

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: P479968

Luminaire Tested: **IFLD-S-SA6D-722-U-SL2**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479968  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-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**

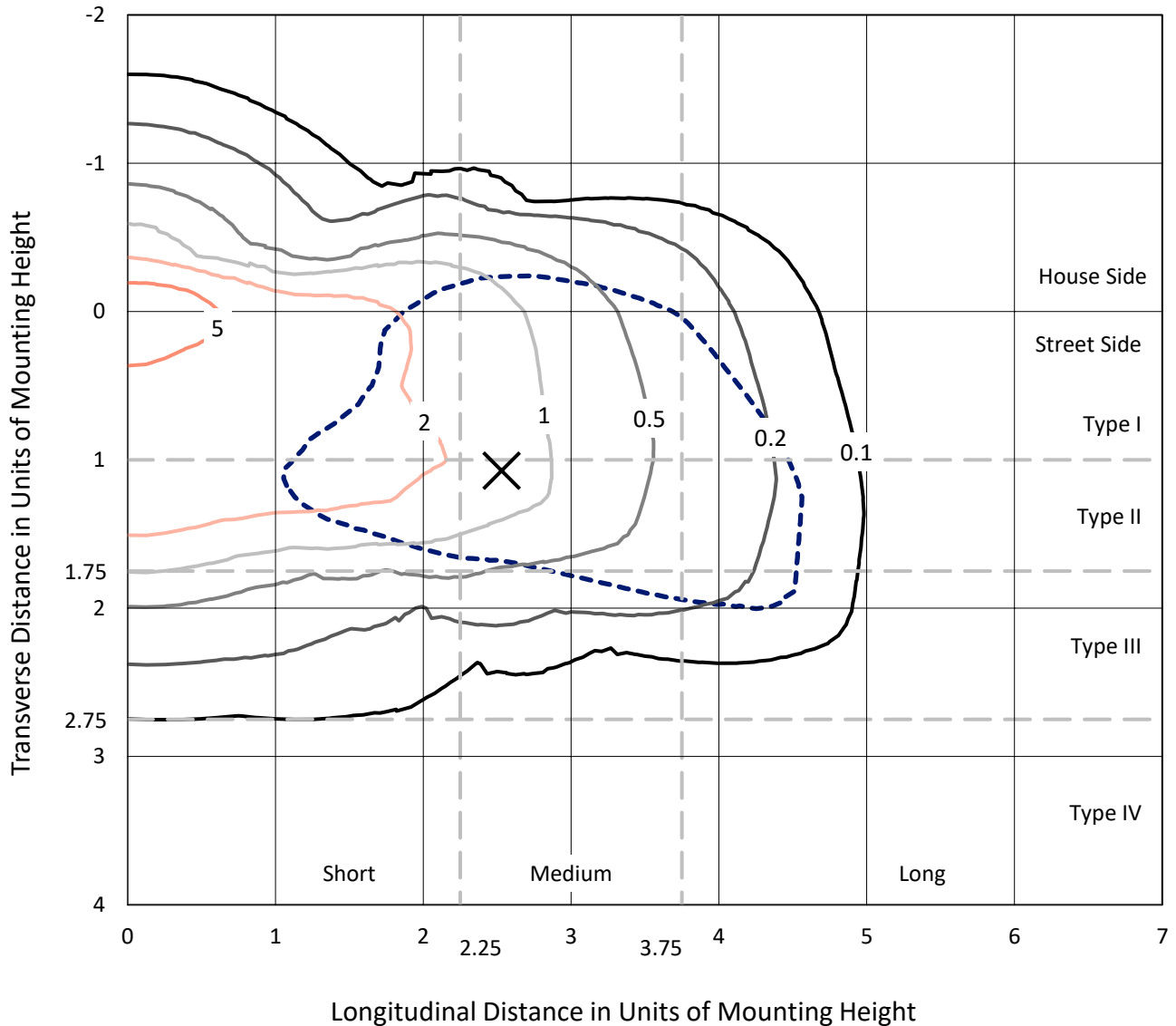
Lumens per Lamp: N/A  
Luminaire Lumens: 33579.6 lumens  
Efficiency: N/A  
Efficacy: 91.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

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

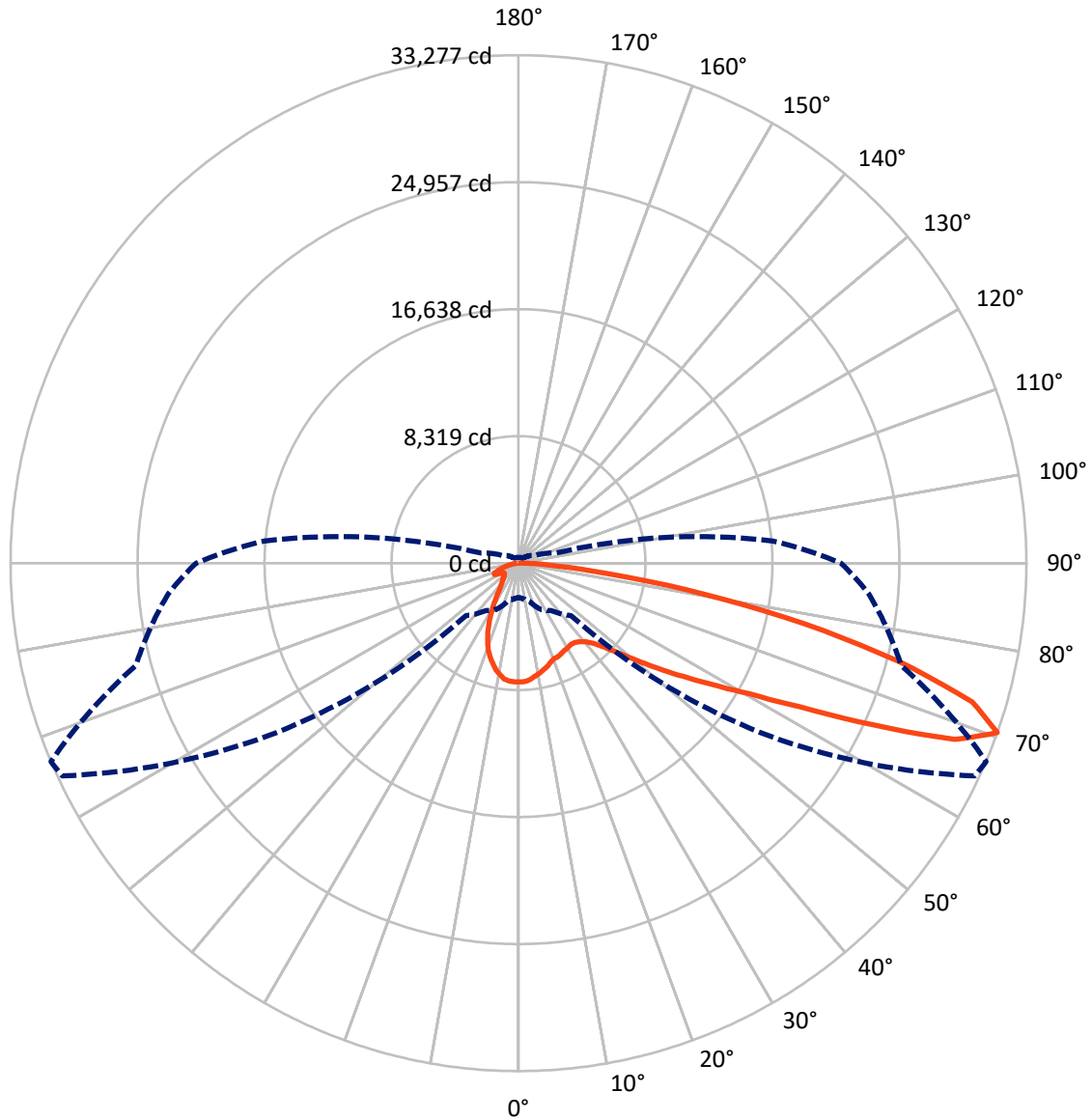
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.7 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
<b>House Side</b>	Lumens	6539.9	0.0	6539.9
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	27039.7	0.0	27039.7
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	33579.6	0.0	33579.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	678.3	2.0
10°-20°	1624.4	4.8
20°-30°	2193.6	6.5
30°-40°	2935.3	8.7
40°-50°	4316.3	12.9
50°-60°	6728.0	20.0
60°-70°	8287.8	24.7
70°-80°	5856.1	17.4
80°-90°	959.8	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°	33579.6	100.0
0°-180°	33579.6	100.0

**Coefficient of Utilization**



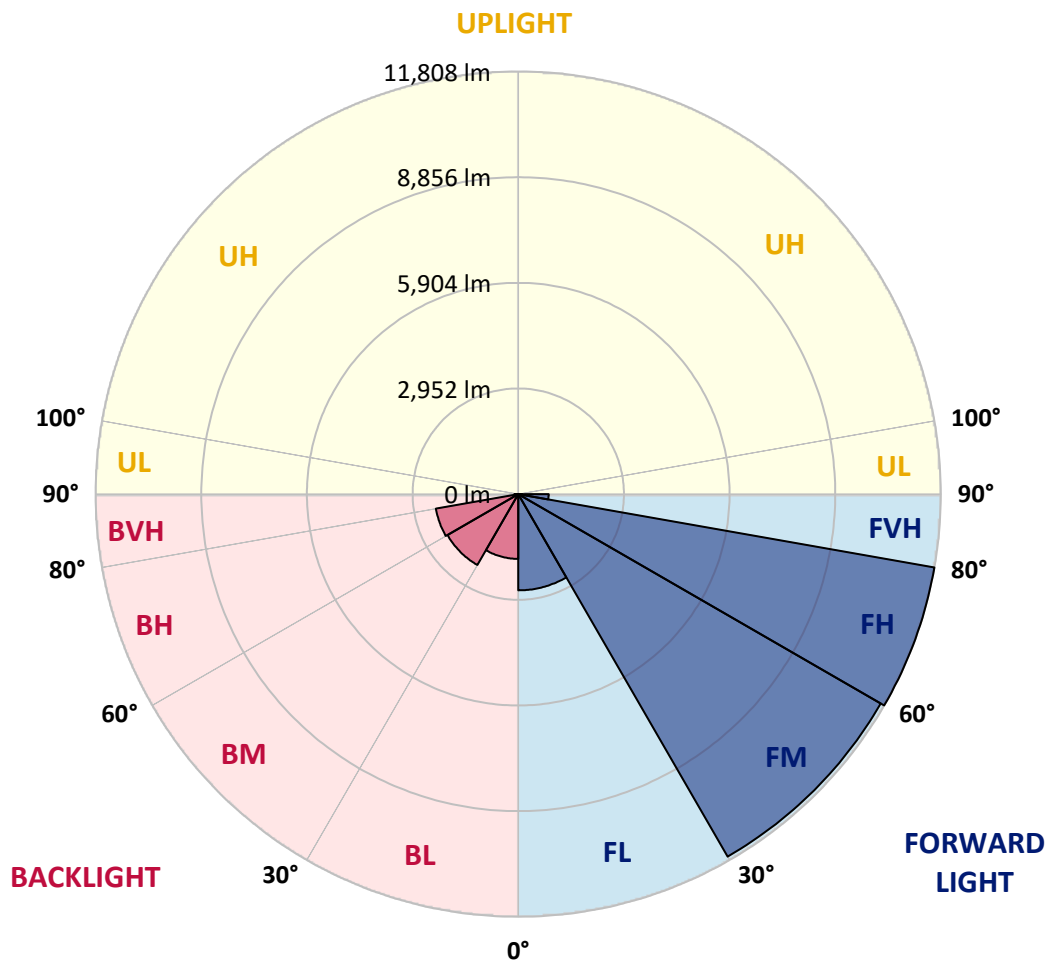
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2687.8	8.0			
FM (30°-60°)	11695.1	34.8			
FH (60°-80°)	11807.7	35.2			G4/12000
FVH (80°-90°)	849.1	2.5			G5
BL (0°-30°)	1808.5	5.4	B3/2500		
BM (30°-60°)	2284.5	6.8	B2/2500		
BH (60°-80°)	2336.2	7.0	B3/2500		G3/2500
BVH (80°-90°)	110.7	0.3			G2/225
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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	7773.6	7773.6	7773.6	7773.6	7773.6	7773.6	7773.6	7773.6	7773.6	7773.6	7773.6
2.5°	7238.2	7320.0	7349.8	7394.4	7509.6	7595.1	7647.2	7706.7	7777.3	7836.8	7874.0
5°	6732.6	6777.2	6847.9	6896.2	7041.2	7271.7	7427.8	7680.6	7673.2	7766.1	7907.4
7.5°	6241.9	6286.5	6320.0	6416.6	6624.8	6833.0	7119.3	7528.2	7498.5	7714.1	7933.4
10°	5937.1	5903.6	5914.8	6078.3	6241.9	6476.1	6836.7	7253.1	7360.9	7695.5	8007.8
12.5°	5650.8	5613.6	5702.9	5806.9	6007.7	6219.6	6650.8	7026.3	7189.9	7628.6	8041.2
15°	5472.4	5446.3	5557.9	5602.5	5840.4	6093.2	6398.1	6855.3	7033.8	7546.8	7989.2
17.5°	5372.0	5394.3	5435.2	5531.8	5684.3	5899.9	6234.5	6740.1	6818.1	7446.4	7978.0
20°	5390.6	5416.6	5420.3	5461.2	5565.3	5732.6	6074.6	6617.4	6669.4	7427.8	8007.8
22.5°	5539.3	5502.1	5517.0	5490.9	5520.7	5650.8	5951.9	6453.8	6654.6	7271.7	7944.6
25°	5762.3	5710.3	5702.9	5613.6	5557.9	5595.0	5929.6	6412.9	6543.0	7223.4	7940.9
27.5°	6156.4	6078.3	6078.3	5944.5	5717.7	5658.2	5866.4	6346.0	6461.2	7178.8	7855.4
30°	6535.6	6535.6	6539.3	6349.7	6096.9	5803.2	5892.5	6320.0	6394.3	7044.9	7740.1
32.5°	6996.6	6985.4	6966.8	6873.9	6483.6	6044.9	6018.9	6286.5	6323.7	7000.3	7706.7
35°	7446.4	7416.7	7561.7	7479.9	7082.1	6517.0	6149.0	6301.4	6383.2	6933.4	7602.6
37.5°	7784.7	7803.3	8104.4	8156.5	7814.5	7052.4	6517.0	6450.1	6528.2	7030.0	7602.6
40°	8223.4	8297.8	8580.3	8755.0	8546.8	7758.7	7100.7	6699.2	6754.9	7245.7	7766.1
42.5°	8799.6	8862.8	9223.5	9450.2	9390.7	8658.4	7676.9	7219.6	7175.0	7606.3	8011.5
45°	9561.8	9572.9	9937.2	10249.5	10372.2	9598.9	8591.5	7877.7	7840.5	8227.1	8461.3
47.5°	10468.9	10457.7	10684.5	11019.1	11349.9	10721.7	9643.5	8877.7	8743.9	9115.6	9208.6
50°	11346.2	11297.9	11349.9	11777.5	12413.2	12126.9	10922.4	10100.8	9967.0	10171.4	10331.3
52.5°	11829.5	11889.0	11747.7	12312.8	13543.3	13788.7	12617.7	11561.8	11446.6	11547.0	11825.8
55°	11491.2	11613.9	11521.0	12056.3	14037.8	15814.8	14811.1	13253.4	13104.7	13067.5	13524.8
57.5°	10052.5	10275.5	10294.1	11141.8	13866.8	17383.7	17896.7	15249.7	15026.7	14647.5	15119.6
60°	7717.8	7940.9	8111.9	9115.6	12402.0	18320.5	21473.1	18090.0	17353.9	16372.5	16655.0
62.5°	5409.2	5561.6	5732.6	6349.7	9561.8	17770.3	24566.1	22090.2	20733.3	18190.4	18543.6
65°	3940.7	4059.7	4234.4	4598.7	5873.9	14703.2	26001.1	26841.3	25555.0	20502.8	20458.1
67.5°	2966.7	3041.0	3271.5	3855.2	4070.8	9082.2	24514.1	31860.1	30819.2	23071.6	21997.2
70°	2245.5	2308.7	2524.3	3323.6	3803.1	4870.1	19339.1	32979.1	33276.6	25952.8	23030.8
72.5°	1546.5	1617.2	1858.8	2769.6	3621.0	3862.6	12138.1	29960.4	31086.9	27138.7	21922.9
75°	948.0	996.3	1137.6	2100.5	3595.0	3777.1	6680.6	24551.3	25744.6	25075.4	19179.3
77.5°	669.2	665.5	691.5	1230.5	3115.4	3799.4	4119.1	17989.6	19149.5	18480.4	13015.4
80°	487.0	490.7	516.8	736.1	2115.3	3862.6	3245.5	12048.9	12394.6	9636.1	5134.1
82.5°	293.7	308.6	371.8	498.2	1271.4	3487.1	3000.1	6695.5	6264.2	3093.1	1412.7
85°	156.1	156.1	219.3	316.0	676.6	2602.3	2888.6	3186.0	2669.3	959.1	524.2
87.5°	37.2	37.2	63.2	126.4	271.4	1245.4	1970.3	1267.7	1014.9	323.4	215.6
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°	7773.6	7773.6	7773.6	7773.6	7773.6	7773.6	7773.6	7773.6	7773.6	7773.6	7773.6
2.5°	7859.1	7814.5	7870.2	7758.7	7669.5	7673.2	7535.6	7528.2	7509.6	7413.0	7446.4
5°	7948.3	7911.1	7847.9	7725.2	7528.2	7331.2	7212.2	7059.8	6996.6	6963.1	6978.0
7.5°	8033.8	7966.9	7784.7	7613.7	7308.9	6937.1	6721.5	6517.0	6256.8	6227.0	6175.0
10°	8056.1	7914.8	7680.6	7316.3	6911.1	6498.4	6007.7	5628.5	5427.7	5271.6	5212.1
12.5°	8022.7	7963.2	7513.3	7044.9	6431.5	5784.6	5212.1	4676.8	4305.0	4111.7	4059.7
15°	8018.9	7914.8	7327.5	6632.3	5847.8	5003.9	4189.8	3546.6	3156.3	2996.4	2996.4
17.5°	8022.7	7773.6	7108.1	6215.9	5160.1	4018.8	3122.8	2594.9	2379.3	2357.0	2375.6
20°	7948.3	7669.5	6877.6	5725.2	4297.6	3018.7	2267.8	2052.1	2052.1	2081.9	2093.0
22.5°	7881.4	7513.3	6513.3	5119.2	3420.2	2186.0	1843.9	1780.7	1851.4	1903.4	1925.7
25°	7788.4	7383.2	6141.5	4490.9	2602.3	1762.2	1602.3	1617.2	1684.1	1777.0	1769.6
27.5°	7654.6	7156.4	5699.1	3762.2	1936.9	1520.5	1479.6	1487.1	1557.7	1598.6	1591.1
30°	7502.2	6926.0	5290.2	3037.3	1535.4	1394.1	1390.4	1409.0	1420.1	1442.4	1438.7
32.5°	7308.9	6621.1	4855.2	2360.7	1383.0	1323.5	1308.6	1297.5	1308.6	1304.9	1293.7
35°	7171.3	6457.5	4412.8	1799.3	1297.5	1260.3	1249.1	1230.5	1215.7	1193.4	1189.6
37.5°	7134.1	6294.0	3948.1	1468.5	1230.5	1211.9	1174.8	1141.3	1122.7	1111.6	1104.1
40°	7111.8	6186.1	3494.6	1290.0	1174.8	1156.2	1111.6	1067.0	1048.4	1037.2	1040.9
42.5°	7189.9	6126.7	3033.6	1200.8	1126.4	1093.0	1044.7	992.6	988.9	981.5	992.6
45°	7465.0	6201.0	2606.1	1137.6	1078.1	1022.3	959.1	933.1	929.4	922.0	929.4
47.5°	8089.6	6386.9	2241.7	1096.7	1026.1	977.7	910.8	873.6	869.9	866.2	866.2
50°	8952.1	6959.4	1936.9	1048.4	992.6	925.7	862.5	821.6	814.2	799.3	799.3
52.5°	10305.3	7922.3	1754.7	1022.3	933.1	877.4	810.4	765.8	747.2	732.4	732.4
55°	11829.5	9115.6	1721.3	977.7	869.9	817.9	758.4	713.8	695.2	676.6	669.2
57.5°	13565.7	10695.6	1959.2	948.0	825.3	758.4	691.5	650.6	635.7	617.1	609.7
60°	15182.8	12271.9	2699.0	903.4	784.4	702.6	635.7	594.8	576.2	557.6	557.6
62.5°	17052.8	14223.7	3951.8	903.4	747.2	643.2	576.2	546.5	535.3	516.8	513.0
65°	19264.8	16242.3	4866.4	959.1	736.1	591.1	520.5	490.7	479.6	468.4	464.7
67.5°	20948.9	17402.3	4186.1	1107.9	784.4	546.5	464.7	446.1	438.7	427.5	420.1
70°	21127.3	16695.9	2524.3	1197.1	832.8	501.9	416.4	397.8	397.8	386.6	379.2
72.5°	19525.0	14814.8	1699.0	1067.0	754.7	449.8	368.0	353.2	345.7	338.3	334.6
75°	16339.0	12565.6	1342.1	851.3	580.0	371.8	319.7	304.8	293.7	290.0	282.5
77.5°	10974.5	8167.6	992.6	665.5	427.5	301.1	267.7	252.8	241.6	237.9	226.8
80°	4215.8	3111.7	639.4	483.3	301.1	237.9	211.9	197.0	189.6	178.4	171.0
82.5°	1241.7	1007.5	356.9	297.4	193.3	163.6	152.4	141.3	130.1	119.0	115.2
85°	513.0	461.0	219.3	156.1	119.0	96.7	89.2	78.1	66.9	59.5	52.0
87.5°	237.9	197.0	100.4	59.5	40.9	22.3	11.2	3.7	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)