

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: P480366

Luminaire Tested: **IFLD-L-SA7B-722-U-SL3**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P480366  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-722-U-SL3  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens  
Light Source: (112) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

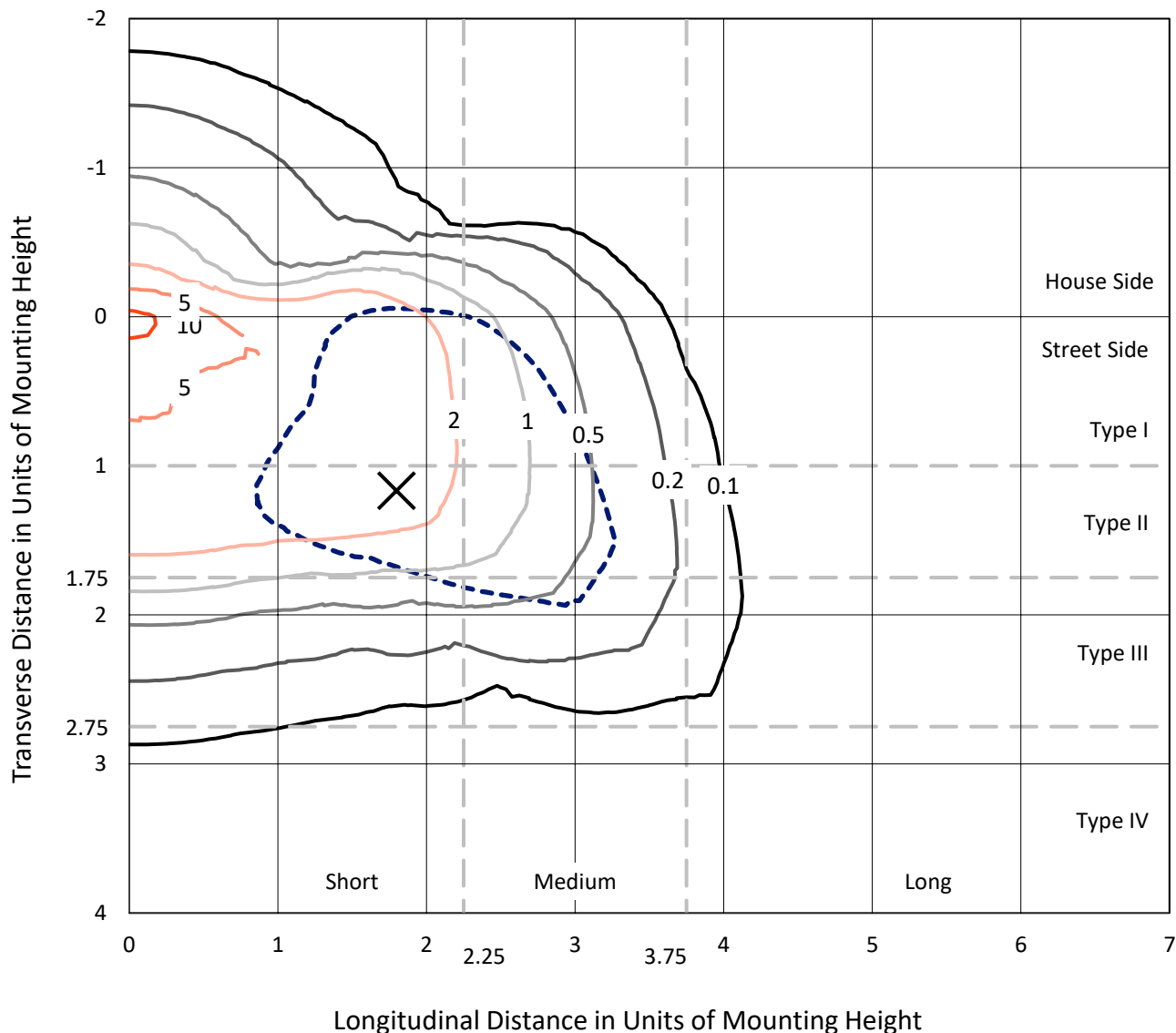
Lumens per Lamp: N/A  
Luminaire Lumens: 25883.6 lumens  
Efficiency: N/A  
Efficacy: 92.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

Input Watts (W): 281  
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

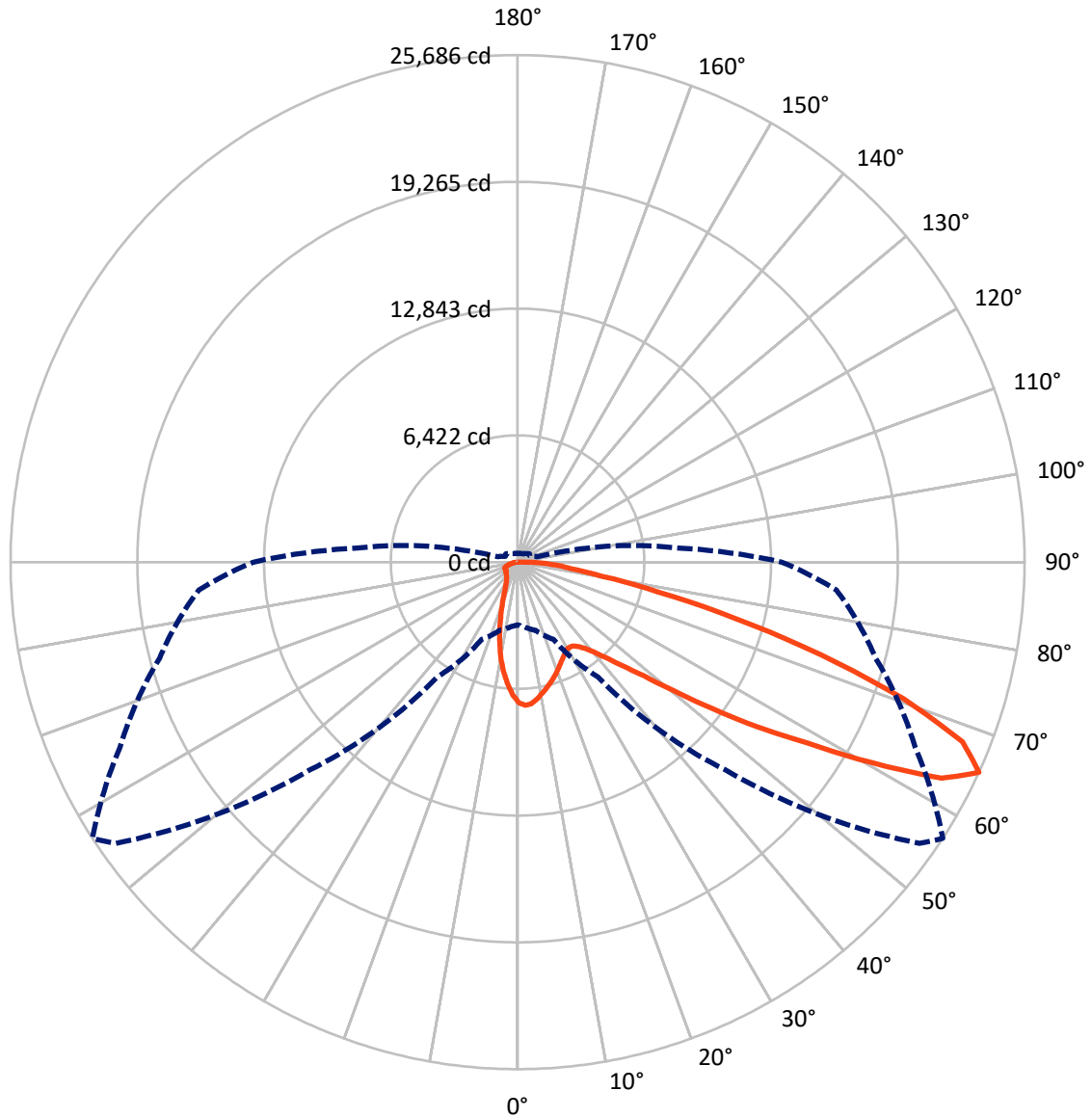
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 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	3969.5	0.0	3969.5
	% Fixture	15.3	0.0	15.3
<b>Street Side</b>	Lumens	21914.1	0.0	21914.1
	% Fixture	84.7	0.0	84.7
<b>Total</b>	Lumens	25883.6	0.0	25883.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	596.0	2.3
10°-20°	1282.8	5.0
20°-30°	1658.5	6.4
30°-40°	2231.8	8.6
40°-50°	3558.8	13.7
50°-60°	6285.6	24.3
60°-70°	6915.0	26.7
70°-80°	2892.7	11.2
80°-90°	462.3	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°	25883.6	100.0
0°-180°	25883.6	100.0

**Coefficient of Utilization**



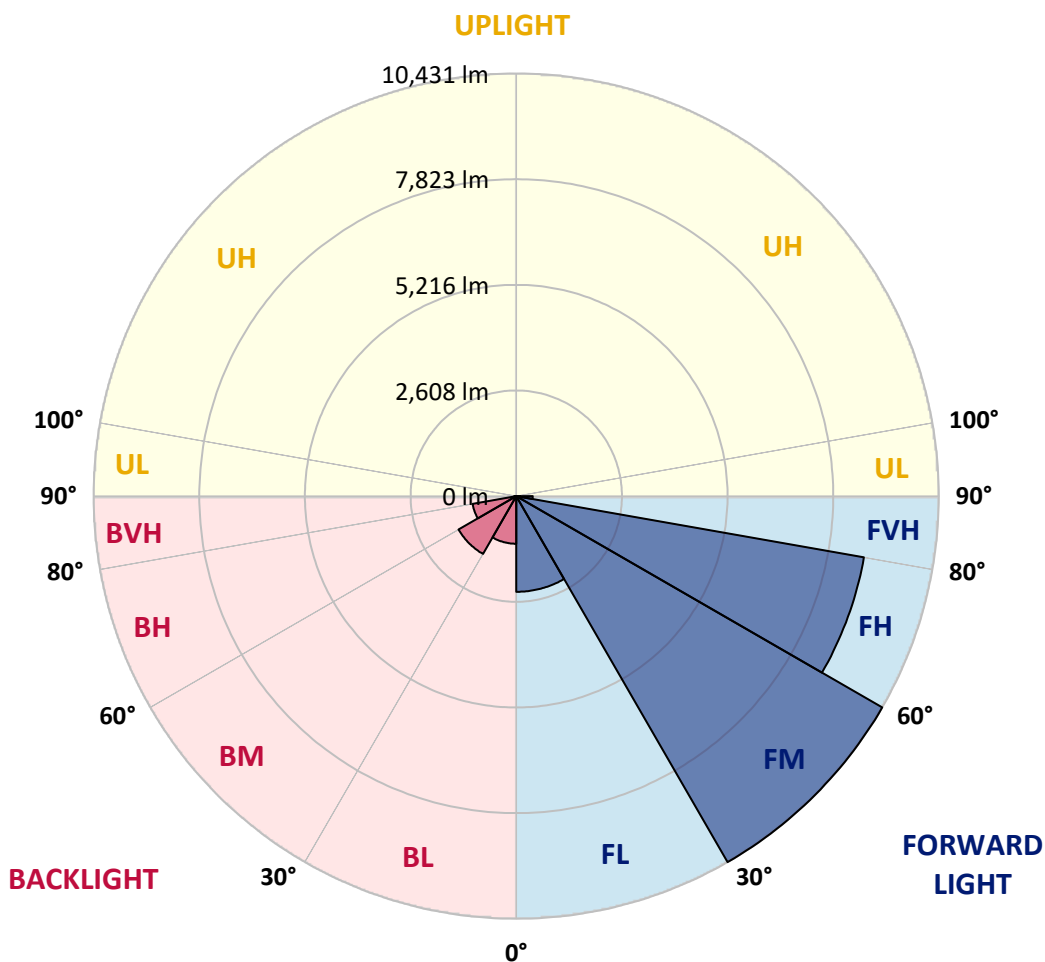
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2361.8	9.1			
FM (30°-60°)	10431.1	40.3			
FH (60°-80°)	8713.2	33.7			G4/12000
FVH (80°-90°)	408.1	1.6			G3/500
BL (0°-30°)	1175.6	4.5	B3/2500		
BM (30°-60°)	1645.2	6.4	B2/2500		
BH (60°-80°)	1094.5	4.2	B3/2500		G3/2500
BVH (80°-90°)	54.2	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-G4**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	7117.6	7117.6	7117.6	7117.6	7117.6	7117.6	7117.6	7117.6	7117.6	7117.6	7117.6
2.5°	7309.8	7321.5	7321.5	7344.8	7266.2	7304.0	7298.2	7263.3	7274.9	7213.7	7152.6
5°	7103.1	7094.3	7140.9	7146.8	7207.9	7225.4	7240.0	7216.7	7222.5	7088.5	7030.3
7.5°	6573.0	6570.1	6648.8	6715.7	6843.9	6963.3	7041.9	7018.6	7050.7	6966.2	6829.3
10°	5944.0	6011.0	6092.5	6159.5	6395.4	6546.8	6750.7	6771.1	6893.4	6873.0	6625.5
12.5°	5472.2	5501.3	5562.5	5754.7	5970.2	6220.7	6511.9	6538.1	6657.5	6715.7	6500.2
15°	5084.9	5111.1	5189.7	5332.4	5574.1	5871.2	6241.0	6308.0	6546.8	6567.2	6337.1
17.5°	4802.4	4822.8	4875.2	5017.9	5215.9	5597.4	5946.9	6066.3	6380.8	6479.8	6168.2
20°	4691.7	4648.0	4677.1	4767.4	4965.5	5259.6	5711.0	5815.8	6217.7	6412.9	6008.1
22.5°	4642.2	4604.3	4621.8	4616.0	4773.2	4982.9	5457.6	5568.3	6063.4	6334.2	5865.4
25°	4680.1	4680.1	4662.6	4648.0	4665.5	4802.4	5183.9	5355.7	5856.6	6267.2	5719.7
27.5°	4883.9	4805.3	4814.0	4752.9	4735.4	4735.4	5061.6	5163.5	5789.6	6229.4	5600.3
30°	5015.0	5052.8	5055.7	4965.5	4875.2	4712.1	4948.0	5047.0	5734.3	6276.0	5530.4
32.5°	5349.9	5332.4	5282.9	5265.4	5131.5	4948.0	5003.3	5070.3	5702.3	6380.8	5550.8
35°	5684.8	5676.1	5679.0	5670.2	5530.4	5259.6	5151.8	5242.1	5760.5	6564.3	5620.7
37.5°	6031.4	6054.7	6153.7	6153.7	6005.1	5711.0	5568.3	5542.1	5973.1	6864.3	5786.7
40°	6377.9	6436.2	6561.4	6759.4	6549.7	6276.0	6045.9	6005.1	6229.4	7266.2	6185.7
42.5°	6709.9	6806.0	7053.6	7347.7	7277.8	7004.1	6698.3	6651.7	6756.5	7863.2	6742.0
45°	7135.1	7216.7	7606.9	8058.3	8154.4	7912.7	7554.5	7516.6	7510.8	8736.9	7507.9
47.5°	7781.6	7869.0	8259.3	8713.6	9010.6	9048.5	8646.6	8605.8	8466.0	9916.3	8629.1
50°	8591.3	8734.0	9063.0	9593.1	10024.1	10428.9	10315.3	10195.9	9922.2	11288.0	10050.3
52.5°	9182.5	9357.2	9802.8	10481.3	11241.4	11885.1	12292.8	12292.8	11663.7	12793.7	11759.8
55°	9339.7	9444.6	10006.6	10988.1	12289.9	13917.8	14771.1	14707.1	13737.3	14378.0	13748.9
57.5°	8713.6	8850.5	9531.9	10560.0	12840.3	15819.6	17232.0	17246.6	16003.0	16218.5	15711.8
60°	6989.5	7033.2	7837.0	9211.6	12310.3	17351.4	20592.8	20648.1	18580.4	17858.2	16710.7
62.5°	4831.5	4971.3	5577.0	6782.7	10198.8	17179.6	23834.2	24107.9	20645.2	18723.1	16868.0
65°	3180.2	3264.7	3587.9	4321.8	7100.2	14890.5	24841.8	25686.4	22223.7	18772.6	16209.8
67.5°	2306.5	2321.1	2417.2	2795.8	4266.5	10708.5	23120.7	24311.8	22814.9	18359.1	14666.3
70°	1863.9	1875.5	1910.5	2152.2	2755.0	6701.2	18857.1	20723.9	21041.3	16399.1	11812.3
72.5°	1514.4	1529.0	1572.6	1799.8	2271.6	3727.7	13789.7	16064.2	17115.5	12132.6	7851.5
75°	1191.1	1202.8	1307.6	1531.9	2134.7	2559.9	9147.5	11375.4	11518.1	7091.4	3675.3
77.5°	815.4	835.8	964.0	1298.9	2009.5	2239.6	5702.3	7286.6	6538.1	2775.4	1263.9
80°	518.4	547.5	623.2	984.4	1776.5	2137.6	3547.2	4351.0	2862.8	949.4	608.7
82.5°	305.8	334.9	410.6	637.8	1395.0	1983.3	2498.7	2723.0	1342.6	486.4	366.9
85°	168.9	189.3	247.5	384.4	818.4	1761.9	2000.7	1954.1	768.8	259.2	230.1
87.5°	55.3	64.1	90.3	154.4	337.8	830.0	1199.9	1127.1	399.0	119.4	90.3
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°	7117.6	7117.6	7117.6	7117.6	7117.6	7117.6	7117.6	7117.6	7117.6	7117.6	7117.6
2.5°	7111.8	7103.1	6972.0	6873.0	6704.1	6564.3	6509.0	6433.2	6430.3	6375.0	6360.4
5°	6940.0	6849.7	6648.8	6456.5	6156.6	5955.6	5772.2	5644.0	5591.6	5478.0	5451.8
7.5°	6718.7	6599.3	6290.5	5929.4	5577.0	5262.5	4977.1	4691.7	4531.5	4476.2	4415.0
10°	6488.6	6278.9	5821.7	5416.9	4924.7	4441.2	3992.8	3590.9	3372.4	3218.1	3151.1
12.5°	6305.1	6025.5	5443.1	4837.3	4187.9	3541.3	3020.0	2597.8	2350.2	2233.7	2181.3
15°	6098.3	5728.5	5029.5	4263.6	3454.0	2720.1	2210.4	1878.4	1779.4	1724.1	1715.3
17.5°	5879.9	5451.8	4581.0	3698.6	2737.6	2047.3	1718.3	1584.3	1540.6	1517.3	1505.7
20°	5676.1	5204.3	4120.9	3069.6	2143.4	1642.5	1488.2	1418.3	1415.4	1427.0	1424.1
22.5°	5387.7	4881.0	3666.6	2487.1	1712.4	1429.9	1330.9	1313.4	1330.9	1345.5	1351.3
25°	5224.6	4616.0	3159.8	1974.5	1415.4	1269.8	1237.7	1231.9	1258.1	1275.6	1272.7
27.5°	5055.7	4342.2	2688.0	1581.4	1240.6	1156.2	1150.4	1156.2	1182.4	1208.6	1205.7
30°	4924.7	4123.8	2245.4	1322.2	1106.7	1074.6	1068.8	1074.6	1089.2	1092.1	1092.1
32.5°	4816.9	3864.6	1869.7	1147.4	1025.1	998.9	1004.7	1001.8	1004.7	1007.7	1010.6
35°	4752.9	3710.3	1561.0	1039.7	958.1	937.8	934.8	926.1	929.0	931.9	929.0
37.5°	4889.7	3634.5	1316.4	964.0	911.5	894.1	888.2	882.4	873.7	873.7	873.7
40°	5096.5	3593.8	1167.8	914.5	876.6	856.2	838.7	832.9	832.9	835.8	838.7
42.5°	5507.1	3660.7	1065.9	876.6	832.9	809.6	792.1	795.1	803.8	812.5	806.7
45°	6101.2	3864.6	1019.3	847.5	806.7	774.7	763.0	760.1	768.8	783.4	795.1
47.5°	6878.8	4182.0	1001.8	821.3	789.2	745.5	731.0	739.7	751.4	771.8	763.0
50°	8151.5	4895.6	1016.4	798.0	763.0	731.0	713.5	704.8	713.5	728.1	733.9
52.5°	9814.4	6191.5	1071.7	786.3	745.5	719.3	690.2	675.7	684.4	696.0	696.0
55°	11803.5	7962.2	1226.1	771.8	716.4	701.9	669.8	640.7	646.5	646.5	643.6
57.5°	13556.7	9298.9	1409.5	751.4	698.9	678.6	637.8	602.8	597.0	599.9	602.8
60°	14343.0	9654.2	1496.9	745.5	698.9	649.4	594.1	559.2	550.4	544.6	544.6
62.5°	14206.2	9039.7	1319.3	719.3	716.4	626.1	553.3	515.5	503.8	492.2	495.1
65°	13379.1	8163.2	1039.7	684.4	719.3	611.6	512.6	474.7	454.3	439.8	436.8
67.5°	11867.6	6969.1	824.2	658.2	690.2	585.4	477.6	433.9	416.5	401.9	396.1
70°	9284.4	5463.5	716.4	623.2	620.3	521.3	436.8	399.0	372.8	355.3	355.3
72.5°	6019.7	3454.0	614.5	553.3	535.9	436.8	378.6	355.3	334.9	320.4	320.4
75°	2725.9	1604.7	495.1	463.1	436.8	349.5	320.4	308.7	291.2	276.7	276.7
77.5°	978.5	684.4	369.9	364.0	326.2	270.8	259.2	250.5	238.8	224.2	224.2
80°	547.5	433.9	276.7	265.0	227.2	200.9	186.4	186.4	180.6	171.8	168.9
82.5°	346.6	282.5	203.9	177.6	148.5	134.0	128.1	125.2	122.3	110.7	107.8
85°	218.4	192.2	134.0	104.8	87.4	67.0	64.1	61.2	55.3	49.5	49.5
87.5°	99.0	110.7	52.4	32.0	23.3	14.6	8.7	2.9	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)