.2	0.9
10°-20°	199.2	3.1
20°-30°	341.3	5.3
30°-40°	473.8	7.3
40°-50°	687.7	10.6
50°-60°	1087.4	16.8
60°-70°	1821.4	28.1
70°-80°	1630.7	25.1
80°-90°	187.9	2.9
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°	6485.6	100.0
0°-180°	6485.6	100.0

**Coefficient of Utilization**

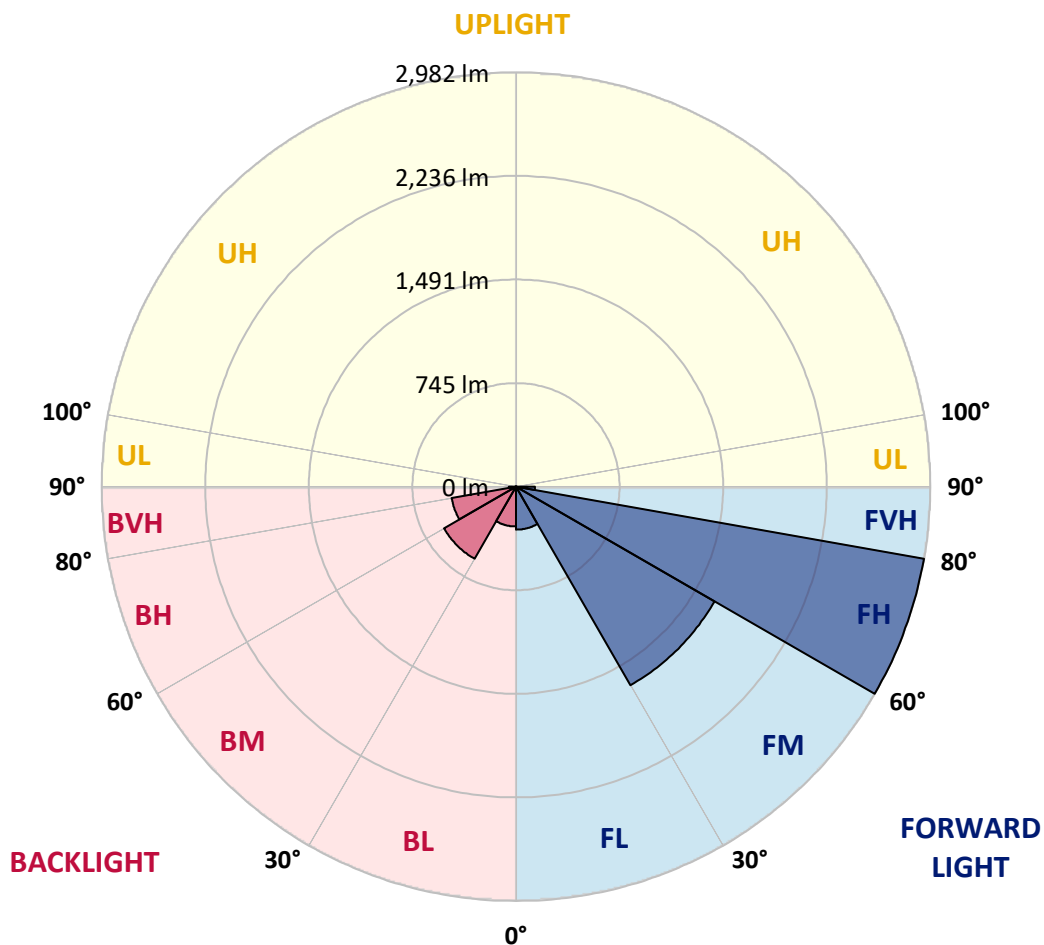


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	309.9	4.8			
FM (30°-60°)	1650.3	25.4			
FH (60°-80°)	2981.7	46.0			G2/5000
FVH (80°-90°)	136.1	2.1			G2/225
BL (0°-30°)	286.8	4.4	B1/500		
BM (30°-60°)	598.6	9.2	B1/1000		
BH (60°-80°)	470.4	7.3	B1/500		G1/500
BVH (80°-90°)	51.8	0.8			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°	47.5°	55°	65°	75°	85°
0°	528.1	528.1	528.1	528.1	528.1	528.1	528.1	528.1	528.1	528.1	528.1
2.5°	570.5	564.0	560.7	557.5	554.2	547.7	547.7	544.4	541.2	534.7	531.4
5°	645.5	635.7	629.2	622.7	609.6	596.6	590.1	577.0	564.0	547.7	537.9
7.5°	707.4	704.2	694.4	681.4	661.8	642.2	635.7	619.4	599.9	573.8	557.5
10°	756.3	753.1	740.0	723.7	700.9	681.4	674.8	661.8	639.0	609.6	586.8
12.5°	798.7	795.5	779.2	756.3	730.3	714.0	707.4	697.7	674.8	648.8	619.4
15°	821.5	818.3	805.2	775.9	749.8	736.8	733.5	727.0	710.7	684.6	652.0
17.5°	815.0	815.0	802.0	775.9	756.3	753.1	749.8	749.8	736.8	717.2	681.4
20°	785.7	782.4	782.4	759.6	753.1	759.6	759.6	766.1	759.6	746.6	710.7
22.5°	759.6	756.3	756.3	743.3	746.6	762.9	766.1	775.9	775.9	766.1	730.3
25°	749.8	743.3	746.6	733.5	743.3	769.4	772.6	785.7	785.7	775.9	743.3
27.5°	749.8	743.3	746.6	733.5	746.6	772.6	779.2	795.5	792.2	775.9	749.8
30°	766.1	759.6	759.6	743.3	756.3	782.4	785.7	802.0	798.7	785.7	766.1
32.5°	880.2	870.4	824.8	772.6	772.6	792.2	795.5	811.8	818.3	802.0	788.9
35°	1059.5	1053.0	984.5	863.9	805.2	802.0	802.0	831.3	850.9	831.3	811.8
37.5°	1291.0	1264.9	1176.9	1017.2	886.7	828.1	824.8	857.4	893.3	873.7	841.1
40°	1486.6	1467.0	1372.5	1196.5	997.6	886.7	873.7	896.5	938.9	916.1	886.7
42.5°	1639.8	1623.5	1568.1	1388.8	1134.5	965.0	938.9	938.9	987.8	968.2	935.6
45°	1757.2	1753.9	1724.6	1564.8	1287.7	1082.4	1043.2	1000.9	1053.0	1043.2	1000.9
47.5°	1815.9	1812.6	1842.0	1714.8	1457.3	1235.6	1173.6	1088.9	1144.3	1144.3	1101.9
50°	1868.0	1877.8	1930.0	1874.6	1652.9	1418.1	1339.9	1206.2	1268.2	1291.0	1232.3
52.5°	1952.8	1985.4	2034.3	2031.0	1887.6	1613.7	1515.9	1343.2	1431.2	1486.6	1431.2
55°	2122.3	2119.1	2151.7	2210.3	2138.6	1815.9	1698.5	1519.2	1662.6	1753.9	1698.5
57.5°	2226.6	2226.6	2295.1	2419.0	2432.0	2034.3	1881.1	1747.4	1959.3	2073.4	2057.1
60°	2389.7	2389.7	2480.9	2650.5	2722.2	2272.3	2128.8	2024.5	2308.1	2441.8	2542.9
62.5°	2477.7	2494.0	2647.2	2859.1	2950.4	2562.4	2432.0	2396.2	2705.9	2855.8	3136.2
65°	2448.3	2477.7	2797.2	3031.9	3234.0	2911.3	2806.9	2787.4	3119.9	3276.4	3768.7
67.5°	2494.0	2513.5	2872.1	3273.1	3579.6	3367.7	3286.2	3256.8	3566.5	3605.7	4234.9
70°	2363.6	2370.1	2692.8	3426.4	4111.0	4186.0	4071.9	3915.4	4032.7	3866.5	4329.4
72.5°	1877.8	1877.8	2171.2	3038.4	4287.0	5216.2	5151.0	4675.0	4404.4	3860.0	3628.5
75°	877.0	860.7	1105.2	1962.6	3765.4	5584.5	5640.0	4968.4	4322.9	3361.2	2233.2
77.5°	228.2	224.9	332.5	727.0	2096.2	4629.3	4864.1	4045.8	3292.7	1995.2	828.1
80°	120.6	120.6	156.5	228.2	727.0	2458.1	2751.5	2132.1	1489.9	710.7	260.8
82.5°	58.7	61.9	101.1	143.4	326.0	674.8	818.3	714.0	453.2	277.1	159.7
85°	26.1	29.3	52.2	84.8	192.3	146.7	156.5	208.6	260.8	198.9	88.0
87.5°	9.8	9.8	16.3	26.1	68.5	48.9	48.9	84.8	150.0	123.9	35.9
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°	528.1	528.1	528.1	528.1	528.1	528.1	528.1	528.1	528.1	528.1	528.1
2.5°	531.4	528.1	524.9	524.9	521.6	521.6	521.6	524.9	524.9	524.9	524.9
5°	534.7	531.4	528.1	528.1	531.4	537.9	541.2	547.7	551.0	554.2	557.5
7.5°	554.2	547.7	544.4	544.4	551.0	560.7	567.3	577.0	586.8	593.3	596.6
10°	580.3	573.8	567.3	573.8	580.3	590.1	603.1	612.9	622.7	629.2	635.7
12.5°	609.6	599.9	596.6	603.1	616.2	629.2	642.2	652.0	661.8	671.6	674.8
15°	639.0	632.5	629.2	639.0	655.3	671.6	684.6	694.4	700.9	710.7	710.7
17.5°	671.6	665.1	661.8	674.8	694.4	707.4	717.2	720.5	720.5	727.0	727.0
20°	697.7	691.1	691.1	707.4	723.7	733.5	730.3	727.0	720.5	727.0	727.0
22.5°	720.5	714.0	714.0	730.3	743.3	740.0	727.0	717.2	710.7	717.2	717.2
25°	733.5	733.5	740.0	746.6	740.0	730.3	714.0	707.4	697.7	700.9	704.2
27.5°	743.3	749.8	759.6	749.8	717.2	694.4	681.4	681.4	674.8	678.1	687.9
30°	766.1	772.6	775.9	740.0	678.1	642.2	625.9	635.7	648.8	652.0	661.8
32.5°	792.2	805.2	792.2	717.2	629.2	580.3	564.0	586.8	616.2	629.2	645.5
35°	821.5	844.4	805.2	691.1	580.3	515.1	508.6	528.1	554.2	577.0	596.6
37.5°	863.9	893.3	824.8	655.3	521.6	462.9	449.9	456.4	466.2	479.2	489.0
40°	912.8	948.7	841.1	606.4	456.4	417.3	397.7	381.4	374.9	368.4	374.9
42.5°	974.8	1020.4	857.4	551.0	417.3	381.4	348.8	329.3	316.2	296.7	296.7
45°	1049.8	1105.2	863.9	495.5	388.0	345.6	313.0	296.7	277.1	251.0	251.0
47.5°	1154.1	1229.1	860.7	440.1	358.6	313.0	290.1	270.6	247.8	228.2	228.2
50°	1307.3	1366.0	841.1	381.4	322.7	290.1	270.6	247.8	224.9	215.2	211.9
52.5°	1542.0	1545.3	798.7	329.3	293.4	270.6	251.0	231.5	215.2	208.6	205.4
55°	1913.7	1802.8	720.5	286.9	267.3	254.3	241.2	224.9	208.6	202.1	198.9
57.5°	2392.9	2187.5	681.4	260.8	238.0	238.0	234.7	221.7	205.4	195.6	192.3
60°	3077.5	2670.0	642.2	244.5	218.4	231.5	231.5	221.7	205.4	205.4	202.1
62.5°	3732.8	3165.6	518.4	234.7	208.6	231.5	247.8	244.5	244.5	260.8	260.8
65°	4260.9	3472.0	378.2	228.2	205.4	244.5	273.8	273.8	247.8	257.5	251.0
67.5°	4397.9	3462.2	283.6	221.7	202.1	267.3	303.2	267.3	228.2	234.7	228.2
70°	3928.4	2872.1	254.3	215.2	198.9	267.3	293.4	254.3	218.4	224.9	208.6
72.5°	2849.3	1799.6	228.2	205.4	182.6	241.2	270.6	238.0	205.4	202.1	185.8
75°	1470.3	753.1	205.4	189.1	159.7	205.4	247.8	221.7	192.3	185.8	179.3
77.5°	479.2	290.1	185.8	172.8	140.2	182.6	228.2	205.4	176.0	163.0	159.7
80°	208.6	195.6	159.7	153.2	120.6	156.5	211.9	189.1	156.5	140.2	136.9
82.5°	146.7	133.7	127.1	123.9	101.1	153.2	211.9	185.8	146.7	143.4	117.4
85°	81.5	78.2	88.0	81.5	71.7	127.1	159.7	127.1	91.3	75.0	75.0
87.5°	29.3	35.9	42.4	39.1	35.9	65.2	84.8	71.7	48.9	39.1	39.1
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)