

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: P480359

Luminaire Tested: **IFLD-S-SA6E-722-U-SL3**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P480359  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6E-722-U-SL3  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

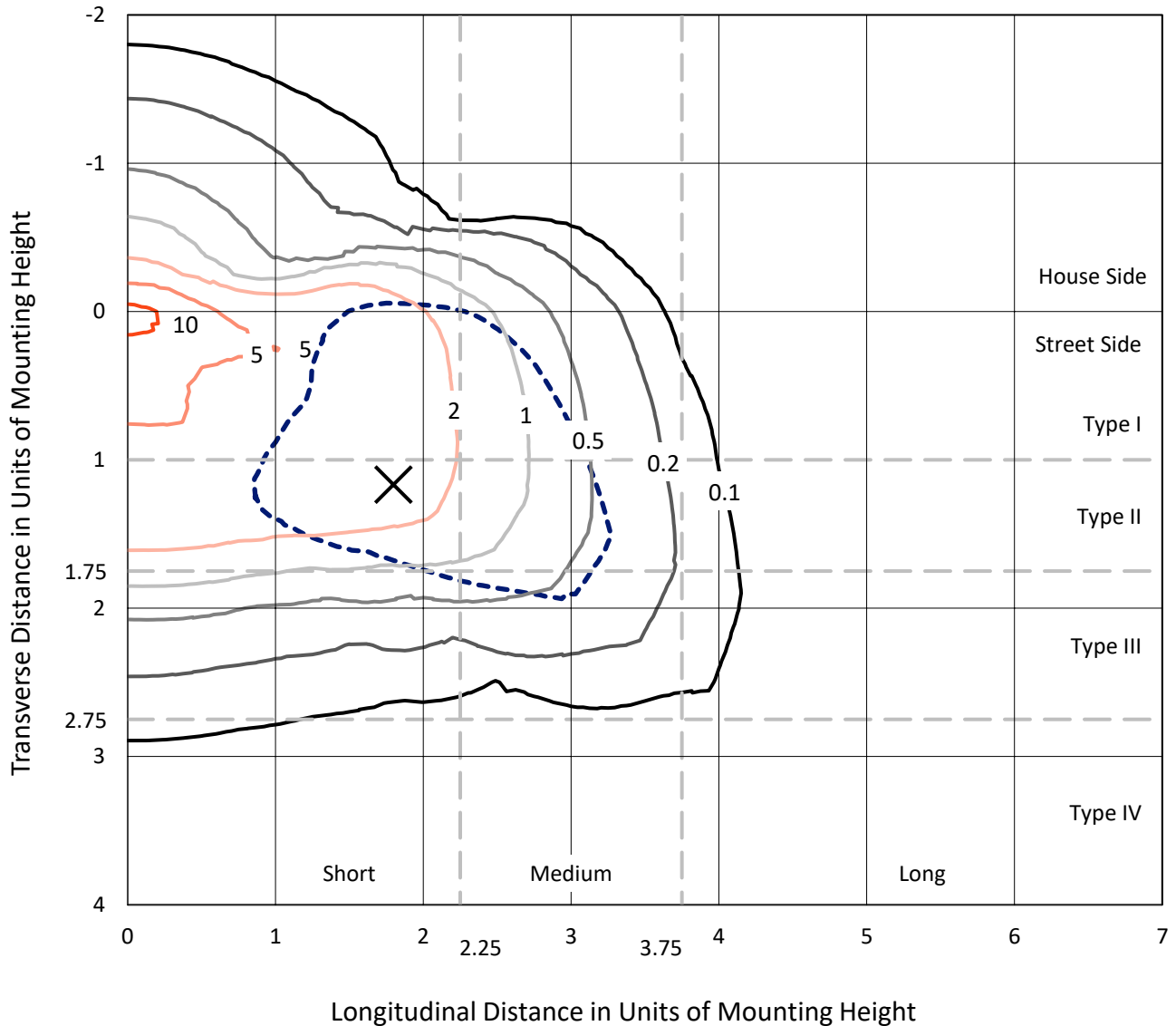
Lumens per Lamp: N/A  
Luminaire Lumens: 38458.3 lumens  
Efficiency: N/A  
Efficacy: 82.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5

Input Watts (W): 464.2  
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

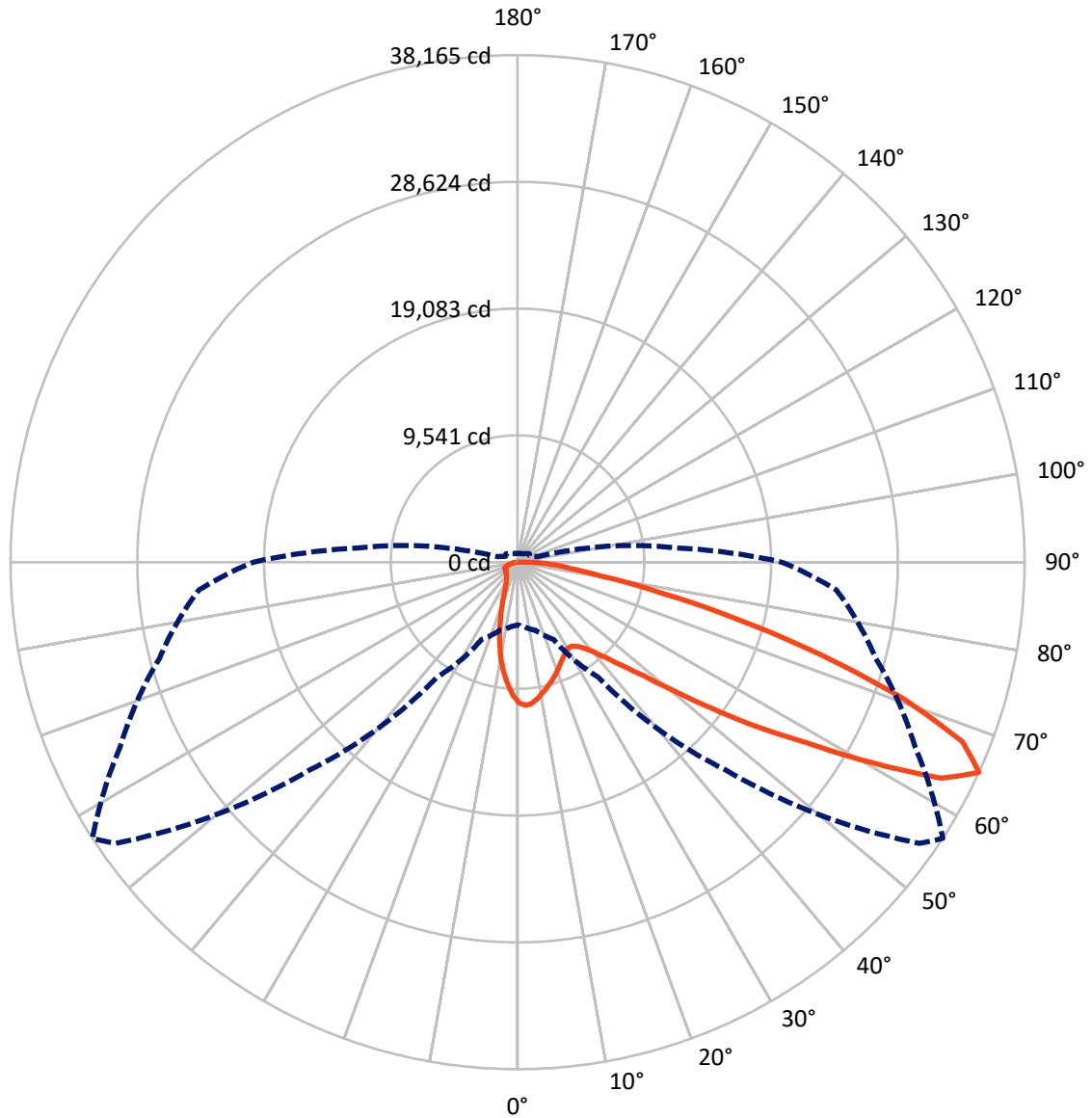
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 11.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5897.9	0.0	5897.9
	% Fixture	15.3	0.0	15.3
<b>Street Side</b>	Lumens	32560.4	0.0	32560.4
	% Fixture	84.7	0.0	84.7
<b>Total</b>	Lumens	38458.3	0.0	38458.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	885.6	2.3
10°-20°	1906.0	5.0
20°-30°	2464.3	6.4
30°-40°	3316.1	8.6
40°-50°	5287.7	13.7
50°-60°	9339.3	24.3
60°-70°	10274.5	26.7
70°-80°	4298.0	11.2
80°-90°	686.9	1.8
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°	38458.3	100.0
0°-180°	38458.3	100.0

**Coefficient of Utilization**



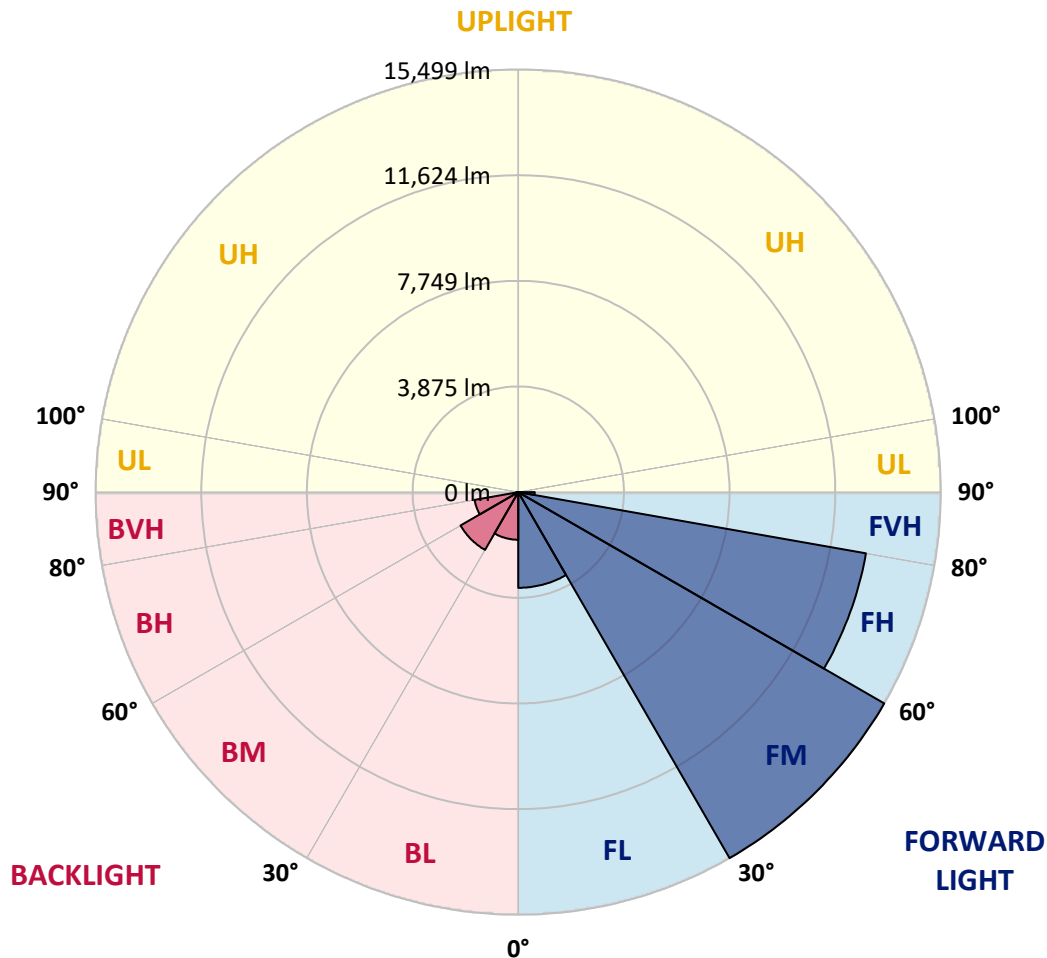
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3509.2	9.1			
FM (30°-60°)	15498.7	40.3			
FH (60°-80°)	12946.2	33.7			G5
FVH (80°-90°)	606.3	1.6			G4/750
BL (0°-30°)	1746.7	4.5	B3/2500		
BM (30°-60°)	2444.4	6.4	B2/2500		
BH (60°-80°)	1626.2	4.2	B3/2500		G3/2500
BVH (80°-90°)	80.6	0.2			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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	10575.5	10575.5	10575.5	10575.5	10575.5	10575.5	10575.5	10575.5	10575.5	10575.5	10575.5
2.5°	10861.1	10878.4	10878.4	10913.0	10796.2	10852.4	10843.8	10791.9	10809.2	10718.3	10627.4
5°	10553.9	10540.9	10610.1	10618.8	10709.6	10735.6	10757.2	10722.6	10731.3	10532.2	10445.7
7.5°	9766.3	9762.0	9878.8	9978.4	10168.7	10346.2	10463.0	10428.4	10476.0	10350.5	10147.1
10°	8831.7	8931.2	9052.3	9151.9	9502.4	9727.4	10030.3	10060.6	10242.3	10212.0	9844.2
12.5°	8130.7	8173.9	8264.8	8550.4	8870.6	9242.7	9675.5	9714.4	9891.8	9978.4	9658.1
15°	7555.2	7594.1	7710.9	7923.0	8282.1	8723.5	9273.0	9372.6	9727.4	9757.7	9415.8
17.5°	7135.4	7165.7	7243.6	7455.6	7749.9	8316.7	8836.0	9013.4	9480.7	9627.9	9164.9
20°	6971.0	6906.1	6949.4	7083.5	7377.7	7814.8	8485.5	8641.3	9238.4	9528.3	8926.9
22.5°	6897.4	6841.2	6867.1	6858.5	7092.2	7403.7	8109.0	8273.5	9009.1	9411.5	8714.8
25°	6953.7	6953.7	6927.7	6906.1	6932.1	7135.4	7702.3	7957.6	8701.8	9312.0	8498.5
27.5°	7256.6	7139.8	7152.7	7061.9	7035.9	7035.9	7520.5	7672.0	8602.3	9255.7	8321.1
30°	7451.3	7507.6	7511.9	7377.7	7243.6	7001.3	7351.8	7498.9	8520.1	9325.0	8217.2
32.5°	7948.9	7923.0	7849.4	7823.4	7624.4	7351.8	7434.0	7533.5	8472.5	9480.7	8247.5
35°	8446.5	8433.6	8437.9	8424.9	8217.2	7814.8	7654.7	7788.8	8559.1	9753.3	8351.4
37.5°	8961.5	8996.1	9143.2	9143.2	8922.5	8485.5	8273.5	8234.5	8874.9	10199.0	8598.0
40°	9476.4	9562.9	9749.0	10043.3	9731.7	9325.0	8983.1	8922.5	9255.7	10796.2	9190.8
42.5°	9969.7	10112.5	10480.3	10917.3	10813.5	10406.7	9952.4	9883.2	10038.9	11683.2	10017.3
45°	10601.5	10722.6	11302.5	11973.2	12116.0	11756.8	11224.6	11168.3	11159.7	12981.4	11155.3
47.5°	11562.1	11691.9	12271.7	12946.8	13388.1	13444.4	12847.2	12786.7	12579.0	14733.9	12821.3
50°	12765.0	12977.1	13466.0	14253.6	14894.0	15495.4	15326.7	15149.3	14742.5	16771.9	14932.9
52.5°	13643.4	13903.1	14565.1	15573.3	16702.7	17659.0	18264.8	18264.8	17330.1	19009.1	17472.9
55°	13877.1	14032.9	14868.0	16326.2	18260.5	20679.3	21947.2	21852.0	20411.1	21363.0	20428.4
57.5°	12946.8	13150.1	14162.7	15690.2	19078.3	23504.9	25603.6	25625.2	23777.6	24097.8	23344.8
60°	10385.1	10450.0	11644.3	13686.7	18290.8	25781.0	30597.1	30679.3	27607.1	26533.9	24829.0
62.5°	7178.7	7386.4	8286.4	10077.9	15153.6	25525.7	35413.2	35819.9	30675.0	27819.1	25062.7
65°	4725.2	4850.7	5331.0	6421.5	10549.5	22124.6	36910.4	38165.2	33020.3	27892.7	24084.8
67.5°	3427.1	3448.7	3591.5	4154.0	6339.2	15910.8	34353.1	36122.8	33898.7	27278.2	21791.4
70°	2769.4	2786.7	2838.6	3197.7	4093.5	9956.7	28018.1	30791.8	31263.5	24366.0	17550.8
72.5°	2250.1	2271.7	2336.6	2674.2	3375.2	5538.7	20488.9	23868.4	25430.5	18026.8	11665.9
75°	1769.8	1787.1	1942.9	2276.1	3171.8	3803.5	13591.5	16901.8	17113.8	10536.6	5460.8
77.5°	1211.6	1241.9	1432.3	1929.9	2985.7	3327.6	8472.5	10826.5	9714.4	4123.8	1878.0
80°	770.2	813.5	926.0	1462.6	2639.5	3176.1	5270.4	6464.7	4253.6	1410.6	904.4
82.5°	454.3	497.6	610.1	947.6	2072.7	2946.8	3712.7	4045.9	1994.8	722.6	545.2
85°	251.0	281.3	367.8	571.2	1215.9	2617.9	2972.7	2903.5	1142.4	385.1	341.8
87.5°	82.2	95.2	134.1	229.3	501.9	1233.2	1782.8	1674.6	592.8	177.4	134.1
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°	10575.5	10575.5	10575.5	10575.5	10575.5	10575.5	10575.5	10575.5	10575.5	10575.5	10575.5
2.5°	10566.8	10553.9	10359.1	10212.0	9961.0	9753.3	9671.1	9558.6	9554.3	9472.1	9450.4
5°	10311.5	10177.4	9878.8	9593.2	9147.5	8849.0	8576.4	8386.0	8308.1	8139.3	8100.4
7.5°	9982.7	9805.3	9346.6	8810.0	8286.4	7819.1	7395.1	6971.0	6733.0	6650.8	6559.9
10°	9640.8	9329.3	8649.9	8048.5	7317.2	6598.9	5932.5	5335.3	5010.8	4781.5	4682.0
12.5°	9368.2	8952.8	8087.4	7187.4	6222.4	5261.8	4487.2	3859.8	3492.0	3318.9	3241.0
15°	9061.0	8511.5	7472.9	6334.9	5132.0	4041.5	3284.3	2791.0	2643.9	2561.7	2548.7
17.5°	8736.5	8100.4	6806.6	5495.4	4067.5	3042.0	2553.0	2354.0	2289.0	2254.4	2237.1
20°	8433.6	7732.6	6122.9	4560.8	3184.8	2440.5	2211.2	2107.3	2103.0	2120.3	2116.0
22.5°	8005.2	7252.3	5447.9	3695.4	2544.3	2124.6	1977.5	1951.5	1977.5	1999.1	2007.8
25°	7762.9	6858.5	4694.9	2933.8	2103.0	1886.6	1839.0	1830.4	1869.3	1895.3	1891.0
27.5°	7511.9	6451.7	3993.9	2349.6	1843.4	1717.9	1709.2	1717.9	1756.8	1795.8	1791.4
30°	7317.2	6127.2	3336.2	1964.5	1644.3	1596.7	1588.1	1596.7	1618.3	1622.7	1622.7
32.5°	7157.1	5742.1	2778.0	1704.9	1523.1	1484.2	1492.9	1488.5	1492.9	1497.2	1501.5
35°	7061.9	5512.8	2319.3	1544.8	1423.6	1393.3	1389.0	1376.0	1380.4	1384.7	1380.4
37.5°	7265.2	5400.3	1955.9	1432.3	1354.4	1328.4	1319.8	1311.1	1298.1	1298.1	1298.1
40°	7572.5	5339.7	1735.2	1358.7	1302.5	1272.2	1246.2	1237.6	1237.6	1241.9	1246.2
42.5°	8182.6	5439.2	1583.7	1302.5	1237.6	1202.9	1177.0	1181.3	1194.3	1207.3	1198.6
45°	9065.3	5742.1	1514.5	1259.2	1198.6	1151.0	1133.7	1129.4	1142.4	1164.0	1181.3
47.5°	10220.7	6213.8	1488.5	1220.2	1172.7	1107.7	1086.1	1099.1	1116.4	1146.7	1133.7
50°	12111.6	7273.9	1510.2	1185.6	1133.7	1086.1	1060.1	1047.2	1060.1	1081.8	1090.4
52.5°	14582.4	9199.5	1592.4	1168.3	1107.7	1068.8	1025.5	1003.9	1016.9	1034.2	1034.2
55°	17537.8	11830.4	1821.7	1146.7	1064.5	1042.8	995.2	952.0	960.6	960.6	956.3
57.5°	20142.8	13816.5	2094.3	1116.4	1038.5	1008.2	947.6	895.7	887.1	891.4	895.7
60°	21311.1	14344.4	2224.1	1107.7	1038.5	964.9	882.7	830.8	817.8	809.2	809.2
62.5°	21107.7	13431.4	1960.2	1068.8	1064.5	930.3	822.2	765.9	748.6	731.3	735.6
65°	19878.8	12128.9	1544.8	1016.9	1068.8	908.7	761.6	705.3	675.0	653.4	649.1
67.5°	17633.0	10354.8	1224.6	977.9	1025.5	869.8	709.6	644.7	618.8	597.1	588.5
70°	13794.9	8117.7	1064.5	926.0	921.7	774.6	649.1	592.8	553.9	527.9	527.9
72.5°	8944.2	5132.0	913.0	822.2	796.2	649.1	562.5	527.9	497.6	476.0	476.0
75°	4050.2	2384.2	735.6	688.0	649.1	519.3	476.0	458.7	432.7	411.1	411.1
77.5°	1453.9	1016.9	549.5	540.9	484.6	402.4	385.1	372.1	354.8	333.2	333.2
80°	813.5	644.7	411.1	393.8	337.5	298.6	276.9	276.9	268.3	255.3	251.0
82.5°	514.9	419.7	302.9	264.0	220.7	199.0	190.4	186.1	181.7	164.4	160.1
85°	324.5	285.6	199.0	155.8	129.8	99.5	95.2	90.9	82.2	73.6	73.6
87.5°	147.1	164.4	77.9	47.6	34.6	21.6	13.0	4.3	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)