

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: P565388

Luminaire Tested: **IFLD-L-SA8A-AMB-U-T3R-HSS**

Issue Date: 09/02/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P565388  
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-T3R-HSS  
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square  
Luminaire w/ T3R distribution lens and House Side Shield  
Light Source: (128) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

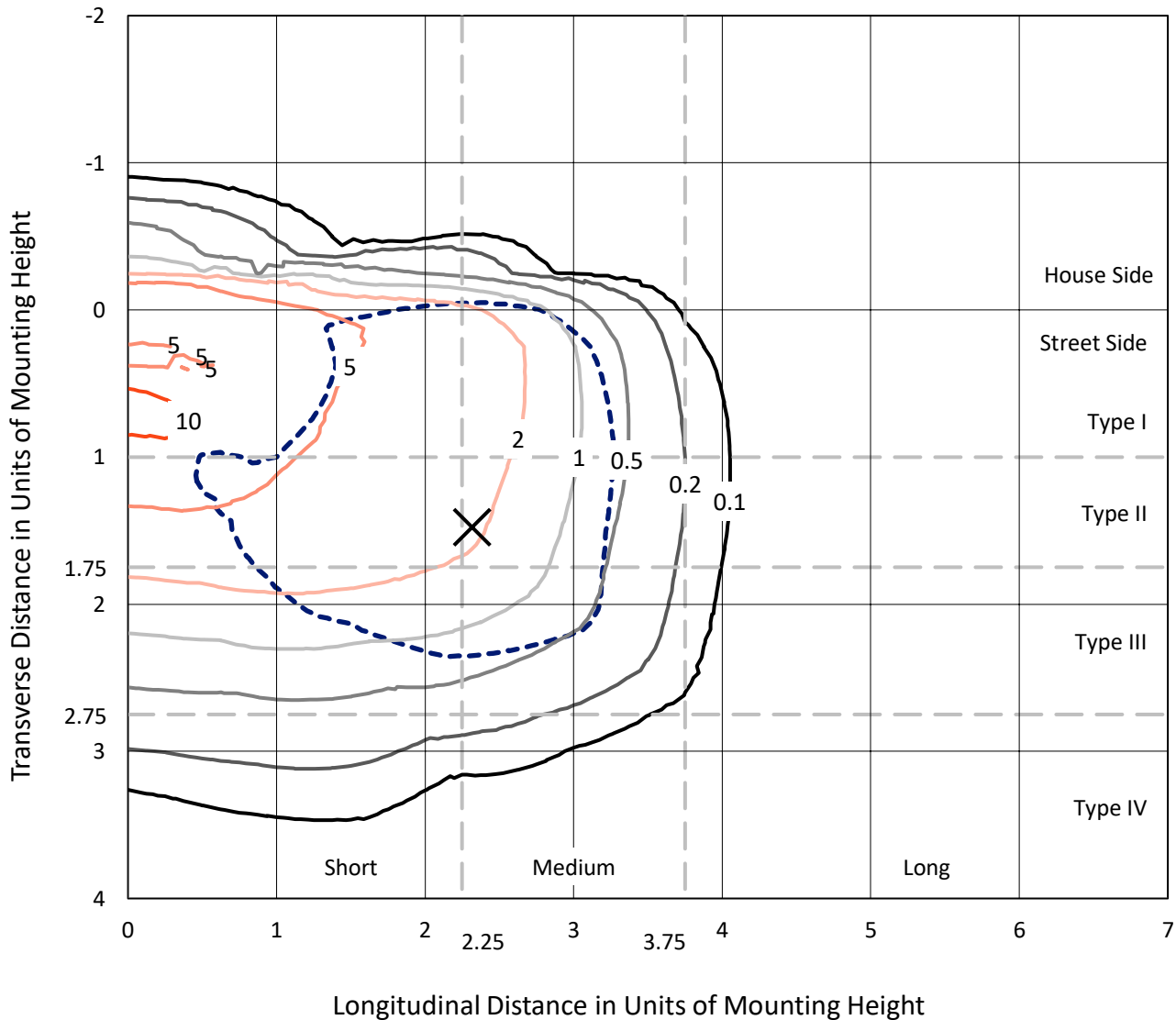
Lumens per Lamp: N/A  
Luminaire Lumens: 5835.5 lumens  
Efficiency: N/A  
Efficacy: 36.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

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

REPORT NUMBER: P565388  
 CATALOG NUMBER: IFLD-L-SA8A-AMB-U-T3R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

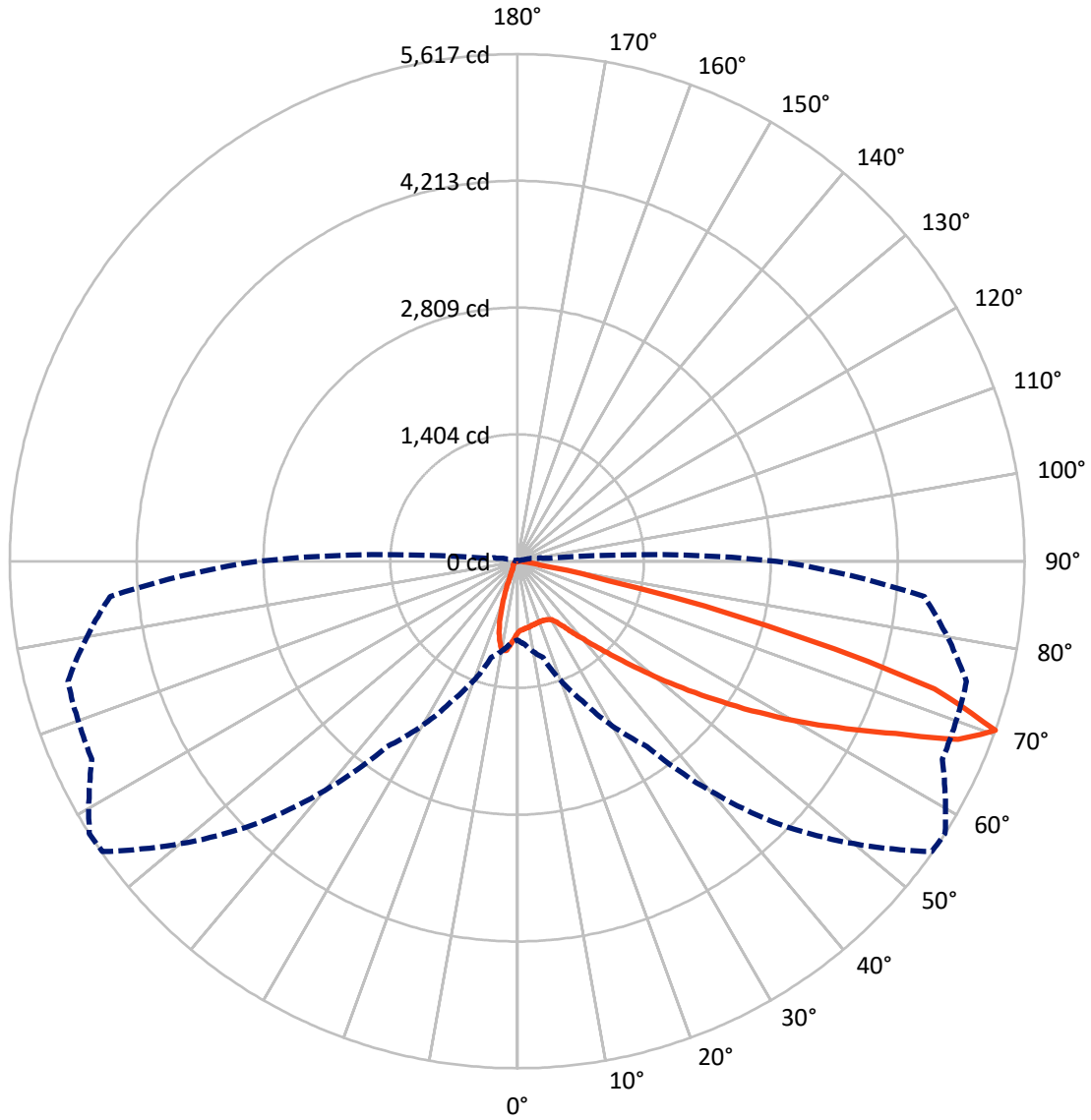
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.6 fc  
 Type III - Medium - N/A

REPORT NUMBER: P565388  
CATALOG NUMBER: IFLD-L-SA8A-AMB-U-T3R-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 57.5-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P565388  
 CATALOG NUMBER: IFLD-L-SA8A-AMB-U-T3R-HSS

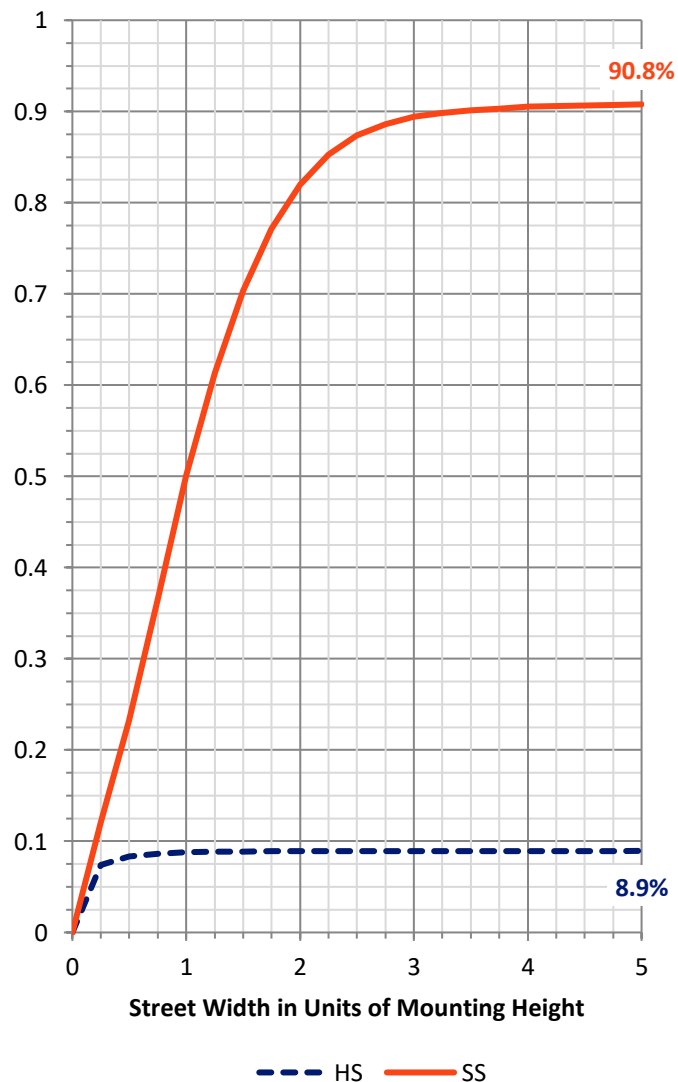
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	524.8	0.0	524.8
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	5310.8	0.0	5310.8
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	5835.5	0.0	5835.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.3	1.3
10°-20°	181.0	3.1
20°-30°	288.4	4.9
30°-40°	530.4	9.1
40°-50°	873.3	15.0
50°-60°	1288.7	22.1
60°-70°	1784.2	30.6
70°-80°	790.4	13.5
80°-90°	22.9	0.4
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°	5835.5	100.0
0°-180°	5835.5	100.0

**Coefficient of Utilization**

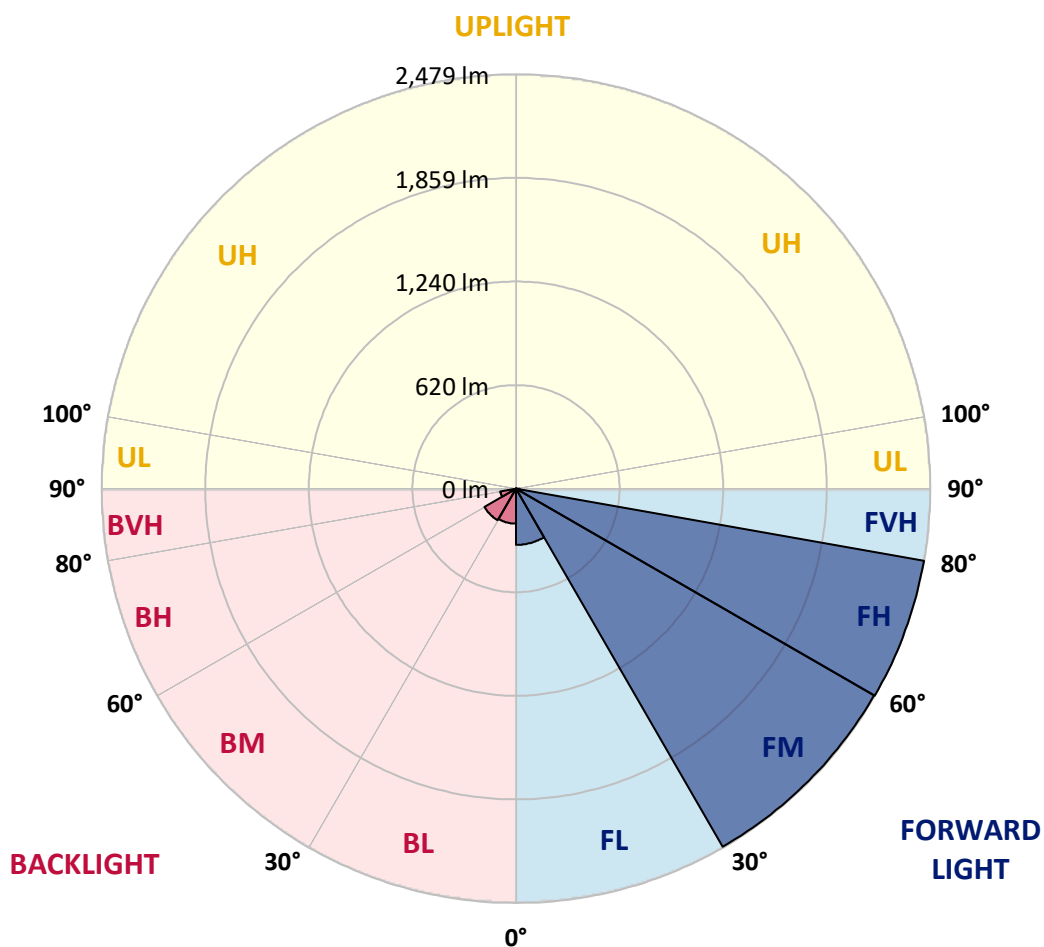


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 CATALOG NUMBER: IFLD-L-SA8A-AMB-U-T3R-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	336.2	5.8			
FM (30°-60°)	2474.2	42.4			
FH (60°-80°)	2479.1	42.5			G2/5000
FVH (80°-90°)	21.2	0.4			G1/100
BL (0°-30°)	209.5	3.6	B1/500		
BM (30°-60°)	218.1	3.7	B0/220		
BH (60°-80°)	95.4	1.6	B0/110		G0/110
BVH (80°-90°)	1.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type III Medium





REPORT NUMBER: P565388

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57.5°	65°	75°	85°
0°	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4
2.5°	732.7	736.1	739.6	743.1	750.1	753.6	767.5	767.5	774.5	781.5	802.4
5°	669.9	673.3	680.3	697.8	715.2	732.7	753.6	757.1	771.0	795.4	819.9
7.5°	603.6	607.1	621.0	635.0	662.9	697.8	739.6	746.6	778.0	812.9	851.3
10°	554.7	551.2	561.7	575.7	607.1	662.9	725.7	739.6	788.5	837.3	893.1
12.5°	537.3	537.3	540.8	551.2	572.2	628.0	711.7	729.2	792.0	865.2	942.0
15°	523.3	523.3	526.8	530.3	554.7	607.1	701.3	725.7	802.4	893.1	983.8
17.5°	519.8	516.3	516.3	516.3	537.3	593.1	690.8	718.7	816.4	917.6	1018.7
20°	558.2	551.2	530.3	519.8	530.3	579.1	687.3	715.2	826.8	935.0	1036.2
22.5°	743.1	718.7	659.4	582.6	544.3	575.7	680.3	715.2	837.3	952.4	1053.6
25°	1085.0	1050.1	935.0	767.5	628.0	593.1	683.8	722.2	851.3	962.9	1067.6
27.5°	1444.4	1413.0	1283.9	1046.6	788.5	645.4	694.3	732.7	872.2	987.3	1106.0
30°	1730.5	1720.0	1594.4	1339.7	1015.2	771.0	725.7	753.6	907.1	1036.2	1154.8
32.5°	1943.3	1939.8	1842.1	1611.8	1269.9	935.0	795.4	809.4	966.4	1071.1	1189.7
35°	2110.7	2100.3	2023.5	1835.1	1524.6	1137.4	903.6	889.6	1015.2	1109.4	1228.1
37.5°	2215.4	2225.9	2187.5	2051.4	1768.8	1357.1	1053.6	1011.8	1057.1	1144.3	1294.4
40°	2264.2	2281.7	2348.0	2309.6	2044.4	1583.9	1193.2	1137.4	1126.9	1217.6	1406.0
42.5°	2292.2	2327.0	2473.6	2553.8	2330.5	1824.7	1374.6	1304.8	1249.0	1332.7	1563.0
45°	2368.9	2403.8	2560.8	2714.3	2578.2	2068.9	1580.4	1503.7	1413.0	1479.3	1772.3
47.5°	2424.7	2456.1	2595.7	2801.5	2738.7	2316.6	1828.1	1747.9	1636.3	1671.1	2027.0
50°	2470.1	2501.5	2662.0	2836.4	2829.4	2525.9	2103.8	2037.5	1925.8	1929.3	2323.6
52.5°	2449.1	2494.5	2672.4	2846.9	2839.9	2665.5	2449.1	2375.9	2278.2	2285.2	2696.9
55°	2044.4	2117.7	2578.2	2825.9	2885.3	2801.5	2798.0	2742.2	2700.3	2721.3	3070.2
57.5°	1915.4	1953.7	2274.7	2808.5	3007.4	3049.2	3171.3	3167.8	3153.9	3171.3	3335.3
60°	1845.6	1890.9	2173.5	2805.0	3213.2	3415.6	3617.9	3610.9	3569.1	3600.5	3722.6
62.5°	1674.6	1723.5	2030.5	2735.2	3405.1	3841.2	4099.4	4081.9	3991.2	4113.3	4284.3
65°	1458.3	1507.2	1817.7	2511.9	3464.4	4200.5	4608.7	4605.2	4518.0	4758.7	4912.3
67.5°	1189.7	1238.5	1500.2	2225.9	3167.8	4395.9	5268.1	5268.1	5079.7	5310.0	5184.4
70°	872.2	924.5	1106.0	1709.5	2505.0	4130.8	5606.5	5617.0	5194.8	5149.5	4525.0
72.5°	443.1	502.4	753.6	1154.8	1671.1	3258.6	4856.4	4832.0	4280.8	3638.8	2675.9
75°	184.9	209.3	397.7	655.9	697.8	1611.8	2902.7	2864.3	2163.1	1552.5	882.7
77.5°	80.2	83.7	153.5	275.6	226.8	397.7	1067.6	1036.2	701.3	362.8	198.9
80°	59.3	69.8	129.1	122.1	80.2	104.7	258.2	254.7	167.5	90.7	55.8
82.5°	27.9	38.4	101.2	76.8	34.9	45.4	90.7	90.7	66.3	45.4	27.9
85°	10.5	14.0	59.3	48.8	17.4	14.0	38.4	38.4	31.4	20.9	10.5
87.5°	0.0	0.0	27.9	14.0	7.0	3.5	7.0	7.0	7.0	7.0	7.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P565388

CATALOG NUMBER: IFLD-L-SA8A-AMB-U-T3R-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4
2.5°	809.4	816.4	826.8	844.3	854.8	865.2	865.2	875.7	872.2	875.7	872.2
5°	837.3	847.8	886.2	914.1	928.0	942.0	928.0	921.0	910.6	896.6	893.1
7.5°	879.2	907.1	973.4	997.8	997.8	952.4	886.2	830.3	795.4	771.0	757.1
10°	938.5	980.4	1050.1	1060.6	987.3	851.3	729.2	638.5	589.6	547.7	540.8
12.5°	990.8	1046.6	1123.4	1060.6	872.2	690.8	533.8	404.7	345.4	307.0	300.0
15°	1046.6	1119.9	1172.2	997.8	729.2	495.4	321.0	198.9	160.5	146.5	143.0
17.5°	1099.0	1186.2	1189.7	882.7	554.7	300.0	153.5	122.1	115.1	118.6	118.6
20°	1137.4	1228.1	1144.3	746.6	359.3	153.5	115.1	111.6	111.6	111.6	111.6
22.5°	1172.2	1256.0	1064.1	582.6	202.4	111.6	108.2	108.2	108.2	108.2	108.2
25°	1196.7	1269.9	952.4	408.2	118.6	101.2	101.2	101.2	101.2	104.7	104.7
27.5°	1242.0	1287.4	844.3	247.7	97.7	94.2	94.2	94.2	94.2	97.7	97.7
30°	1294.4	1304.8	729.2	139.6	90.7	83.7	83.7	83.7	83.7	83.7	83.7
32.5°	1332.7	1294.4	575.7	101.2	83.7	76.8	73.3	69.8	66.3	66.3	66.3
35°	1381.6	1290.9	411.7	90.7	80.2	69.8	62.8	59.3	52.3	48.8	48.8
37.5°	1447.9	1269.9	261.7	83.7	73.3	62.8	55.8	48.8	38.4	38.4	38.4
40°	1538.6	1256.0	167.5	80.2	69.8	59.3	45.4	38.4	31.4	31.4	31.4
42.5°	1660.7	1235.0	115.1	76.8	66.3	52.3	38.4	31.4	24.4	20.9	20.9
45°	1768.8	1193.2	94.2	73.3	59.3	45.4	31.4	24.4	17.4	17.4	17.4
47.5°	1870.0	1116.4	87.2	66.3	52.3	34.9	24.4	17.4	14.0	14.0	14.0
50°	2006.1	1004.8	83.7	62.8	45.4	27.9	20.9	14.0	14.0	14.0	14.0
52.5°	2166.6	886.2	76.8	55.8	38.4	24.4	17.4	14.0	10.5	10.5	10.5
55°	2323.6	746.6	66.3	48.8	34.9	20.9	14.0	14.0	10.5	10.5	7.0
57.5°	2442.2	655.9	55.8	41.9	27.9	17.4	14.0	10.5	10.5	7.0	7.0
60°	2665.5	655.9	45.4	34.9	24.4	17.4	14.0	10.5	7.0	7.0	7.0
62.5°	3007.4	687.3	34.9	27.9	17.4	14.0	10.5	10.5	7.0	3.5	3.5
65°	3394.6	687.3	31.4	20.9	14.0	10.5	10.5	7.0	3.5	3.5	3.5
67.5°	3478.3	586.1	27.9	17.4	10.5	10.5	7.0	7.0	3.5	0.0	0.0
70°	2878.3	348.9	24.4	14.0	10.5	7.0	7.0	3.5	0.0	0.0	0.0
72.5°	1632.8	139.6	20.9	10.5	7.0	7.0	3.5	3.5	0.0	0.0	0.0
75°	502.4	52.3	17.4	10.5	7.0	3.5	3.5	3.5	0.0	0.0	0.0
77.5°	111.6	31.4	14.0	7.0	7.0	3.5	3.5	0.0	0.0	0.0	0.0
80°	38.4	20.9	14.0	7.0	3.5	3.5	3.5	0.0	0.0	0.0	0.0
82.5°	20.9	14.0	14.0	7.0	3.5	3.5	3.5	0.0	0.0	0.0	0.0
85°	10.5	7.0	7.0	3.5	3.5	3.5	0.0	0.0	0.0	0.0	0.0
87.5°	7.0	3.5	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)