

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: P565404

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

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565404  
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-HSS  
Description: STREETWORKS INFRASTRUCTURE FLOOD – Middle Tier Light Square  
Luminaire w/ T4W distribution lens and House Side Shield  
Light Source: (128) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

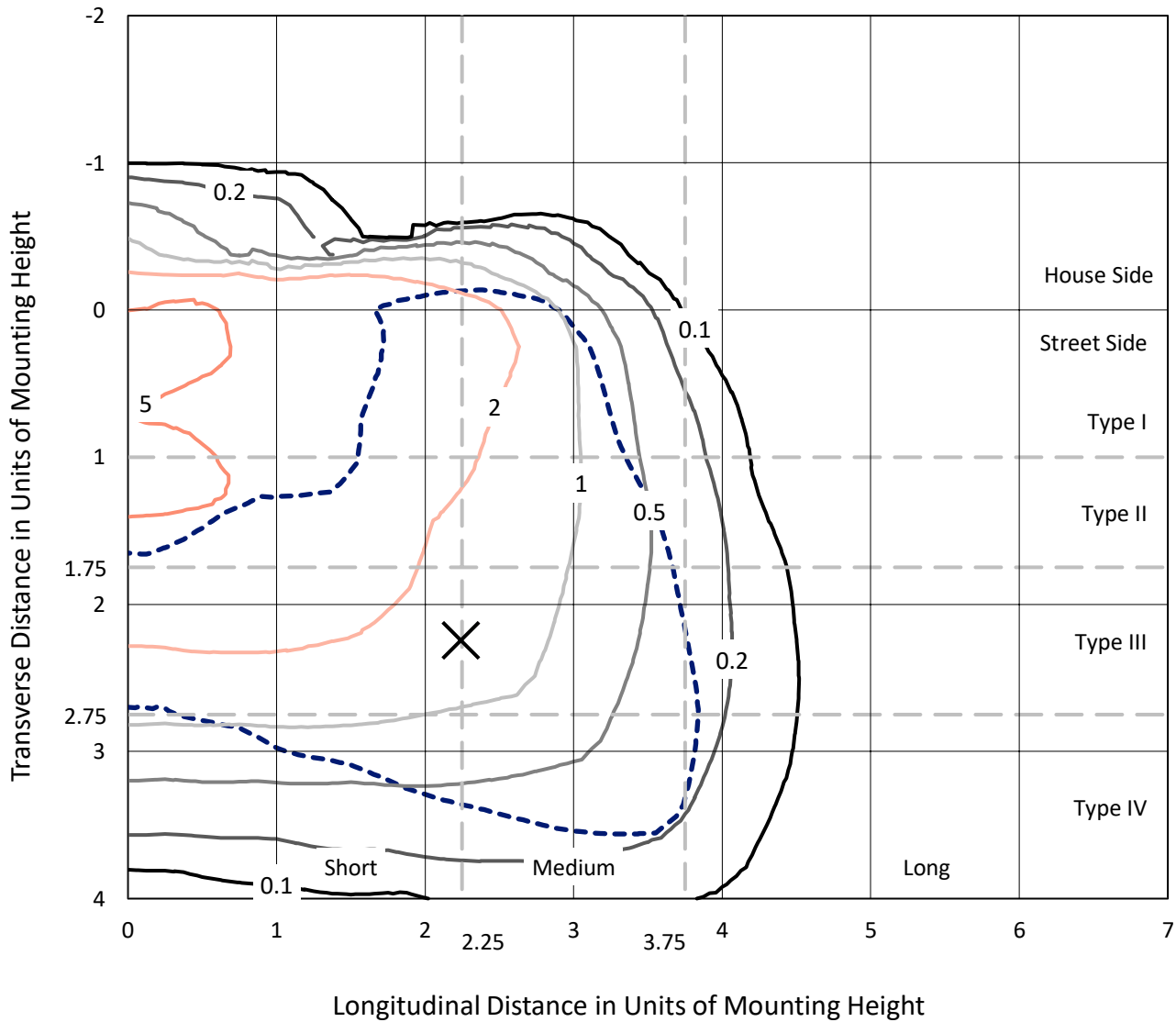
Lumens per Lamp: N/A  
Luminaire Lumens: 6007.4 lumens  
Efficiency: N/A  
Efficacy: 37.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

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

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### Iso-Footcandle Lines of Horizontal Illumination

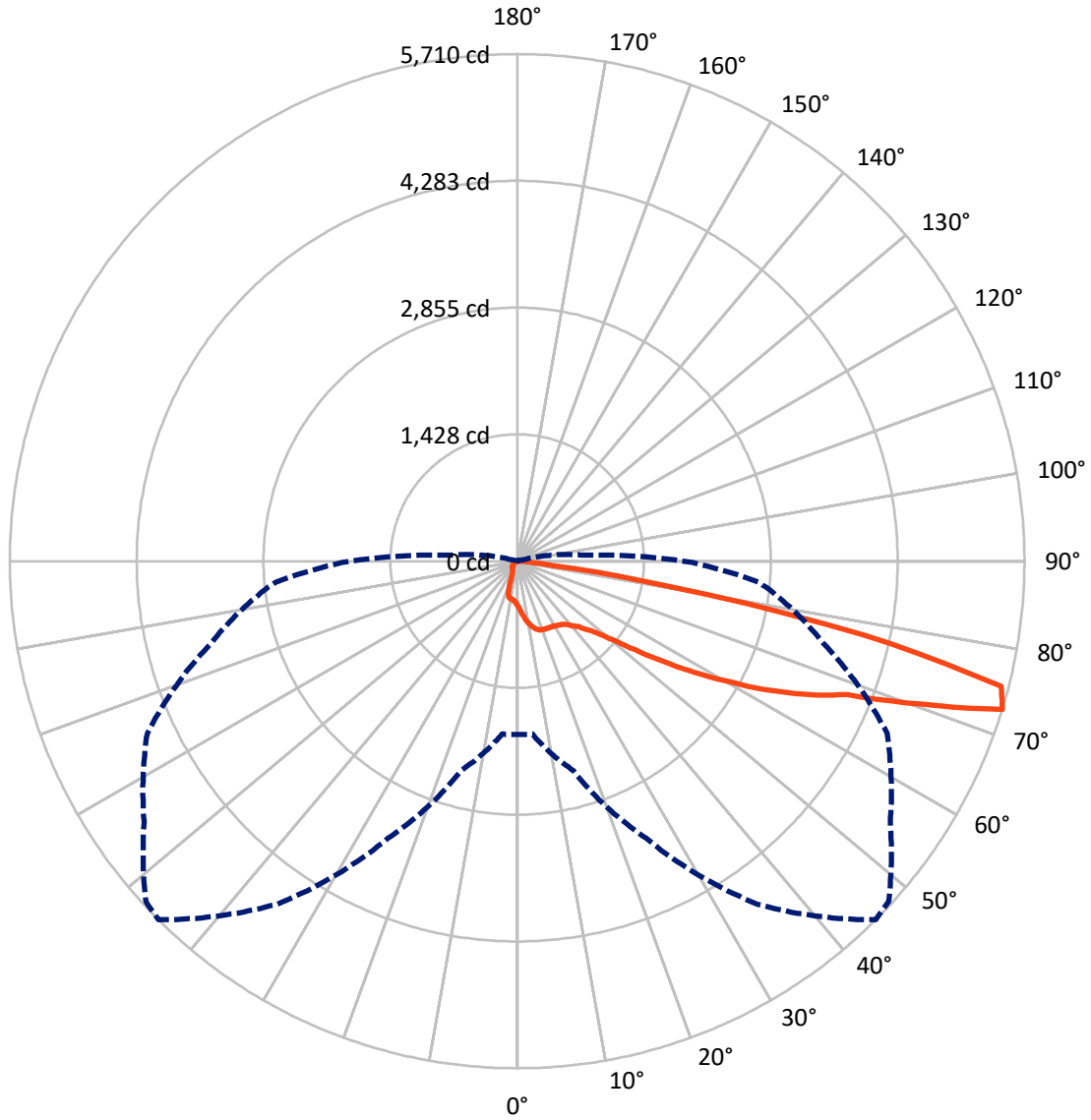
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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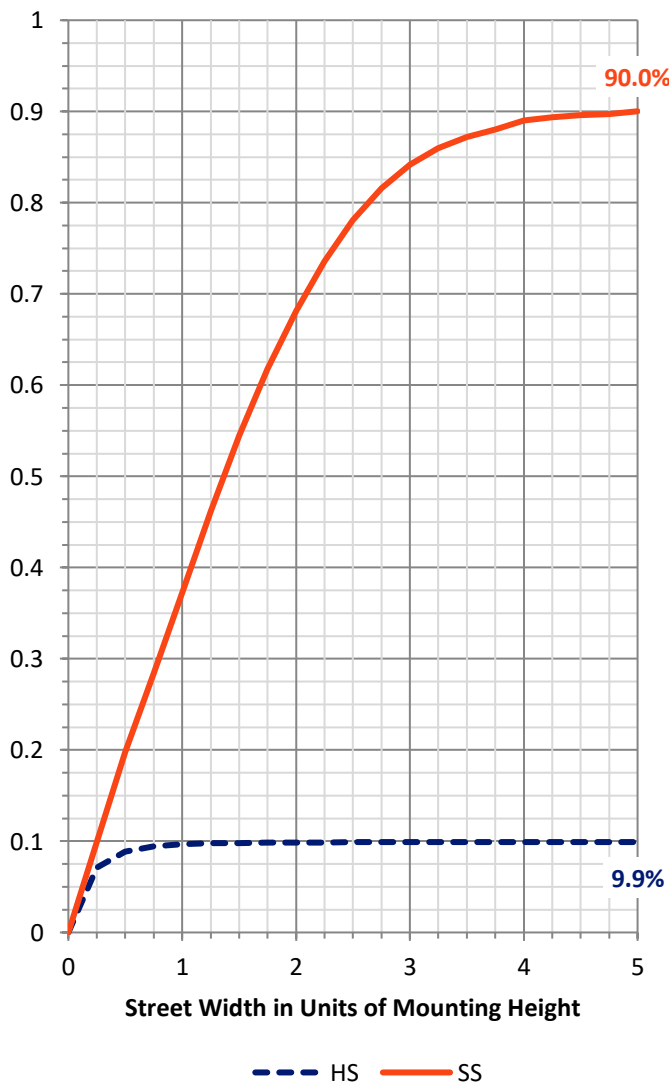
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	600.8	0.0	600.8
	% Fixture	10.0	0.0	10.0
<b>Street Side</b>	Lumens	5406.6	0.0	5406.6
	% Fixture	90.0	0.0	90.0
<b>Total</b>	Lumens	6007.4	0.0	6007.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.7	0.9
10°-20°	162.9	2.7
20°-30°	253.9	4.2
30°-40°	361.4	6.0
40°-50°	622.2	10.4
50°-60°	1149.6	19.1
60°-70°	1930.8	32.1
70°-80°	1396.3	23.2
80°-90°	78.6	1.3
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°	6007.4	100.0
0°-180°	6007.4	100.0

**Coefficient of Utilization**

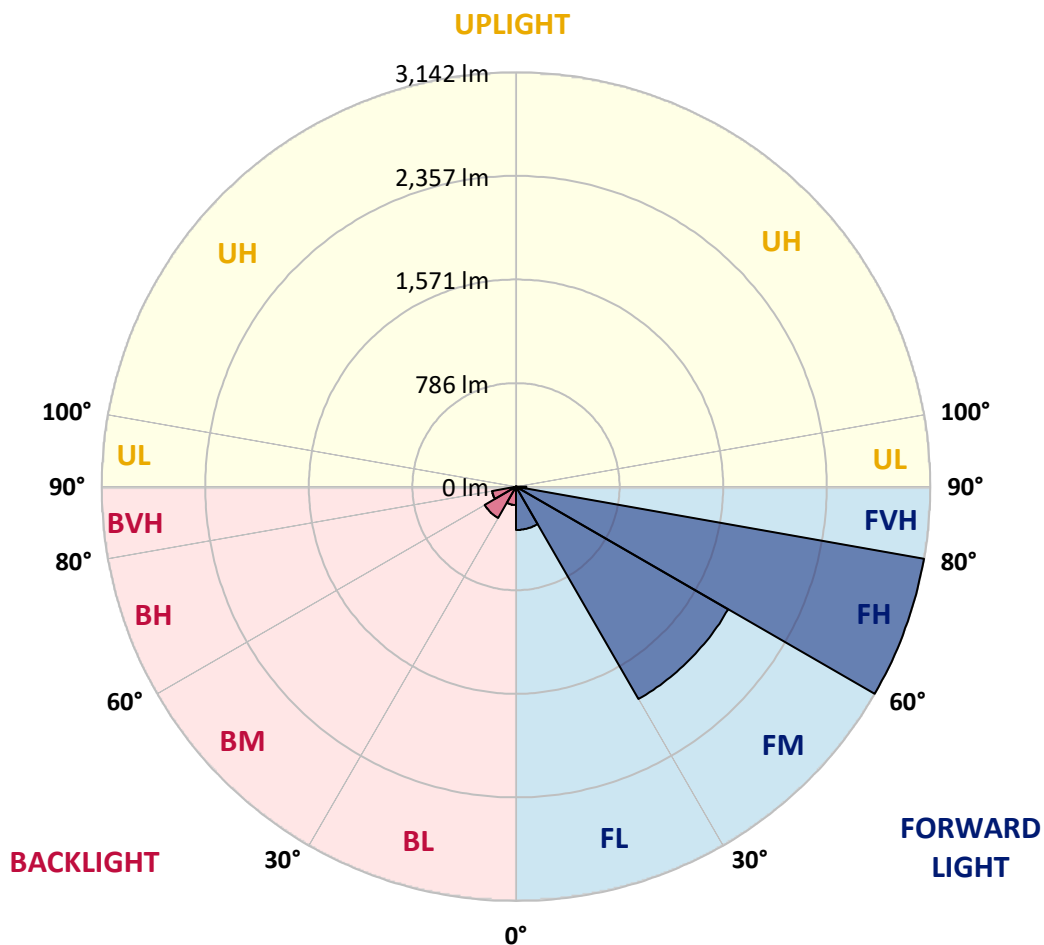


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	328.4	5.5			
FM (30°-60°)	1859.0	30.9			
FH (60°-80°)	3142.2	52.3			G2/5000
FVH (80°-90°)	77.0	1.3			G1/100
BL (0°-30°)	140.0	2.3	B1/500		
BM (30°-60°)	274.2	4.6	B1/1000		
BH (60°-80°)	185.0	3.1	B1/500		G1/500
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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47.5°	55°	65°	75°	85°
0°	497.4	497.4	497.4	497.4	497.4	497.4	497.4	497.4	497.4	497.4	497.4
2.5°	564.0	556.1	556.1	556.1	548.3	536.6	536.6	532.6	524.8	513.1	505.2
5°	661.9	650.1	646.2	634.5	614.9	595.3	591.4	575.7	556.1	532.6	513.1
7.5°	744.1	740.2	732.4	712.8	689.3	658.0	650.1	630.5	599.2	567.9	536.6
10°	810.7	806.8	795.0	771.5	740.2	712.8	705.0	685.4	650.1	611.0	571.8
12.5°	865.5	861.6	845.9	814.6	783.3	755.9	748.0	732.4	697.1	658.0	607.0
15°	896.9	896.9	881.2	842.0	810.7	791.1	787.2	771.5	740.2	697.1	642.3
17.5°	896.9	892.9	877.3	842.0	822.4	814.6	810.7	802.9	775.5	736.3	677.5
20°	857.7	857.7	853.8	830.3	818.5	822.4	822.4	822.4	802.9	767.6	705.0
22.5°	826.4	822.4	822.4	806.8	810.7	826.4	826.4	830.3	818.5	791.1	732.4
25°	810.7	806.8	810.7	795.0	802.9	830.3	834.2	842.0	834.2	810.7	755.9
27.5°	806.8	802.9	806.8	795.0	806.8	834.2	842.0	853.8	845.9	818.5	771.5
30°	814.6	806.8	810.7	799.0	814.6	845.9	849.9	869.4	861.6	838.1	802.9
32.5°	853.8	834.2	830.3	810.7	830.3	857.7	865.5	889.0	896.9	869.4	834.2
35°	943.9	892.9	865.5	842.0	853.8	873.4	881.2	920.4	943.9	908.6	865.5
37.5°	1061.4	990.9	928.2	889.0	885.1	904.7	912.5	959.5	994.8	959.5	912.5
40°	1323.8	1284.6	1163.2	975.2	928.2	955.6	963.4	1010.4	1073.1	1018.3	971.3
42.5°	1707.6	1672.3	1531.3	1218.0	990.9	1006.5	1014.4	1069.2	1143.6	1100.5	1045.7
45°	2036.5	2028.7	1907.3	1535.2	1127.9	1096.6	1108.3	1147.5	1237.6	1206.3	1135.8
47.5°	2146.2	2146.2	2150.1	1872.1	1366.8	1202.3	1210.2	1261.1	1366.8	1343.3	1265.0
50°	2208.9	2212.8	2279.4	2158.0	1688.0	1390.3	1362.9	1406.0	1543.1	1531.3	1441.2
52.5°	2392.9	2400.8	2447.8	2408.6	2075.7	1656.6	1605.7	1597.9	1778.1	1797.6	1688.0
55°	2620.1	2600.5	2612.3	2667.1	2490.8	1989.5	1899.5	1852.5	2075.7	2146.2	2032.6
57.5°	2757.2	2741.5	2815.9	2949.1	2925.6	2365.5	2236.3	2165.8	2467.3	2526.1	2373.4
60°	2949.1	2929.5	3043.1	3235.0	3321.1	2768.9	2604.4	2537.8	2878.6	2851.2	2823.7
62.5°	3050.9	3070.5	3254.5	3497.4	3626.6	3211.5	3039.1	2976.5	3215.4	3211.5	3376.0
65°	3097.9	3121.4	3501.3	3748.0	3967.3	3626.6	3489.5	3340.7	3540.4	3571.8	4163.2
67.5°	3086.1	3121.4	3567.9	4108.3	4398.1	4010.4	3869.4	3701.0	3924.3	4006.5	4821.1
70°	2819.8	2831.6	3238.9	4139.7	4825.0	4825.0	4742.8	4437.3	4464.7	4190.6	4425.6
72.5°	1954.3	1954.3	2439.9	3446.5	4715.4	5710.1	5671.0	5126.6	4594.0	3563.9	2733.7
75°	661.9	685.4	1077.0	2028.7	3783.3	5627.9	5643.6	4879.9	3650.1	2044.4	912.5
77.5°	141.0	144.9	254.6	654.0	2134.5	3979.1	4010.4	3184.1	1805.5	626.6	168.4
80°	62.7	66.6	97.9	191.9	638.4	1711.5	1785.9	1370.7	567.9	219.3	58.7
82.5°	23.5	27.4	50.9	101.8	270.2	399.5	426.9	372.1	227.2	160.6	31.3
85°	7.8	7.8	19.6	50.9	113.6	62.7	66.6	133.2	160.6	125.3	15.7
87.5°	0.0	0.0	7.8	15.7	23.5	15.7	15.7	27.4	82.2	90.1	3.9
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°	497.4	497.4	497.4	497.4	497.4	497.4	497.4	497.4	497.4	497.4	497.4
2.5°	501.3	497.4	489.6	481.7	473.9	466.1	462.1	462.1	458.2	458.2	458.2
5°	505.2	497.4	477.8	466.1	454.3	446.5	442.6	442.6	442.6	438.6	438.6
7.5°	520.9	509.1	481.7	462.1	446.5	434.7	426.9	423.0	423.0	423.0	426.9
10°	552.2	532.6	497.4	466.1	442.6	426.9	411.2	403.4	403.4	399.5	399.5
12.5°	583.5	556.1	513.1	473.9	446.5	423.0	387.7	344.6	317.2	301.6	297.6
15°	614.9	583.5	528.7	485.6	450.4	395.6	301.6	227.2	188.0	184.1	180.2
17.5°	646.2	611.0	548.3	497.4	434.7	305.5	188.0	148.8	144.9	156.7	156.7
20°	673.6	638.4	567.9	509.1	364.2	191.9	137.1	137.1	137.1	148.8	152.7
22.5°	701.0	665.8	587.5	497.4	262.4	137.1	129.2	133.2	133.2	144.9	144.9
25°	724.5	693.2	614.9	442.6	156.7	121.4	125.3	129.2	129.2	137.1	141.0
27.5°	744.1	720.6	642.3	356.4	117.5	113.6	117.5	121.4	121.4	129.2	133.2
30°	779.4	759.8	669.7	254.6	109.7	105.7	109.7	113.6	117.5	121.4	125.3
32.5°	818.5	802.9	673.6	156.7	105.7	101.8	97.9	101.8	109.7	113.6	117.5
35°	865.5	861.6	646.2	113.6	101.8	94.0	94.0	90.1	94.0	101.8	105.7
37.5°	920.4	924.3	591.4	105.7	97.9	90.1	86.2	82.2	78.3	82.2	82.2
40°	983.0	998.7	509.1	101.8	94.0	86.2	78.3	70.5	62.7	58.7	62.7
42.5°	1077.0	1096.6	403.4	97.9	94.0	82.2	70.5	58.7	47.0	43.1	43.1
45°	1171.0	1206.3	289.8	97.9	94.0	74.4	58.7	43.1	31.3	27.4	27.4
47.5°	1300.3	1331.6	180.2	97.9	97.9	66.6	47.0	31.3	23.5	19.6	19.6
50°	1496.1	1476.5	129.2	94.0	94.0	54.8	35.2	23.5	15.7	15.7	19.6
52.5°	1789.8	1664.5	109.7	90.1	90.1	47.0	23.5	19.6	15.7	15.7	15.7
55°	2220.6	1860.3	101.8	82.2	74.4	35.2	19.6	15.7	11.7	11.7	11.7
57.5°	2584.8	1993.5	86.2	70.5	50.9	27.4	19.6	15.7	11.7	7.8	7.8
60°	3043.1	2107.0	66.6	54.8	35.2	23.5	19.6	15.7	11.7	7.8	7.8
62.5°	3516.9	2197.1	47.0	39.2	27.4	19.6	15.7	11.7	7.8	3.9	3.9
65°	3986.9	2259.8	35.2	27.4	19.6	15.7	11.7	7.8	7.8	3.9	3.9
67.5°	4171.0	2138.4	31.3	23.5	15.7	15.7	11.7	7.8	3.9	3.9	0.0
70°	3473.9	1570.5	27.4	19.6	15.7	11.7	7.8	3.9	3.9	0.0	0.0
72.5°	1887.7	759.8	23.5	19.6	11.7	7.8	7.8	3.9	3.9	0.0	0.0
75°	540.5	160.6	19.6	15.7	11.7	7.8	3.9	3.9	3.9	0.0	0.0
77.5°	105.7	39.2	15.7	11.7	7.8	3.9	3.9	3.9	0.0	0.0	0.0
80°	47.0	23.5	11.7	7.8	7.8	3.9	3.9	0.0	0.0	0.0	0.0
82.5°	23.5	15.7	11.7	7.8	7.8	3.9	3.9	0.0	0.0	0.0	0.0
85°	7.8	3.9	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0
87.5°	3.9	3.9	0.0	0.0	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)