

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: P483985

Luminaire Tested: **IFLD-S-SA6D-735-U-SL2-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483985  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-735-U-SL2-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2  
distribution lens with House Side Shield  
Light Source: (96) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

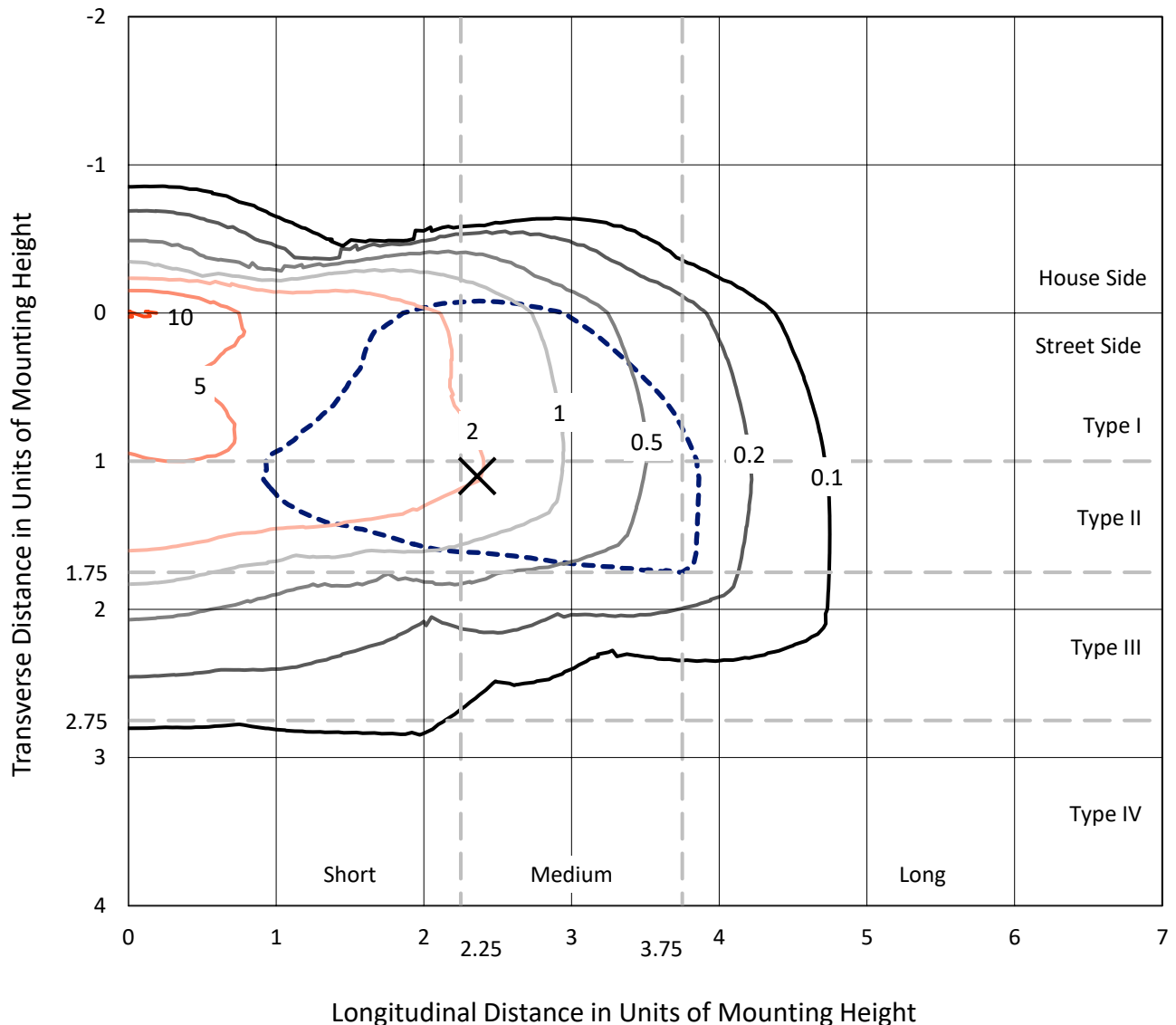
Lumens per Lamp: N/A  
Luminaire Lumens: 37115.9 lumens  
Efficiency: N/A  
Efficacy: 100.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G5

Input Watts (W): 368.2  
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

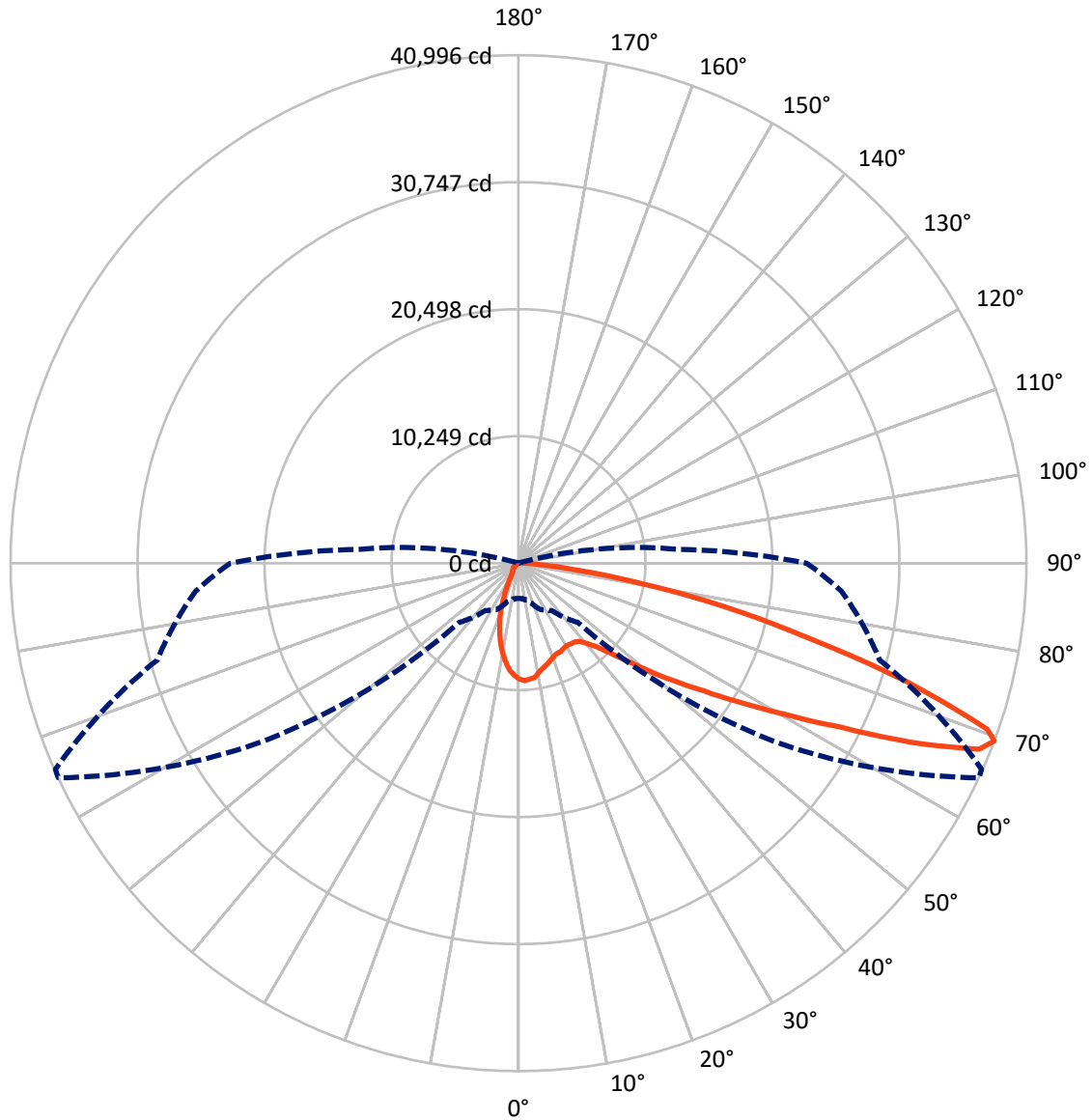
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10.4 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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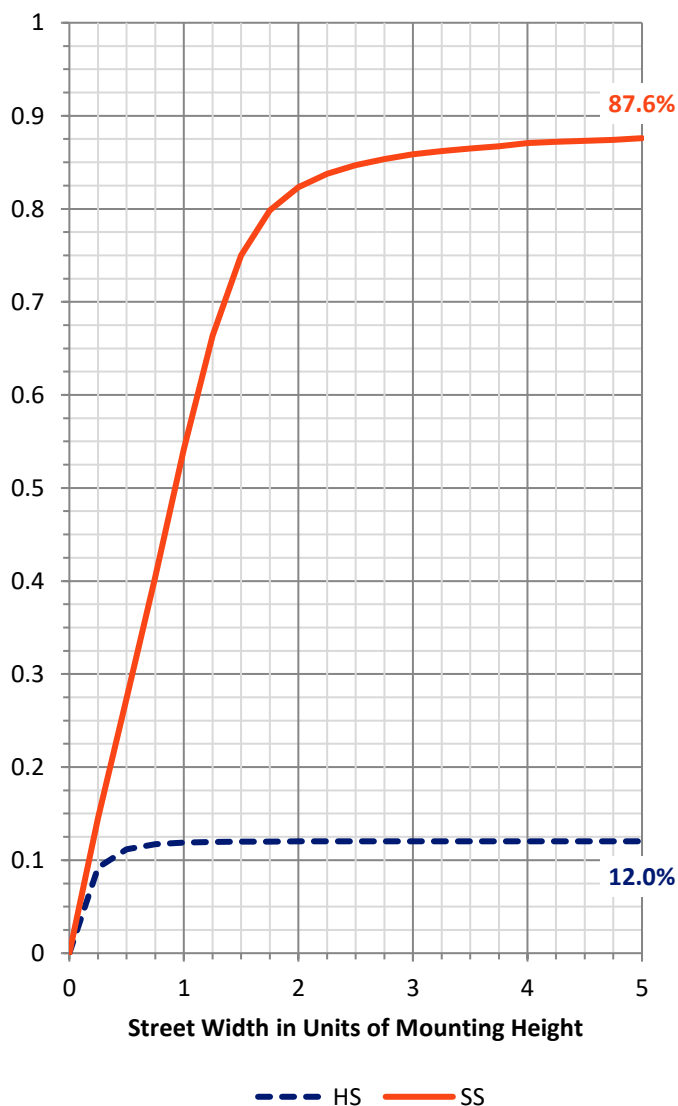
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4502.4	0.0	4502.4
	% Fixture	12.1	0.0	12.1
<b>Street Side</b>	Lumens	32613.5	0.0	32613.5
	% Fixture	87.9	0.0	87.9
<b>Total</b>	Lumens	37115.9	0.0	37115.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	765.8	2.1
10°-20°	1675.5	4.5
20°-30°	2332.7	6.3
30°-40°	3305.6	8.9
40°-50°	5209.5	14.0
50°-60°	8453.3	22.8
60°-70°	9440.6	25.4
70°-80°	5316.1	14.3
80°-90°	616.9	1.7
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°	37115.9	100.0
0°-180°	37115.9	100.0

**Coefficient of Utilization**



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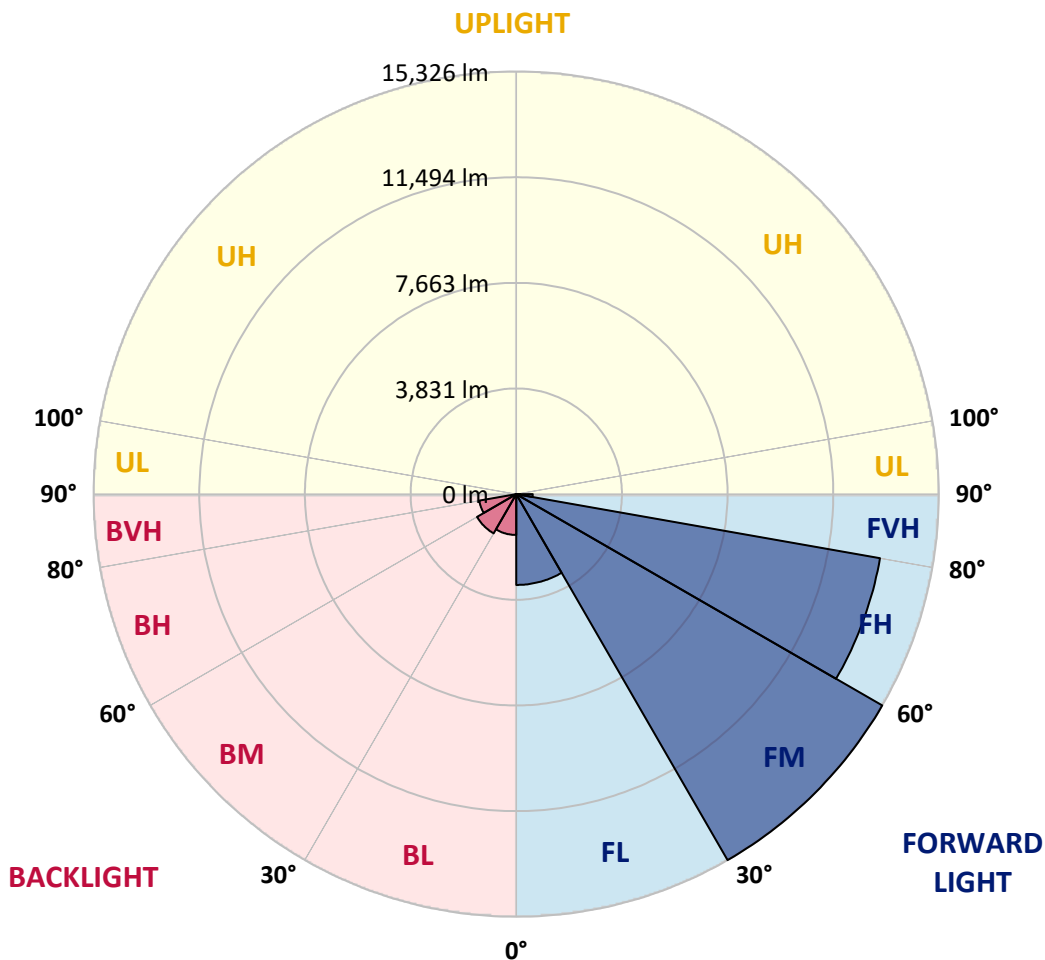
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3293.7	8.9			
FM (30°-60°)	15325.5	41.3			
FH (60°-80°)	13394.5	36.1			G5
FVH (80°-90°)	599.9	1.6			G4/750
BL (0°-30°)	1480.3	4.0	B3/2500		
BM (30°-60°)	1642.9	4.4	B2/2500		
BH (60°-80°)	1362.2	3.7	B3/2500		G3/2500
BVH (80°-90°)	17.0	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	9357.8	9357.8	9357.8	9357.8	9357.8	9357.8	9357.8	9357.8	9357.8	9357.8	9357.8
2.5°	9012.3	9082.4	9102.4	9172.5	9207.6	9357.8	9442.9	9493.0	9467.9	9523.0	9528.0
5°	8371.4	8331.4	8436.5	8511.6	8671.8	8932.2	9197.6	9402.8	9498.0	9588.1	9573.1
7.5°	7685.5	7665.5	7770.6	7940.8	8086.0	8401.5	8827.1	9332.8	9312.7	9533.0	9598.1
10°	7214.9	7234.9	7269.9	7440.2	7655.5	7975.9	8506.6	8977.3	9082.4	9548.0	9678.2
12.5°	6784.3	6819.3	6884.4	7059.6	7310.0	7640.4	8156.1	8706.9	8867.1	9462.9	9723.3
15°	6644.1	6564.0	6694.1	6824.3	7084.7	7380.1	7815.7	8501.6	8571.7	9362.8	9798.4
17.5°	6528.9	6478.9	6538.9	6644.1	6919.5	7159.8	7570.3	8281.3	8411.5	9322.7	9788.4
20°	6564.0	6518.9	6543.9	6624.0	6749.2	6974.5	7355.0	8071.0	8211.2	9137.5	9773.4
22.5°	6664.1	6699.2	6654.1	6674.1	6714.2	6829.3	7239.9	7920.8	8041.0	9102.4	9858.5
25°	7114.7	7054.6	6994.6	6969.5	6734.2	6784.3	7204.8	7910.8	7995.9	8977.3	9788.4
27.5°	7585.4	7535.3	7510.3	7365.1	7044.6	6894.4	7209.9	7770.6	7885.8	8927.2	9703.3
30°	8156.1	8221.2	8121.1	7945.9	7500.2	7129.7	7264.9	7700.5	7860.7	8736.9	9648.2
32.5°	8757.0	8792.0	8842.1	8711.9	8136.1	7485.2	7430.2	7765.6	7775.6	8736.9	9523.0
35°	9437.9	9387.8	9518.0	9528.0	9022.3	8116.1	7745.6	7810.7	7915.8	8696.9	9477.9
37.5°	10023.7	10108.8	10259.0	10499.3	9978.6	9007.3	8236.3	8021.0	8066.0	8882.1	9513.0
40°	10664.6	10749.7	11090.2	11330.5	11035.1	10008.7	8982.3	8511.6	8546.7	9157.5	9693.2
42.5°	11370.5	11535.8	11941.3	12361.9	12281.8	11280.4	9943.6	9232.6	9217.6	9843.4	10063.7
45°	12326.8	12547.1	12987.7	13473.4	13543.5	12737.4	11225.3	10309.1	10359.2	10739.7	10829.8
47.5°	13658.7	13648.6	14079.2	14620.0	15025.5	14249.5	12757.4	11756.1	11751.1	12156.6	11966.3
50°	14945.4	14950.4	15065.6	15691.4	16742.9	16347.3	14655.0	13678.7	13623.6	13823.9	13518.5
52.5°	15541.2	15471.1	15386.0	16142.1	18064.7	18990.9	17058.3	15856.7	15811.6	15691.4	15611.3
55°	14915.4	14940.4	14935.4	15721.5	18760.6	21779.8	20142.5	18254.9	18179.8	17804.3	17914.5
57.5°	12907.6	12827.5	13002.8	14229.4	17964.5	23682.4	24553.5	21279.1	21083.8	19837.1	19586.8
60°	9608.1	9633.2	9778.4	11225.3	15986.8	24082.9	28774.3	24828.9	23987.8	21269.1	20923.6
62.5°	6709.2	6659.1	6714.2	7525.3	11430.6	22480.7	31628.2	29144.8	28333.7	22896.3	22696.0
65°	4801.6	4736.5	4956.8	5452.4	6864.4	17188.5	32033.8	34892.7	34166.7	25494.8	25014.2
67.5°	3454.7	3444.7	3700.1	4601.3	4876.7	9898.5	29029.7	40099.8	39659.2	28579.0	26426.1
69°	2858.9	2863.9	3109.2	4120.6	4656.4	6759.2	24979.1	40996.0	40915.9	30171.2	26160.7
70°	2493.4	2513.4	2798.8	3835.2	4566.2	5557.6	21534.4	40114.8	40034.7	30481.6	25284.5
72.5°	1537.1	1552.1	1927.6	3074.2	4340.9	4536.2	12877.6	32819.8	33095.2	29059.7	21784.8
75°	736.0	741.0	1011.4	2223.0	4185.7	4300.9	6899.4	24218.1	24798.9	23462.1	17023.3
77.5°	390.5	390.5	485.7	1181.6	3389.6	4045.5	4095.6	17083.3	17564.0	14835.3	9678.2
80°	195.3	200.3	295.4	615.8	2102.9	3965.4	3199.4	10188.9	10449.3	6053.3	3014.1
82.5°	75.1	80.1	140.2	370.5	1091.5	3349.6	2808.8	5011.8	4946.8	1416.9	736.0
85°	10.0	10.0	50.1	220.3	465.6	1477.0	2318.2	2092.9	2022.8	310.4	355.5
87.5°	0.0	0.0	10.0	65.1	140.2	430.6	896.2	575.8	640.9	85.1	175.2
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°	9357.8	9357.8	9357.8	9357.8	9357.8	9357.8	9357.8	9357.8	9357.8	9357.8	9357.8
2.5°	9503.0	9397.8	9237.6	9082.4	8917.2	8716.9	8496.6	8416.5	8276.3	8266.3	8346.4
5°	9493.0	9322.7	9042.4	8711.9	8241.3	7885.8	7500.2	7219.9	7004.6	6864.4	6899.4
7.5°	9543.0	9337.8	8852.1	8141.1	7535.3	6829.3	6233.5	5823.0	5447.4	5262.2	5242.2
10°	9462.9	9187.6	8476.6	7480.2	6589.0	5602.7	4731.5	4180.7	3619.9	3414.7	3424.7
12.5°	9508.0	9122.5	8071.0	6799.3	5572.6	4290.9	3249.4	2498.4	1972.7	1802.5	1782.4
15°	9538.0	8982.3	7680.5	5983.2	4446.1	2924.0	1882.6	1416.9	1251.7	1221.7	1216.7
17.5°	9422.9	8812.0	7129.7	5177.1	3294.5	1777.4	1251.7	1156.6	1126.5	1106.5	1096.5
20°	9417.9	8711.9	6654.1	4350.9	2198.0	1211.7	1081.5	1046.4	1001.4	986.3	986.3
22.5°	9332.8	8501.6	6083.3	3444.7	1401.9	1041.4	971.3	916.3	866.2	846.2	841.1
25°	9307.7	8256.3	5547.6	2588.5	1066.5	931.3	861.2	781.1	721.0	690.9	675.9
27.5°	9237.6	8046.0	5006.8	1822.5	931.3	831.1	741.0	655.9	585.8	540.7	535.7
30°	8987.3	7825.7	4406.0	1261.7	846.2	736.0	635.9	535.7	465.6	435.6	425.6
32.5°	8882.1	7620.4	3750.1	971.3	771.1	650.9	535.7	445.6	390.5	360.5	355.5
35°	8757.0	7320.0	3114.3	846.2	701.0	565.8	450.6	375.5	330.5	305.4	305.4
37.5°	8772.0	7079.7	2518.4	766.0	625.9	485.7	385.5	320.4	280.4	255.3	255.3
40°	8726.9	6889.4	1957.7	696.0	555.8	415.6	325.4	270.4	235.3	210.3	205.3
42.5°	8932.2	6839.3	1477.0	635.9	485.7	355.5	280.4	230.3	195.3	165.2	165.2
45°	9277.7	6919.5	1151.6	580.8	415.6	305.4	240.3	190.3	155.2	135.2	130.2
47.5°	10198.9	7234.9	901.2	535.7	355.5	265.4	200.3	155.2	125.2	105.1	100.1
50°	11535.8	7940.8	766.0	470.6	300.4	225.3	165.2	120.2	100.1	80.1	75.1
52.5°	13438.4	9127.5	696.0	415.6	250.3	185.3	130.2	95.1	75.1	60.1	55.1
55°	15511.2	10609.5	630.9	350.5	210.3	150.2	105.1	75.1	55.1	40.1	35.0
57.5°	17128.4	11891.2	575.8	290.4	170.2	120.2	80.1	55.1	40.1	25.0	20.0
60°	18895.8	12792.5	505.7	230.3	140.2	90.1	60.1	40.1	30.0	15.0	15.0
62.5°	20718.3	13848.9	415.6	180.2	110.2	70.1	45.1	30.0	20.0	5.0	5.0
65°	23251.8	14675.0	320.4	140.2	85.1	50.1	35.0	25.0	10.0	0.0	0.0
67.5°	23967.7	14269.5	235.3	110.2	60.1	35.0	25.0	15.0	5.0	0.0	0.0
69°	23251.8	12852.6	205.3	95.1	50.1	30.0	20.0	10.0	5.0	0.0	0.0
70°	21945.0	11751.1	180.2	80.1	45.1	30.0	15.0	10.0	5.0	0.0	0.0
72.5°	18355.1	9012.3	140.2	60.1	35.0	25.0	15.0	10.0	0.0	0.0	0.0
75°	13463.4	5567.6	105.1	45.1	30.0	20.0	15.0	10.0	0.0	0.0	0.0
77.5°	7214.9	2032.8	75.1	30.0	20.0	15.0	15.0	10.0	0.0	0.0	0.0
80°	1977.7	600.8	55.1	20.0	15.0	10.0	10.0	5.0	0.0	0.0	0.0
82.5°	540.7	155.2	35.0	20.0	15.0	10.0	5.0	0.0	0.0	0.0	0.0
85°	290.4	60.1	20.0	15.0	10.0	5.0	0.0	0.0	0.0	0.0	0.0
87.5°	150.2	20.0	15.0	10.0	10.0	5.0	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)