

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: P565300

Luminaire Tested: **IFLD-L-SA8A-AMB-U-T4W**

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565300  
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-T4W  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ T4W distribution lens  
Light Source: (128) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

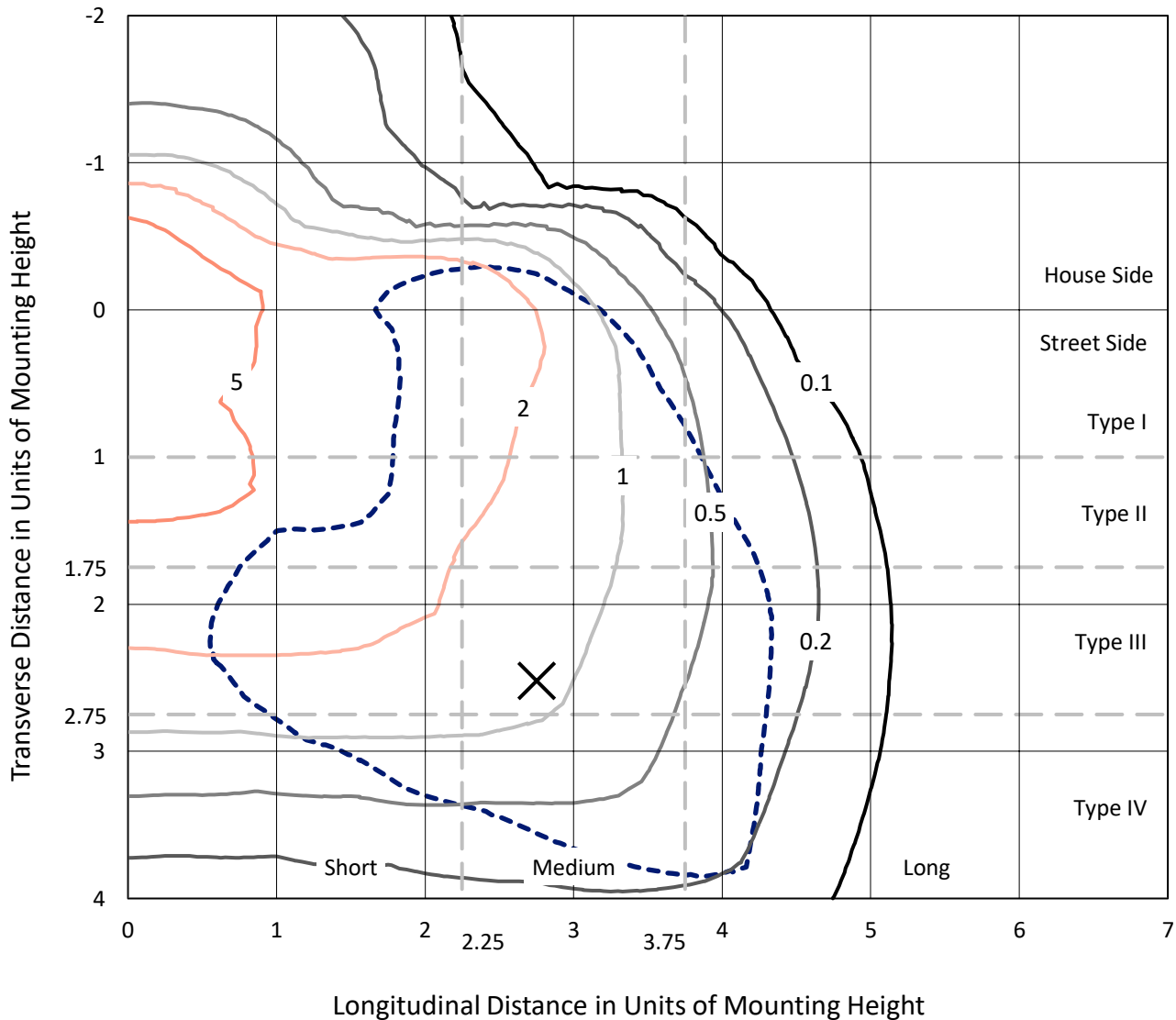
Lumens per Lamp: N/A  
Luminaire Lumens: 8231.7 lumens  
Efficiency: N/A  
Efficacy: 51.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G2

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

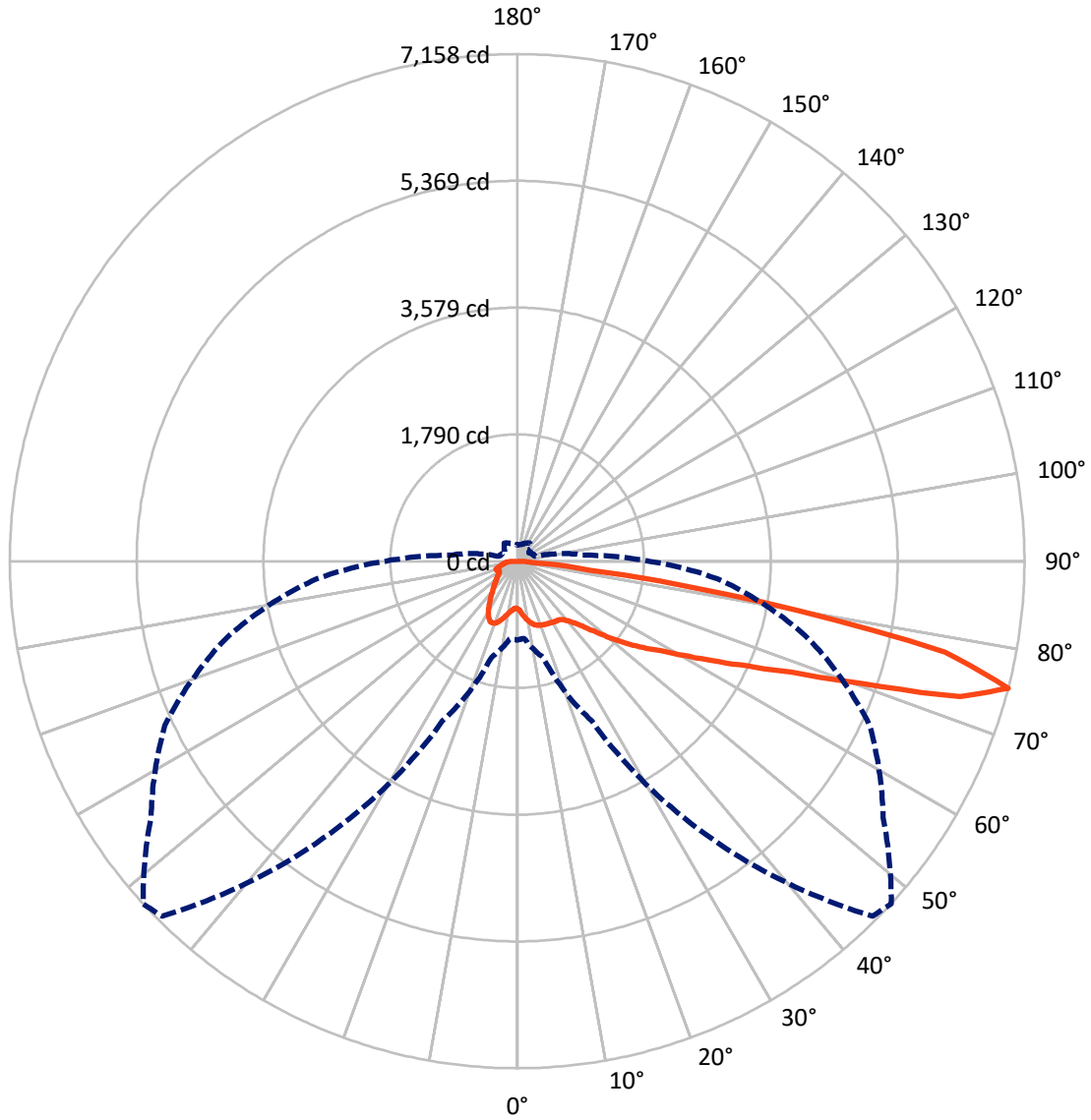
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 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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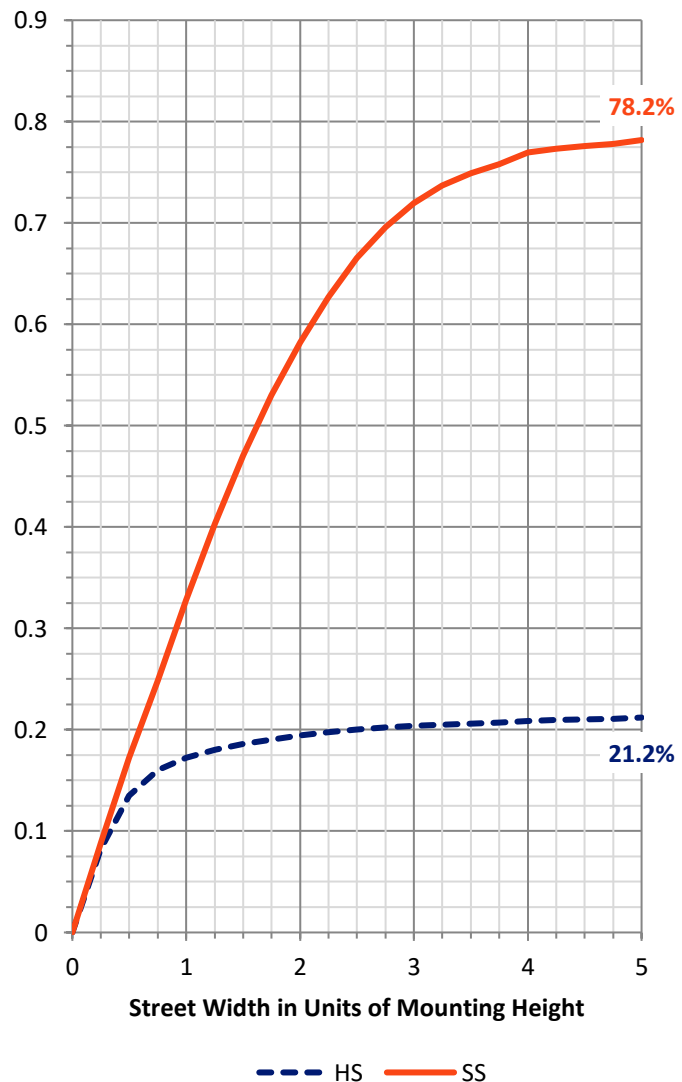
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1786.7	0.0	1786.7
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	6445.0	0.0	6445.0
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	8231.7	0.0	8231.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.4	0.9
10°-20°	252.8	3.1
20°-30°	433.2	5.3
30°-40°	601.3	7.3
40°-50°	872.9	10.6
50°-60°	1380.2	16.8
60°-70°	2311.7	28.1
70°-80°	2069.8	25.1
80°-90°	238.5	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°	8231.7	100.0
0°-180°	8231.7	100.0

**Coefficient of Utilization**

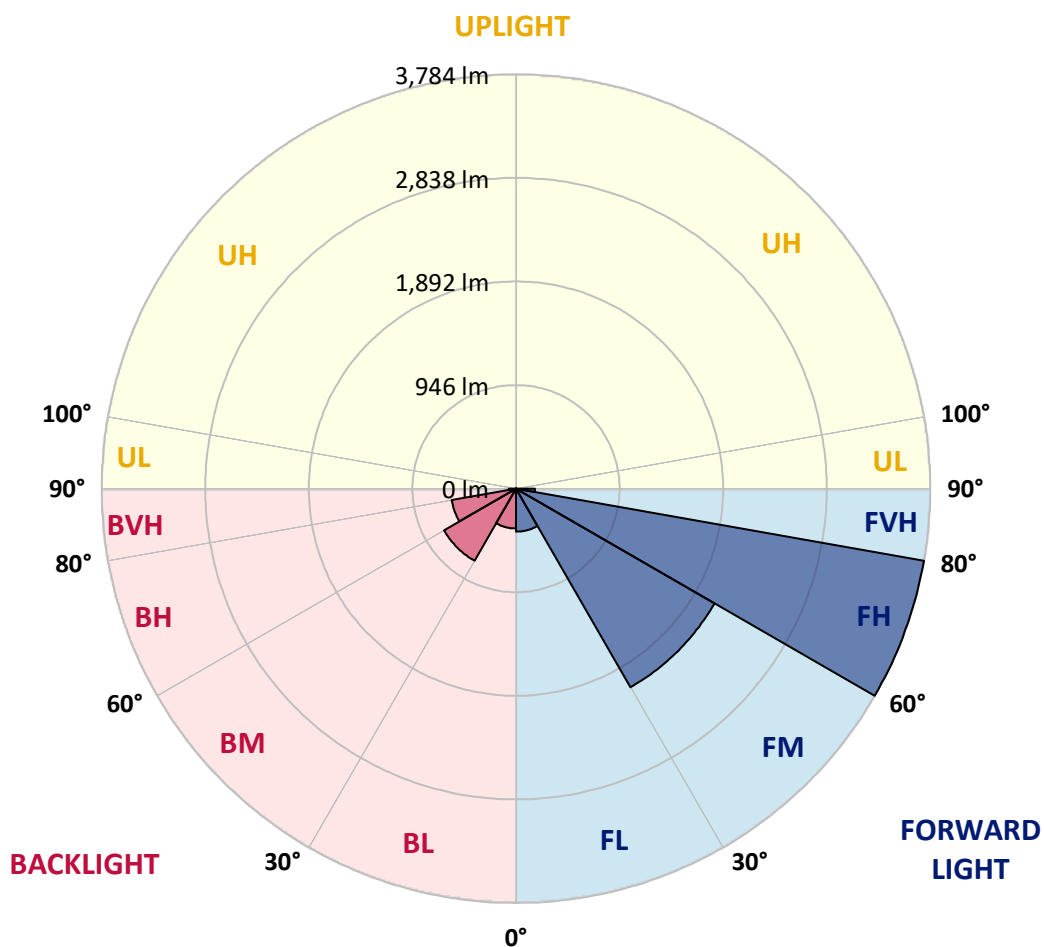


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	393.3	4.8			
FM (30°-60°)	2094.6	25.4			
FH (60°-80°)	3784.4	46.0			G2/5000
FVH (80°-90°)	172.7	2.1			G2/225
BL (0°-30°)	364.0	4.4	B1/500		
BM (30°-60°)	759.8	9.2	B1/1000		
BH (60°-80°)	597.1	7.3	B2/1000		G2/1000
BVH (80°-90°)	65.8	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-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°	670.3	670.3	670.3	670.3	670.3	670.3	670.3	670.3	670.3	670.3	670.3
2.5°	724.1	715.8	711.7	707.6	703.4	695.1	695.1	691.0	686.9	678.6	674.5
5°	819.3	806.9	798.6	790.3	773.8	757.2	748.9	732.4	715.8	695.1	682.7
7.5°	897.9	893.8	881.3	864.8	840.0	815.1	806.9	786.2	761.4	728.3	707.6
10°	960.0	955.8	939.3	918.6	889.6	864.8	856.5	840.0	811.0	773.8	744.8
12.5°	1013.8	1009.6	988.9	960.0	926.9	906.2	897.9	885.5	856.5	823.4	786.2
15°	1042.7	1038.6	1022.0	984.8	951.7	935.1	931.0	922.7	902.0	868.9	827.6
17.5°	1034.4	1034.4	1017.9	984.8	960.0	955.8	951.7	951.7	935.1	910.3	864.8
20°	997.2	993.1	993.1	964.1	955.8	964.1	964.1	972.4	964.1	947.6	902.0
22.5°	964.1	960.0	960.0	943.4	947.6	968.2	972.4	984.8	984.8	972.4	926.9
25°	951.7	943.4	947.6	931.0	943.4	976.5	980.7	997.2	997.2	984.8	943.4
27.5°	951.7	943.4	947.6	931.0	947.6	980.7	988.9	1009.6	1005.5	984.8	951.7
30°	972.4	964.1	964.1	943.4	960.0	993.1	997.2	1017.9	1013.8	997.2	972.4
32.5°	1117.2	1104.8	1046.9	980.7	980.7	1005.5	1009.6	1030.3	1038.6	1017.9	1001.3
35°	1344.8	1336.5	1249.6	1096.5	1022.0	1017.9	1017.9	1055.1	1080.0	1055.1	1030.3
37.5°	1638.6	1605.5	1493.7	1291.0	1125.5	1051.0	1046.9	1088.2	1133.8	1108.9	1067.5
40°	1886.8	1862.0	1742.0	1518.6	1266.2	1125.5	1108.9	1137.9	1191.7	1162.7	1125.5
42.5°	2081.3	2060.6	1990.3	1762.7	1440.0	1224.8	1191.7	1191.7	1253.8	1228.9	1187.5
45°	2230.3	2226.1	2188.9	1986.1	1634.4	1373.7	1324.1	1270.3	1336.5	1324.1	1270.3
47.5°	2304.7	2300.6	2337.9	2176.5	1849.6	1568.2	1489.6	1382.0	1452.4	1452.4	1398.6
50°	2371.0	2383.4	2449.6	2379.2	2097.9	1799.9	1700.6	1531.0	1609.6	1638.6	1564.1
52.5°	2478.5	2519.9	2582.0	2577.8	2395.8	2048.2	1924.1	1704.8	1816.5	1886.8	1816.5
55°	2693.7	2689.6	2730.9	2805.4	2714.4	2304.7	2155.8	1928.2	2110.3	2226.1	2155.8
57.5°	2826.1	2826.1	2913.0	3070.2	3086.8	2582.0	2387.5	2217.9	2486.8	2631.6	2610.9
60°	3033.0	3033.0	3148.9	3364.0	3455.1	2884.0	2702.0	2569.6	2929.6	3099.2	3227.5
62.5°	3144.7	3165.4	3359.9	3628.8	3744.7	3252.3	3086.8	3041.3	3434.4	3624.7	3980.6
65°	3107.5	3144.7	3550.2	3848.1	4104.7	3695.0	3562.6	3537.8	3959.9	4158.5	4783.3
67.5°	3165.4	3190.2	3645.4	4154.3	4543.3	4274.3	4170.9	4133.7	4526.7	4576.4	5375.0
70°	2999.9	3008.2	3417.8	4348.8	5217.8	5312.9	5168.1	4969.5	5118.4	4907.4	5495.0
72.5°	2383.4	2383.4	2755.8	3856.4	5441.2	6620.5	6537.7	5933.6	5590.2	4899.1	4605.4
75°	1113.1	1092.4	1402.7	2490.9	4779.1	7088.0	7158.4	6306.0	5486.7	4266.1	2834.4
77.5°	289.6	285.5	422.1	922.7	2660.6	5875.7	6173.6	5135.0	4179.2	2532.3	1051.0
80°	153.1	153.1	198.6	289.6	922.7	3119.9	3492.3	2706.1	1891.0	902.0	331.0
82.5°	74.5	78.6	128.3	182.1	413.8	856.5	1038.6	906.2	575.2	351.7	202.8
85°	33.1	37.2	66.2	107.6	244.1	186.2	198.6	264.8	331.0	252.4	111.7
87.5°	12.4	12.4	20.7	33.1	86.9	62.1	62.1	107.6	190.3	157.2	45.5
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°	670.3	670.3	670.3	670.3	670.3	670.3	670.3	670.3	670.3	670.3	670.3
2.5°	674.5	670.3	666.2	666.2	662.0	662.0	662.0	666.2	666.2	666.2	666.2
5°	678.6	674.5	670.3	670.3	674.5	682.7	686.9	695.1	699.3	703.4	707.6
7.5°	703.4	695.1	691.0	691.0	699.3	711.7	720.0	732.4	744.8	753.1	757.2
10°	736.5	728.3	720.0	728.3	736.5	748.9	765.5	777.9	790.3	798.6	806.9
12.5°	773.8	761.4	757.2	765.5	782.0	798.6	815.1	827.6	840.0	852.4	856.5
15°	811.0	802.7	798.6	811.0	831.7	852.4	868.9	881.3	889.6	902.0	902.0
17.5°	852.4	844.1	840.0	856.5	881.3	897.9	910.3	914.5	914.5	922.7	922.7
20°	885.5	877.2	877.2	897.9	918.6	931.0	926.9	922.7	914.5	922.7	922.7
22.5°	914.5	906.2	906.2	926.9	943.4	939.3	922.7	910.3	902.0	910.3	910.3
25°	931.0	931.0	939.3	947.6	939.3	926.9	906.2	897.9	885.5	889.6	893.8
27.5°	943.4	951.7	964.1	951.7	910.3	881.3	864.8	864.8	856.5	860.7	873.1
30°	972.4	980.7	984.8	939.3	860.7	815.1	794.5	806.9	823.4	827.6	840.0
32.5°	1005.5	1022.0	1005.5	910.3	798.6	736.5	715.8	744.8	782.0	798.6	819.3
35°	1042.7	1071.7	1022.0	877.2	736.5	653.8	645.5	670.3	703.4	732.4	757.2
37.5°	1096.5	1133.8	1046.9	831.7	662.0	587.6	571.0	579.3	591.7	608.3	620.7
40°	1158.6	1204.1	1067.5	769.6	579.3	529.6	504.8	484.1	475.8	467.6	475.8
42.5°	1237.2	1295.1	1088.2	699.3	529.6	484.1	442.7	417.9	401.4	376.5	376.5
45°	1332.4	1402.7	1096.5	628.9	492.4	438.6	397.2	376.5	351.7	318.6	318.6
47.5°	1464.8	1559.9	1092.4	558.6	455.2	397.2	368.3	343.4	314.5	289.6	289.6
50°	1659.3	1733.7	1067.5	484.1	409.6	368.3	343.4	314.5	285.5	273.1	269.0
52.5°	1957.2	1961.3	1013.8	417.9	372.4	343.4	318.6	293.8	273.1	264.8	260.7
55°	2428.9	2288.2	914.5	364.1	339.3	322.7	306.2	285.5	264.8	256.5	252.4
57.5°	3037.1	2776.5	864.8	331.0	302.1	302.1	297.9	281.4	260.7	248.3	244.1
60°	3906.1	3388.8	815.1	310.3	277.2	293.8	293.8	281.4	260.7	260.7	256.5
62.5°	4737.8	4017.8	657.9	297.9	264.8	293.8	314.5	310.3	310.3	331.0	331.0
65°	5408.1	4406.7	480.0	289.6	260.7	310.3	347.6	347.6	314.5	326.9	318.6
67.5°	5581.9	4394.3	360.0	281.4	256.5	339.3	384.8	339.3	289.6	297.9	289.6
70°	4986.0	3645.4	322.7	273.1	252.4	339.3	372.4	322.7	277.2	285.5	264.8
72.5°	3616.4	2284.1	289.6	260.7	231.7	306.2	343.4	302.1	260.7	256.5	235.9
75°	1866.1	955.8	260.7	240.0	202.8	260.7	314.5	281.4	244.1	235.9	227.6
77.5°	608.3	368.3	235.9	219.3	177.9	231.7	289.6	260.7	223.4	206.9	202.8
80°	264.8	248.3	202.8	194.5	153.1	198.6	269.0	240.0	198.6	177.9	173.8
82.5°	186.2	169.6	161.4	157.2	128.3	194.5	269.0	235.9	186.2	182.1	149.0
85°	103.4	99.3	111.7	103.4	91.0	161.4	202.8	161.4	115.9	95.2	95.2
87.5°	37.2	45.5	53.8	49.7	45.5	82.8	107.6	91.0	62.1	49.7	49.7
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)