

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: P480433

Luminaire Tested: **IFLD-S-SA6A-730-U-SL3**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P480433
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-730-U-SL3
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

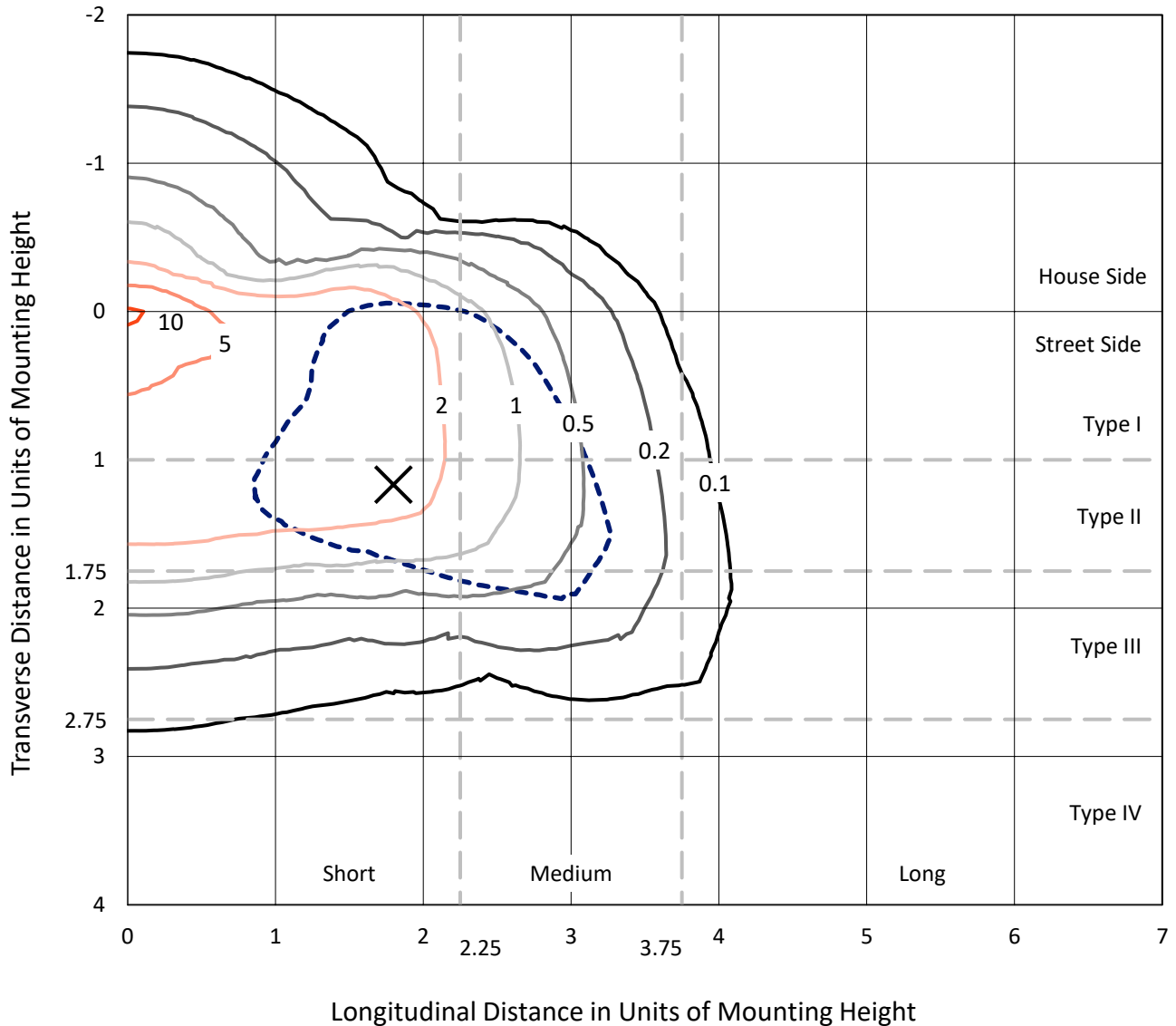
Lumens per Lamp: N/A
Luminaire Lumens: 24250.8 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 189.6
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

REPORT NUMBER: P480433
 CATALOG NUMBER: IFLD-S-SA6A-730-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

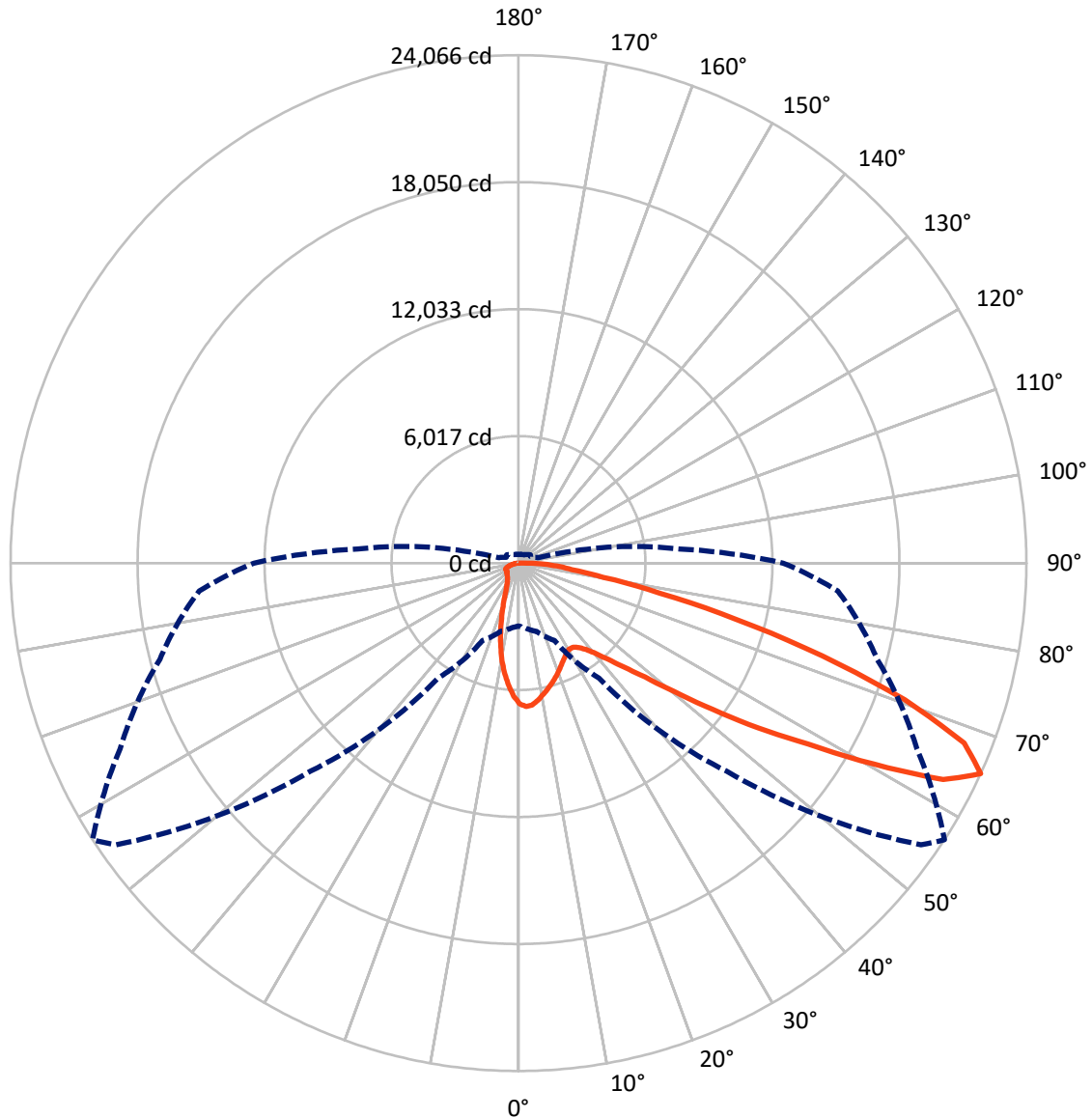
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
 Type III - Short - N/A

REPORT NUMBER: P480433
CATALOG NUMBER: IFLD-S-SA6A-730-U-SL3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P480433
 CATALOG NUMBER: IFLD-S-SA6A-730-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3719.1	0.0	3719.1
	% Fixture	15.3	0.0	15.3
Street Side	Lumens	20531.7	0.0	20531.7
	% Fixture	84.7	0.0	84.7
Total	Lumens	24250.8	0.0	24250.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	558.4	2.3
10°-20°	1201.9	5.0
20°-30°	1553.9	6.4
30°-40°	2091.0	8.6
40°-50°	3334.3	13.7
50°-60°	5889.1	24.3
60°-70°	6478.8	26.7
70°-80°	2710.2	11.2
80°-90°	433.1	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°	24250.8	100.0
0°-180°	24250.8	100.0

Coefficient of Utilization



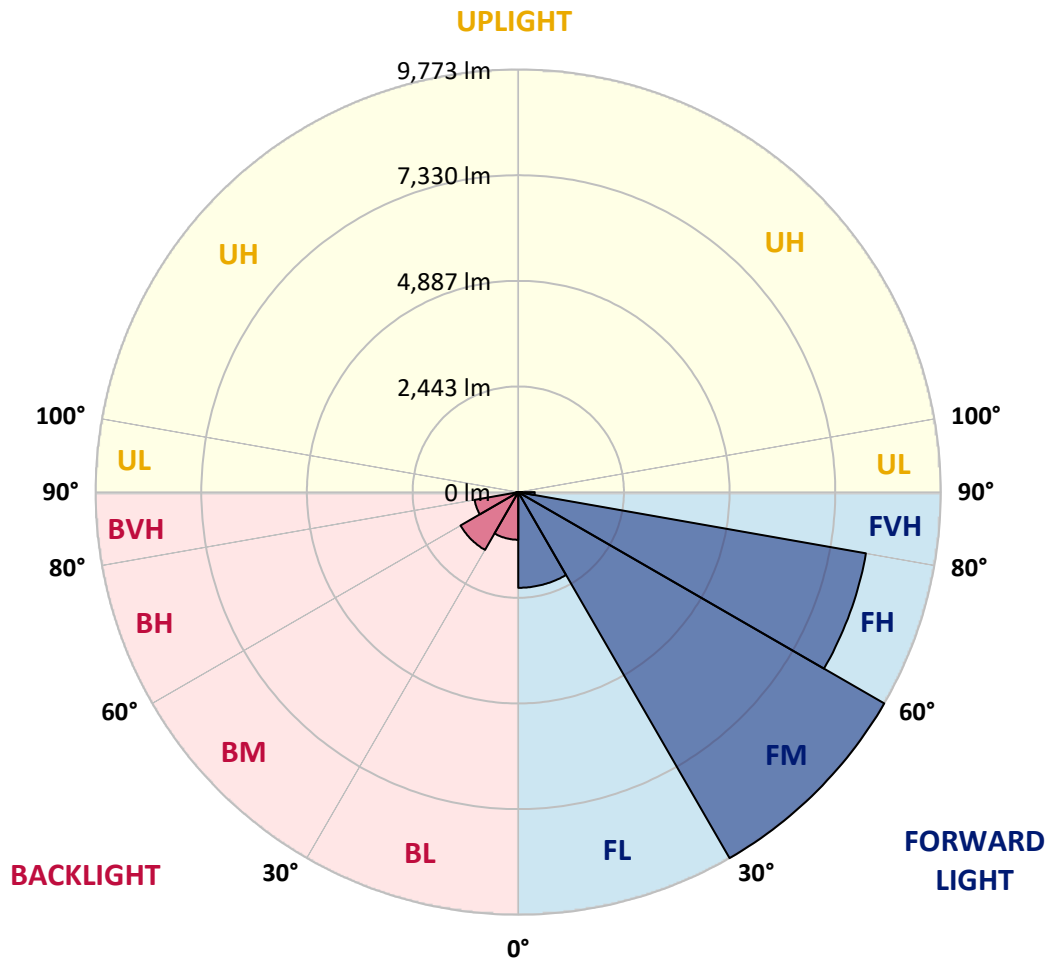
REPORT NUMBER: P480433
 CATALOG NUMBER: IFLD-S-SA6A-730-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2212.8	9.1			
FM (30°-60°)	9773.0	40.3			
FH (60°-80°)	8163.5	33.7			G4/12000
FVH (80°-90°)	382.3	1.6			G3/500
BL (0°-30°)	1101.4	4.5	B3/2500		
BM (30°-60°)	1541.4	6.4	B2/2500		
BH (60°-80°)	1025.5	4.2	B3/2500		G3/2500
BVH (80°-90°)	50.8	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





REPORT NUMBER: P480433

CATALOG NUMBER: IFLD-S-SA6A-730-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	6668.6	6668.6	6668.6	6668.6	6668.6	6668.6	6668.6	6668.6	6668.6	6668.6	6668.6
2.5°	6848.7	6859.6	6859.6	6881.5	6807.8	6843.3	6837.8	6805.1	6816.0	6758.7	6701.4
5°	6655.0	6646.8	6690.5	6695.9	6753.2	6769.6	6783.2	6761.4	6766.9	6641.3	6586.8
7.5°	6158.4	6155.7	6229.3	6292.1	6412.1	6524.0	6597.7	6575.9	6605.9	6526.7	6398.5
10°	5569.0	5631.8	5708.2	5770.9	5991.9	6133.8	6324.8	6343.9	6458.5	6439.4	6207.5
12.5°	5127.0	5154.3	5211.6	5391.7	5593.6	5828.2	6101.1	6125.6	6237.5	6292.1	6090.2
15°	4764.1	4788.6	4862.3	4996.0	5222.5	5500.8	5847.3	5910.1	6133.8	6152.9	5937.4
17.5°	4499.4	4518.5	4567.6	4701.3	4886.9	5244.3	5571.7	5683.6	5978.3	6071.1	5779.1
20°	4395.7	4354.8	4382.1	4466.7	4652.2	4927.8	5350.7	5449.0	5825.5	6008.3	5629.0
22.5°	4349.3	4313.9	4330.2	4324.8	4472.1	4668.6	5113.3	5217.0	5680.9	5934.6	5495.3
25°	4384.8	4384.8	4368.4	4354.8	4371.2	4499.4	4856.9	5017.8	5487.2	5871.9	5358.9
27.5°	4575.8	4502.1	4510.3	4453.0	4436.7	4436.7	4742.3	4837.8	5424.4	5836.4	5247.0
30°	4698.6	4734.1	4736.8	4652.2	4567.6	4414.8	4635.8	4728.6	5372.6	5880.1	5181.6
32.5°	5012.4	4996.0	4949.6	4933.3	4807.7	4635.8	4687.7	4750.4	5342.5	5978.3	5200.7
35°	5326.2	5318.0	5320.7	5312.5	5181.6	4927.8	4826.8	4911.4	5397.1	6150.2	5266.1
37.5°	5650.9	5672.7	5765.5	5765.5	5626.3	5350.7	5217.0	5192.5	5596.3	6431.2	5421.7
40°	5975.6	6030.1	6147.5	6333.0	6136.6	5880.1	5664.5	5626.3	5836.4	6807.8	5795.5
42.5°	6286.6	6376.7	6608.6	6884.2	6818.7	6562.2	6275.7	6232.1	6330.3	7367.1	6316.6
45°	6685.0	6761.4	7127.0	7550.0	7640.0	7413.5	7077.9	7042.4	7037.0	8185.7	7034.3
47.5°	7290.7	7372.6	7738.2	8163.9	8442.2	8477.7	8101.1	8062.9	7932.0	9290.8	8084.8
50°	8049.3	8183.0	8491.3	8987.9	9391.7	9771.0	9664.6	9552.7	9296.2	10575.9	9416.3
52.5°	8603.2	8766.9	9184.4	9820.1	10532.3	11135.3	11517.3	11517.3	10927.9	11986.6	11018.0
55°	8750.5	8848.8	9375.4	10294.9	11514.6	13039.8	13839.3	13779.3	12870.7	13471.0	12881.6
57.5°	8163.9	8292.1	8930.6	9893.8	12030.3	14821.6	16145.0	16158.6	14993.5	15195.4	14720.6
60°	6548.6	6589.5	7342.6	8630.5	11533.7	16256.8	19293.7	19345.6	17408.3	16731.6	15656.5
62.5°	4526.7	4657.7	5225.2	6354.8	9555.5	16095.8	22330.6	22587.1	19342.8	17542.0	15803.9
65°	2979.6	3058.7	3361.6	4049.2	6652.3	13951.2	23274.7	24066.0	20821.7	17588.4	15187.2
67.5°	2161.0	2174.7	2264.7	2619.4	3997.4	10033.0	21662.1	22778.1	21375.6	17200.9	13741.1
70°	1746.3	1757.2	1789.9	2016.4	2581.2	6278.4	17667.5	19416.5	19713.9	15364.6	11067.1
72.5°	1418.9	1432.5	1473.4	1686.3	2128.3	3492.6	12919.8	15050.8	16035.8	11367.2	7356.2
75°	1116.0	1126.9	1225.1	1435.2	2000.0	2398.4	8570.4	10657.8	10791.5	6644.1	3443.5
77.5°	764.0	783.1	903.2	1216.9	1882.7	2098.3	5342.5	6826.9	6125.6	2600.3	1184.2
80°	485.7	513.0	583.9	922.3	1664.4	2002.8	3323.4	4076.5	2682.2	889.5	570.3
82.5°	286.5	313.8	384.7	597.6	1307.0	1858.2	2341.1	2551.2	1257.9	455.7	343.8
85°	158.3	177.4	231.9	360.2	766.7	1650.8	1874.5	1830.9	720.3	242.8	215.6
87.5°	51.8	60.0	84.6	144.6	316.5	777.6	1124.2	1056.0	373.8	111.9	84.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P480433
 CATALOG NUMBER: IFLD-S-SA6A-730-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6668.6	6668.6	6668.6	6668.6	6668.6	6668.6	6668.6	6668.6	6668.6	6668.6	6668.6
2.5°	6663.2	6655.0	6532.2	6439.4	6281.2	6150.2	6098.4	6027.4	6024.7	5972.8	5959.2
5°	6502.2	6417.6	6229.3	6049.2	5768.2	5579.9	5408.0	5288.0	5238.9	5132.4	5107.9
7.5°	6294.8	6182.9	5893.7	5555.4	5225.2	4930.5	4663.1	4395.7	4245.7	4193.8	4136.5
10°	6079.3	5882.8	5454.4	5075.1	4614.0	4161.1	3740.9	3364.3	3159.7	3015.1	2952.3
12.5°	5907.4	5645.4	5099.7	4532.2	3923.7	3317.9	2829.5	2433.9	2202.0	2092.8	2043.7
15°	5713.6	5367.1	4712.2	3994.6	3236.1	2548.5	2071.0	1759.9	1667.2	1615.3	1607.1
17.5°	5509.0	5107.9	4292.0	3465.3	2564.9	1918.2	1609.9	1484.3	1443.4	1421.6	1410.7
20°	5318.0	4876.0	3860.9	2875.9	2008.2	1538.9	1394.3	1328.8	1326.1	1337.0	1334.3
22.5°	5047.9	4573.1	3435.3	2330.2	1604.4	1339.7	1247.0	1230.6	1247.0	1260.6	1266.1
25°	4895.1	4324.8	2960.5	1850.0	1326.1	1189.7	1159.6	1154.2	1178.7	1195.1	1192.4
27.5°	4736.8	4068.3	2518.5	1481.6	1162.4	1083.2	1077.8	1083.2	1107.8	1132.4	1129.6
30°	4614.0	3863.7	2103.7	1238.8	1036.9	1006.8	1001.4	1006.8	1020.5	1023.2	1023.2
32.5°	4513.1	3620.8	1751.7	1075.1	960.5	935.9	941.4	938.6	941.4	944.1	946.8
35°	4453.0	3476.2	1462.5	974.1	897.7	878.6	875.9	867.7	870.4	873.1	870.4
37.5°	4581.3	3405.3	1233.3	903.2	854.0	837.7	832.2	826.8	818.6	818.6	818.6
40°	4775.0	3367.1	1094.2	856.8	821.3	802.2	785.8	780.4	780.4	783.1	785.8
42.5°	5159.7	3429.8	998.7	821.3	780.4	758.5	742.2	744.9	753.1	761.3	755.8
45°	5716.4	3620.8	955.0	794.0	755.8	725.8	714.9	712.2	720.3	734.0	744.9
47.5°	6444.9	3918.2	938.6	769.5	739.4	698.5	684.9	693.1	704.0	723.1	714.9
50°	7637.3	4586.7	952.3	747.6	714.9	684.9	668.5	660.3	668.5	682.1	687.6
52.5°	9195.3	5800.9	1004.1	736.7	698.5	674.0	646.7	633.0	641.2	652.1	652.1
55°	11058.9	7459.9	1148.7	723.1	671.2	657.6	627.6	600.3	605.7	605.7	603.0
57.5°	12701.5	8712.3	1320.6	704.0	654.9	635.8	597.6	564.8	559.4	562.1	564.8
60°	13438.2	9045.2	1402.5	698.5	654.9	608.5	556.6	523.9	515.7	510.2	510.2
62.5°	13310.0	8469.5	1236.0	674.0	671.2	586.6	518.4	483.0	472.0	461.1	463.9
65°	12535.1	7648.2	974.1	641.2	674.0	573.0	480.2	444.8	425.7	412.0	409.3
67.5°	11118.9	6529.5	772.2	616.7	646.7	548.4	447.5	406.6	390.2	376.5	371.1
70°	8698.7	5118.8	671.2	583.9	581.2	488.4	409.3	373.8	349.3	332.9	332.9
72.5°	5640.0	3236.1	575.7	518.4	502.1	409.3	354.7	332.9	313.8	300.1	300.1
75°	2553.9	1503.4	463.9	433.8	409.3	327.4	300.1	289.2	272.9	259.2	259.2
77.5°	916.8	641.2	346.5	341.1	305.6	253.8	242.8	234.7	223.7	210.1	210.1
80°	513.0	406.6	259.2	248.3	212.8	188.3	174.6	174.6	169.2	161.0	158.3
82.5°	324.7	264.7	191.0	166.4	139.2	125.5	120.1	117.3	114.6	103.7	101.0
85°	204.6	180.1	125.5	98.2	81.9	62.8	60.0	57.3	51.8	46.4	46.4
87.5°	92.8	103.7	49.1	30.0	21.8	13.6	8.2	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)