

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: P479966

Luminaire Tested: **IFLD-S-SA6B-722-U-SL2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479966
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-722-U-SL2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

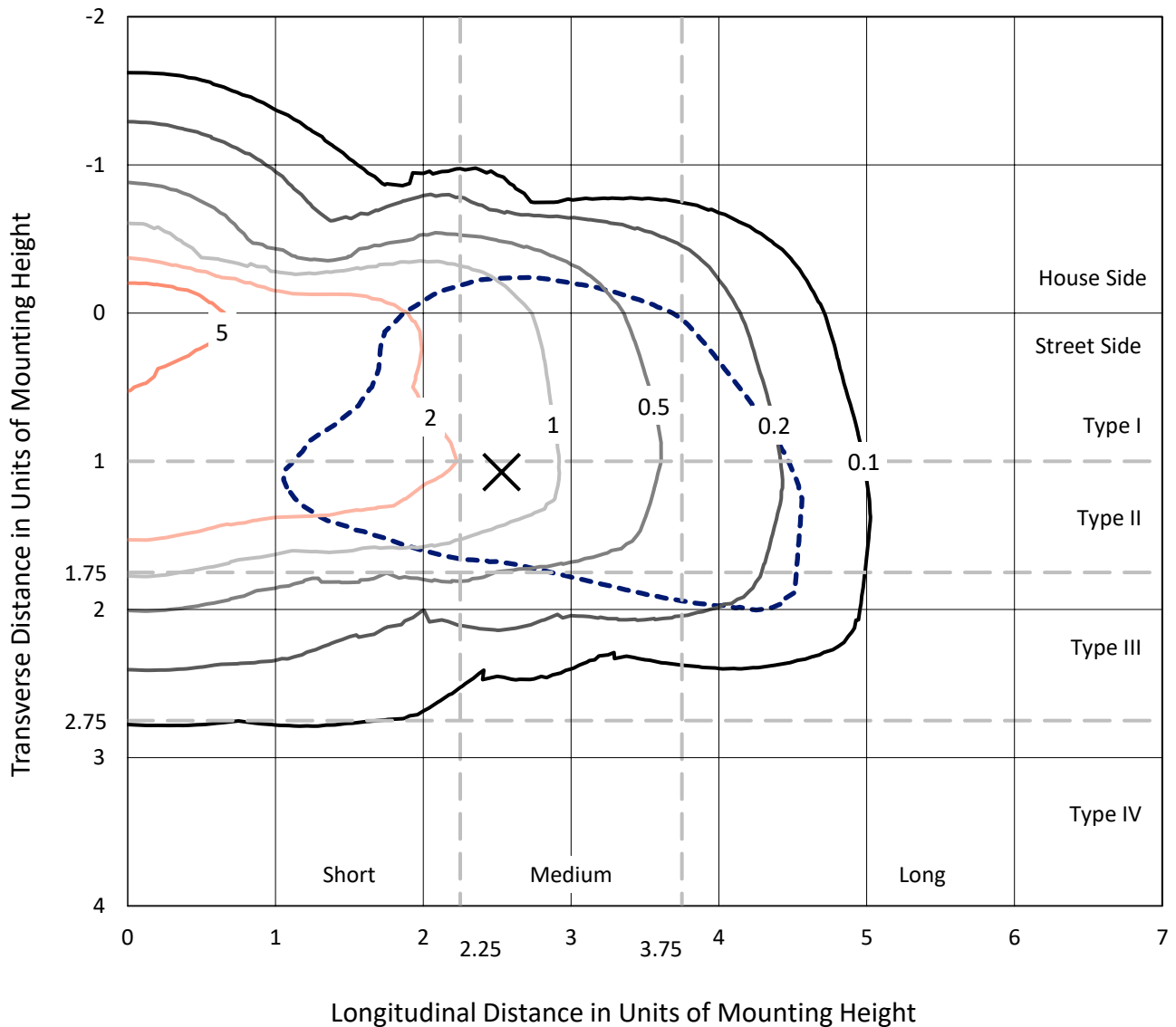
Lumens per Lamp: N/A
Luminaire Lumens: 24515.1 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 244.9
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

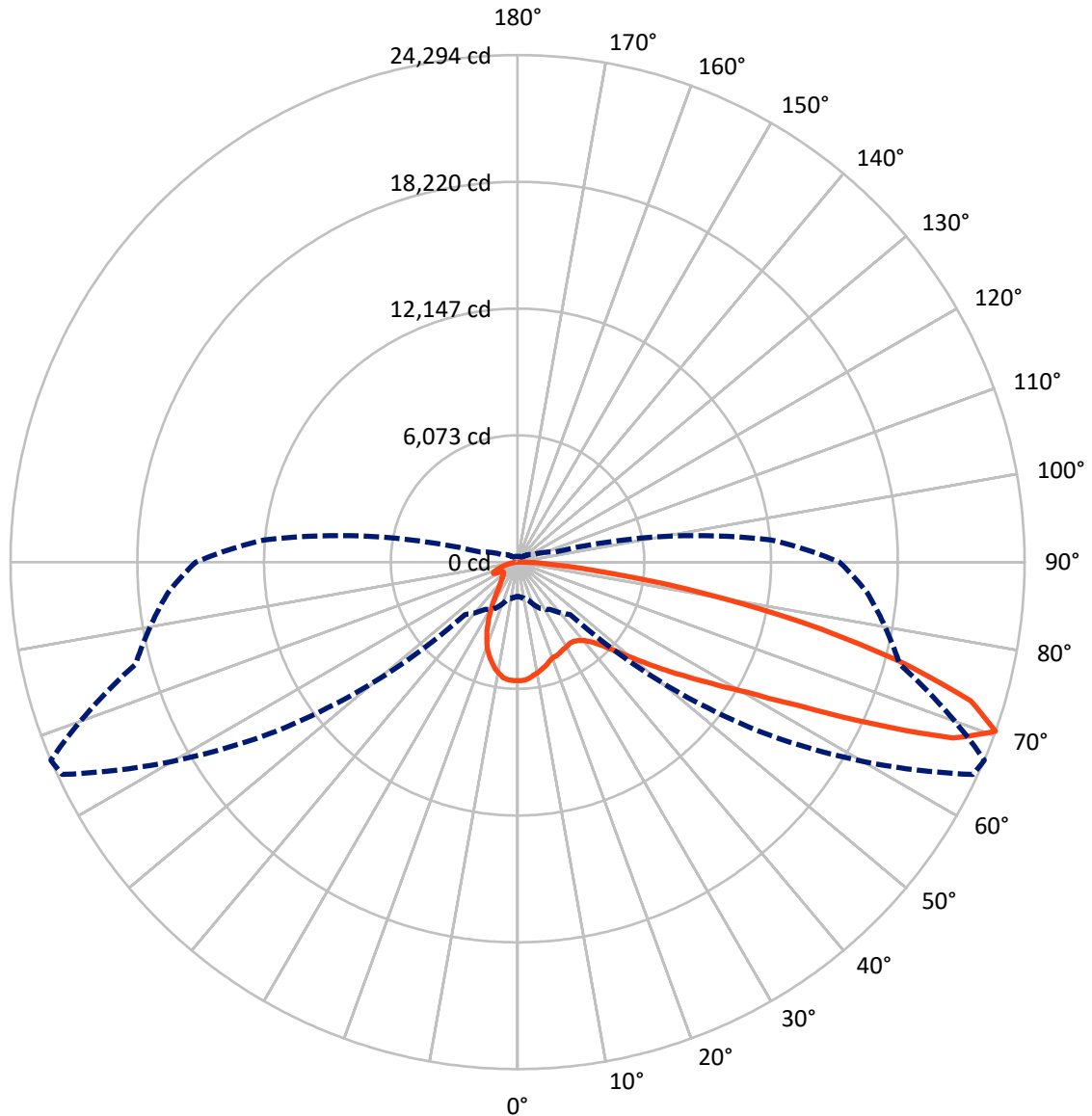
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4774.6	0.0	4774.6
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	19740.6	0.0	19740.6
	% Fixture	80.5	0.0	80.5
Total	Lumens	24515.1	0.0	24515.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	495.2	2.0
10°-20°	1185.9	4.8
20°-30°	1601.5	6.5
30°-40°	2142.9	8.7
40°-50°	3151.2	12.9
50°-60°	4911.9	20.0
60°-70°	6050.6	24.7
70°-80°	4275.3	17.4
80°-90°	700.7	2.9
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°	24515.1	100.0
0°-180°	24515.1	100.0

Coefficient of Utilization



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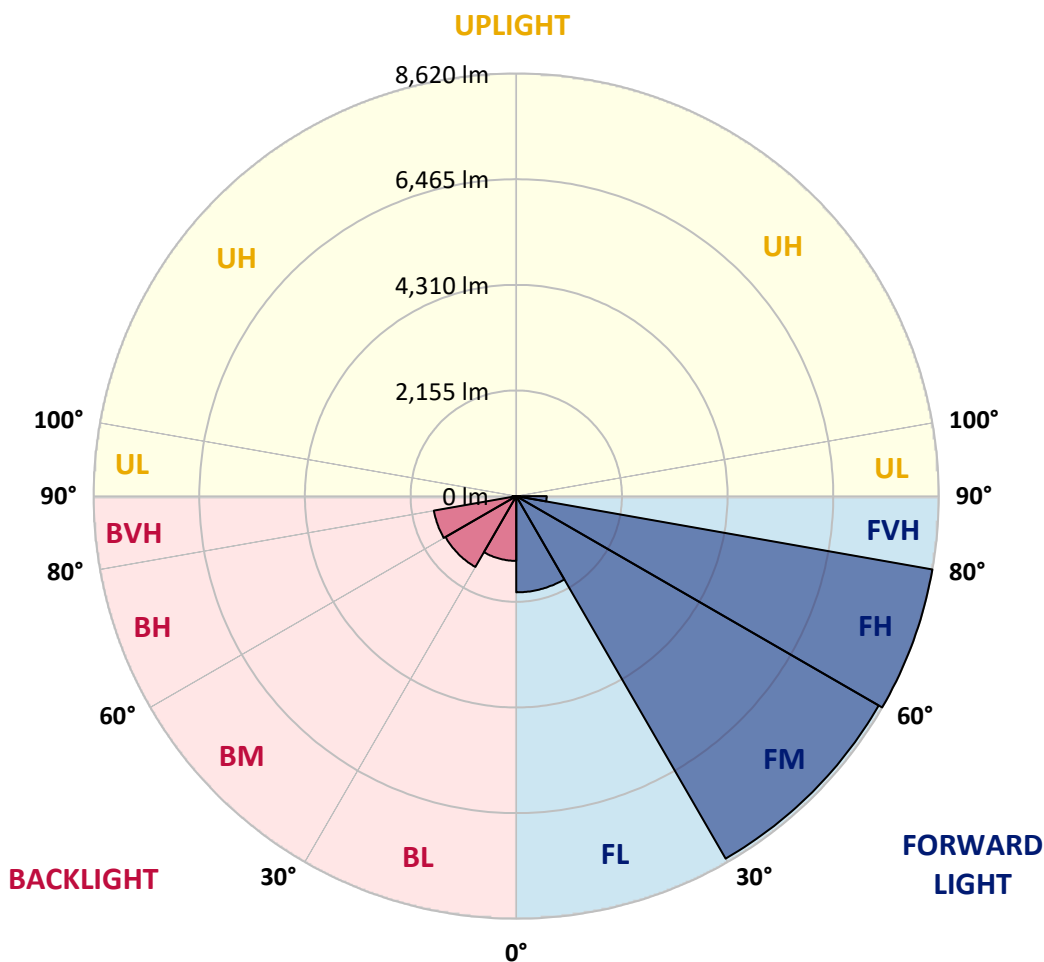
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1962.2	8.0			
FM (30°-60°)	8538.1	34.8			
FH (60°-80°)	8620.3	35.2			G4/12000
FVH (80°-90°)	619.9	2.5			G4/750
BL (0°-30°)	1320.3	5.4	B3/2500		
BM (30°-60°)	1667.9	6.8	B2/2500		
BH (60°-80°)	1705.5	7.0	B3/2500		G3/2500
BVH (80°-90°)	80.8	0.3			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	5675.2	5675.2	5675.2	5675.2	5675.2	5675.2	5675.2	5675.2	5675.2	5675.2	5675.2
2.5°	5284.3	5344.1	5365.8	5398.3	5482.5	5544.9	5582.9	5626.3	5677.9	5721.3	5748.5
5°	4915.2	4947.8	4999.4	5034.6	5140.5	5308.8	5422.8	5607.3	5601.9	5669.7	5772.9
7.5°	4557.0	4589.5	4614.0	4684.5	4836.5	4988.5	5197.5	5496.0	5474.3	5631.7	5791.9
10°	4334.4	4310.0	4318.1	4437.5	4557.0	4728.0	4991.2	5295.2	5373.9	5618.2	5846.2
12.5°	4125.4	4098.3	4163.4	4239.4	4386.0	4540.7	4855.5	5129.6	5249.1	5569.3	5870.6
15°	3995.1	3976.2	4057.6	4090.1	4263.8	4448.4	4671.0	5004.8	5135.1	5509.6	5832.6
17.5°	3921.9	3938.2	3968.0	4038.6	4149.9	4307.3	4551.5	4920.7	4977.7	5436.3	5824.4
20°	3935.4	3954.4	3957.2	3987.0	4063.0	4185.1	4434.8	4831.1	4869.1	5422.8	5846.2
22.5°	4044.0	4016.9	4027.7	4008.7	4030.4	4125.4	4345.3	4711.7	4858.2	5308.8	5800.0
25°	4206.8	4168.9	4163.4	4098.3	4057.6	4084.7	4329.0	4681.8	4776.8	5273.5	5797.3
27.5°	4494.5	4437.5	4437.5	4339.8	4174.3	4130.9	4282.8	4633.0	4717.1	5240.9	5734.9
30°	4771.4	4771.4	4774.1	4635.7	4451.1	4236.7	4301.8	4614.0	4668.2	5143.2	5650.7
32.5°	5107.9	5099.8	5086.2	5018.4	4733.4	4413.1	4394.1	4589.5	4616.7	5110.6	5626.3
35°	5436.3	5414.6	5520.5	5460.8	5170.4	4757.8	4489.1	4600.4	4660.1	5061.8	5550.3
37.5°	5683.3	5696.9	5916.7	5954.7	5705.0	5148.6	4757.8	4709.0	4766.0	5132.4	5550.3
40°	6003.6	6057.9	6264.1	6391.7	6239.7	5664.3	5183.9	4890.8	4931.5	5289.8	5669.7
42.5°	6424.3	6470.4	6733.7	6899.2	6855.8	6321.1	5604.6	5270.8	5238.2	5553.0	5848.9
45°	6980.7	6988.8	7254.8	7482.8	7572.3	7007.8	6272.3	5751.2	5724.0	6006.3	6177.3
47.5°	7642.9	7634.8	7800.3	8044.6	8286.1	7827.5	7040.4	6481.3	6383.6	6655.0	6722.8
50°	8283.4	8248.1	8286.1	8598.3	9062.4	8853.4	7974.0	7374.2	7276.5	7425.8	7542.5
52.5°	8636.3	8679.7	8576.5	8989.1	9887.5	10066.6	9211.6	8440.8	8356.7	8430.0	8633.5
55°	8389.3	8478.8	8411.0	8801.8	10248.4	11545.8	10813.0	9675.8	9567.2	9540.0	9873.9
57.5°	7338.9	7501.8	7515.3	8134.1	10123.6	12691.1	13065.7	11133.2	10970.4	10693.5	11038.2
60°	5634.5	5797.3	5922.2	6655.0	9054.2	13375.1	15676.6	13206.8	12669.4	11952.9	12159.1
62.5°	3949.0	4060.3	4185.1	4635.7	6980.7	12973.4	17934.7	16127.2	15136.5	13280.1	13537.9
65°	2876.9	2963.8	3091.4	3357.3	4288.3	10734.2	18982.4	19595.8	18656.7	14968.2	14935.7
67.5°	2165.8	2220.1	2388.4	2814.5	2971.9	6630.5	17896.7	23259.8	22499.9	16843.7	16059.3
70°	1639.3	1685.5	1842.9	2426.4	2776.5	3555.5	14118.7	24076.7	24293.9	18947.1	16813.8
72.5°	1129.1	1180.6	1357.0	2022.0	2643.5	2819.9	8861.5	21872.9	22695.3	19812.9	16005.0
75°	692.1	727.4	830.5	1533.5	2624.5	2757.5	4877.2	17923.9	18795.1	18306.6	14002.0
77.5°	488.5	485.8	504.8	898.4	2274.4	2773.8	3007.2	13133.5	13980.3	13491.8	9502.0
80°	355.5	358.3	377.3	537.4	1544.3	2819.9	2369.4	8796.4	9048.8	7034.9	3748.2
82.5°	214.4	225.3	271.4	363.7	928.2	2545.8	2190.3	4888.1	4573.3	2258.1	1031.4
85°	114.0	114.0	160.1	230.7	494.0	1899.9	2108.9	2326.0	1948.7	700.2	382.7
87.5°	27.1	27.1	46.1	92.3	198.1	909.2	1438.5	925.5	740.9	236.1	157.4
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°	5675.2	5675.2	5675.2	5675.2	5675.2	5675.2	5675.2	5675.2	5675.2	5675.2	5675.2
2.5°	5737.6	5705.0	5745.7	5664.3	5599.2	5601.9	5501.5	5496.0	5482.5	5411.9	5436.3
5°	5802.7	5775.6	5729.5	5639.9	5496.0	5352.2	5265.3	5154.1	5107.9	5083.5	5094.4
7.5°	5865.2	5816.3	5683.3	5558.5	5335.9	5064.5	4907.1	4757.8	4567.8	4546.1	4508.1
10°	5881.4	5778.3	5607.3	5341.3	5045.5	4744.2	4386.0	4109.1	3962.6	3848.6	3805.2
12.5°	5857.0	5813.6	5485.2	5143.2	4695.4	4223.1	3805.2	3414.3	3142.9	3001.8	2963.8
15°	5854.3	5778.3	5349.5	4841.9	4269.3	3653.2	3058.8	2589.2	2304.3	2187.6	2187.6
17.5°	5857.0	5675.2	5189.4	4538.0	3767.2	2933.9	2279.8	1894.4	1737.0	1720.7	1734.3
20°	5802.7	5599.2	5021.1	4179.7	3137.5	2203.8	1655.6	1498.2	1498.2	1519.9	1528.0
22.5°	5753.9	5485.2	4755.1	3737.3	2497.0	1595.9	1346.2	1300.1	1351.6	1389.6	1405.9
25°	5686.0	5390.2	4483.7	3278.6	1899.9	1286.5	1169.8	1180.6	1229.5	1297.3	1291.9
27.5°	5588.3	5224.6	4160.7	2746.7	1414.0	1110.1	1080.2	1085.6	1137.2	1167.1	1161.6
30°	5477.0	5056.4	3862.2	2217.4	1120.9	1017.8	1015.1	1028.6	1036.8	1053.1	1050.4
32.5°	5335.9	4833.8	3544.6	1723.5	1009.6	966.2	955.4	947.2	955.4	952.6	944.5
35°	5235.5	4714.4	3221.6	1313.6	947.2	920.1	911.9	898.4	887.5	871.2	868.5
37.5°	5208.4	4595.0	2882.4	1072.1	898.4	884.8	857.7	833.2	819.7	811.5	806.1
40°	5192.1	4516.3	2551.3	941.8	857.7	844.1	811.5	778.9	765.4	757.2	759.9
42.5°	5249.1	4472.8	2214.7	876.7	822.4	797.9	762.7	724.7	721.9	716.5	724.7
45°	5449.9	4527.1	1902.6	830.5	787.1	746.4	700.2	681.2	678.5	673.1	678.5
47.5°	5905.9	4662.8	1636.6	800.7	749.1	713.8	665.0	637.8	635.1	632.4	632.4
50°	6535.5	5080.8	1414.0	765.4	724.7	675.8	629.7	599.8	594.4	583.5	583.5
52.5°	7523.5	5783.7	1281.1	746.4	681.2	640.5	591.7	559.1	545.5	534.7	534.7
55°	8636.3	6655.0	1256.6	713.8	635.1	597.1	553.7	521.1	507.5	494.0	488.5
57.5°	9903.7	7808.5	1430.3	692.1	602.5	553.7	504.8	475.0	464.1	450.5	445.1
60°	11084.4	8959.2	1970.4	659.5	572.7	513.0	464.1	434.3	420.7	407.1	407.1
62.5°	12449.6	10384.1	2885.1	659.5	545.5	469.5	420.7	399.0	390.8	377.3	374.5
65°	14064.4	11857.9	3552.8	700.2	537.4	431.5	380.0	358.3	350.1	342.0	339.3
67.5°	15293.9	12704.7	3056.1	808.8	572.7	399.0	339.3	325.7	320.3	312.1	306.7
70°	15424.2	12189.0	1842.9	873.9	608.0	366.4	304.0	290.4	290.4	282.3	276.8
72.5°	14254.4	10815.7	1240.3	778.9	551.0	328.4	268.7	257.8	252.4	247.0	244.3
75°	11928.5	9173.6	979.8	621.5	423.4	271.4	233.4	222.6	214.4	211.7	206.3
77.5°	8012.0	5962.9	724.7	485.8	312.1	219.8	195.4	184.6	176.4	173.7	165.6
80°	3077.8	2271.7	466.8	352.8	219.8	173.7	154.7	143.8	138.4	130.3	124.8
82.5°	906.5	735.5	260.6	217.1	141.1	119.4	111.3	103.1	95.0	86.9	84.1
85°	374.5	336.5	160.1	114.0	86.9	70.6	65.1	57.0	48.9	43.4	38.0
87.5°	173.7	143.8	73.3	43.4	29.9	16.3	8.1	2.7	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)