

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: P483984

Luminaire Tested: **IFLD-S-SA6C-735-U-SL2-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P483984
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-735-U-SL2-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens with House Side Shield
Light Source: (96) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

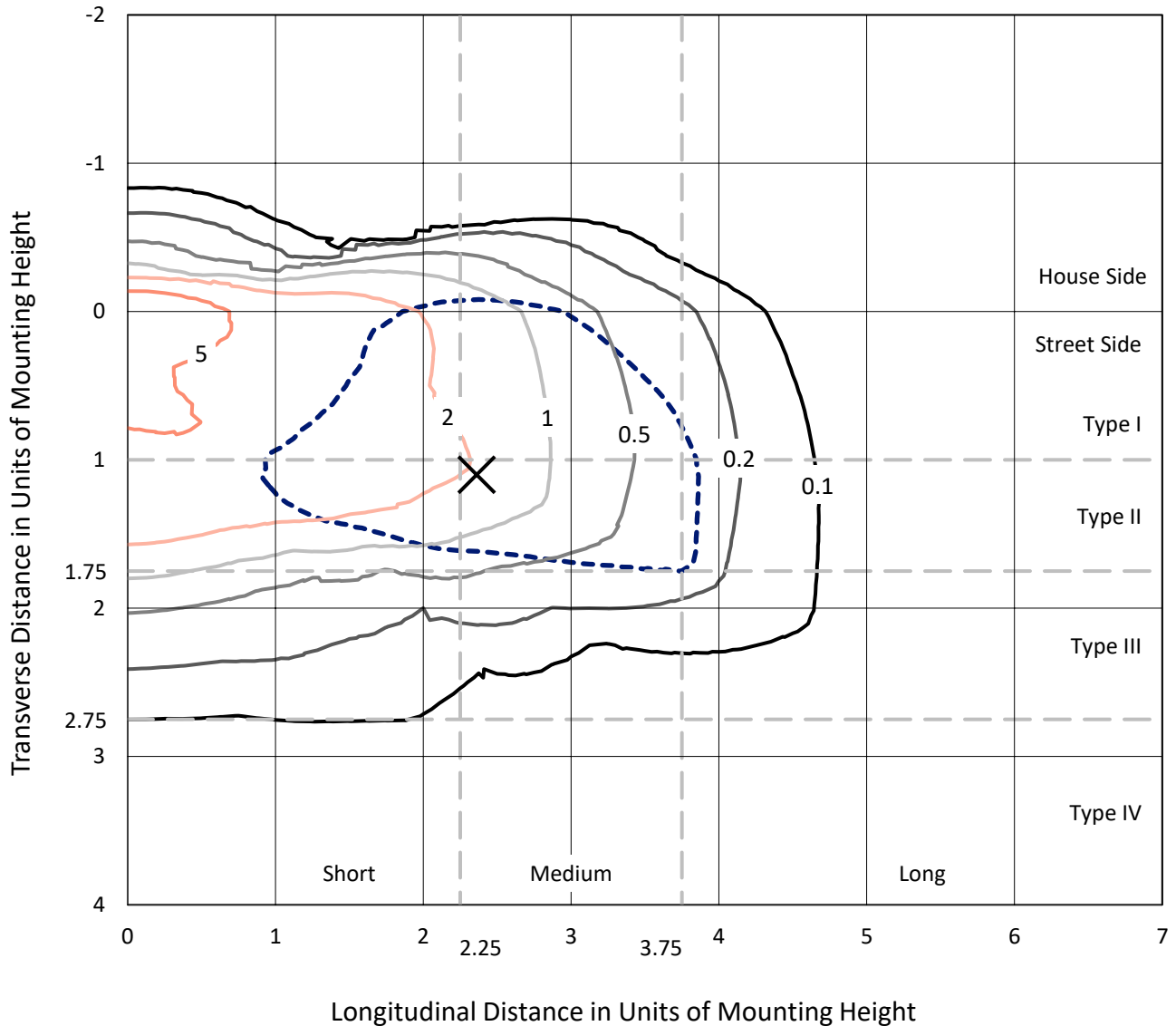
Lumens per Lamp: N/A
Luminaire Lumens: 33730.8 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 321.5
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

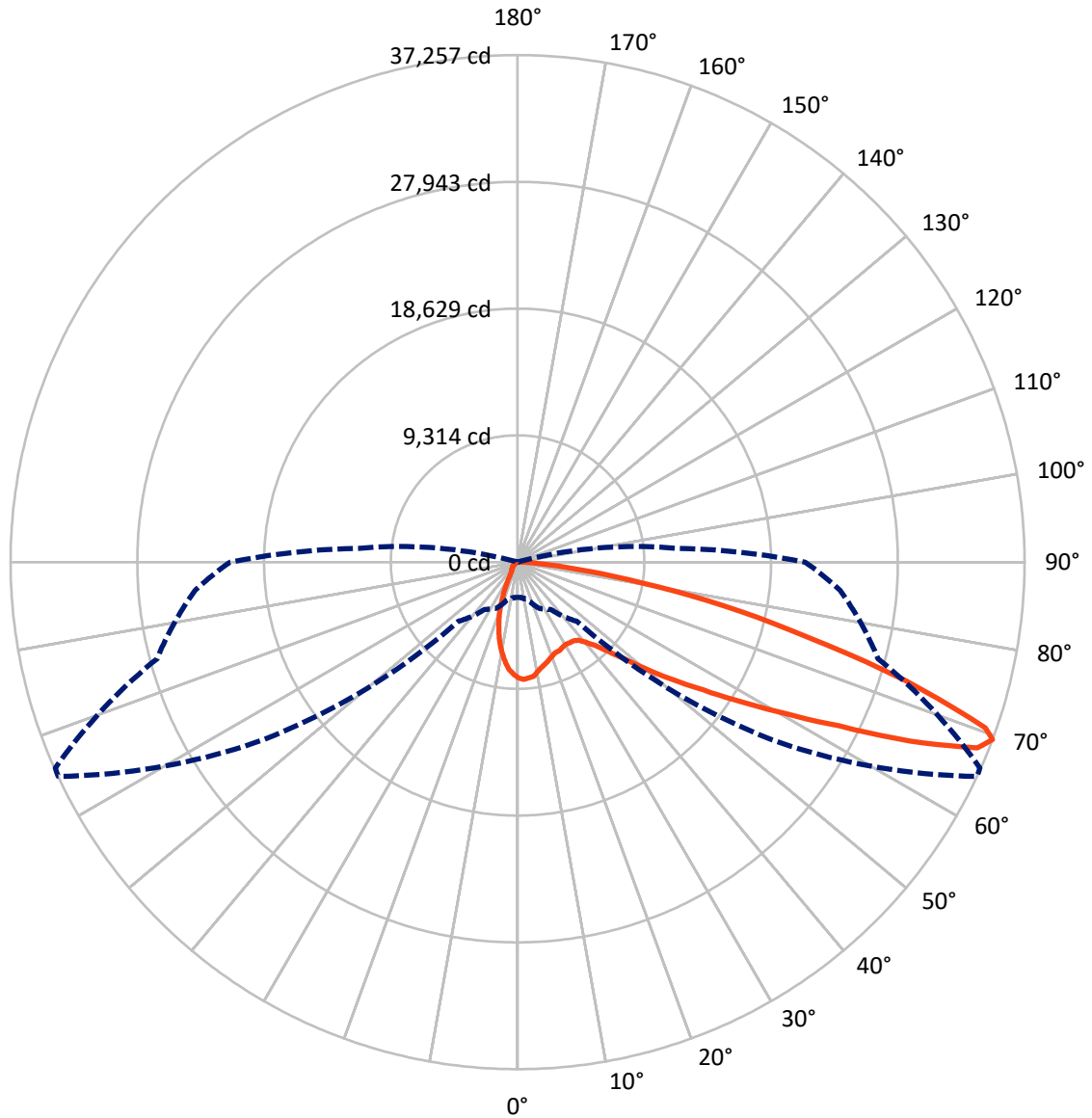
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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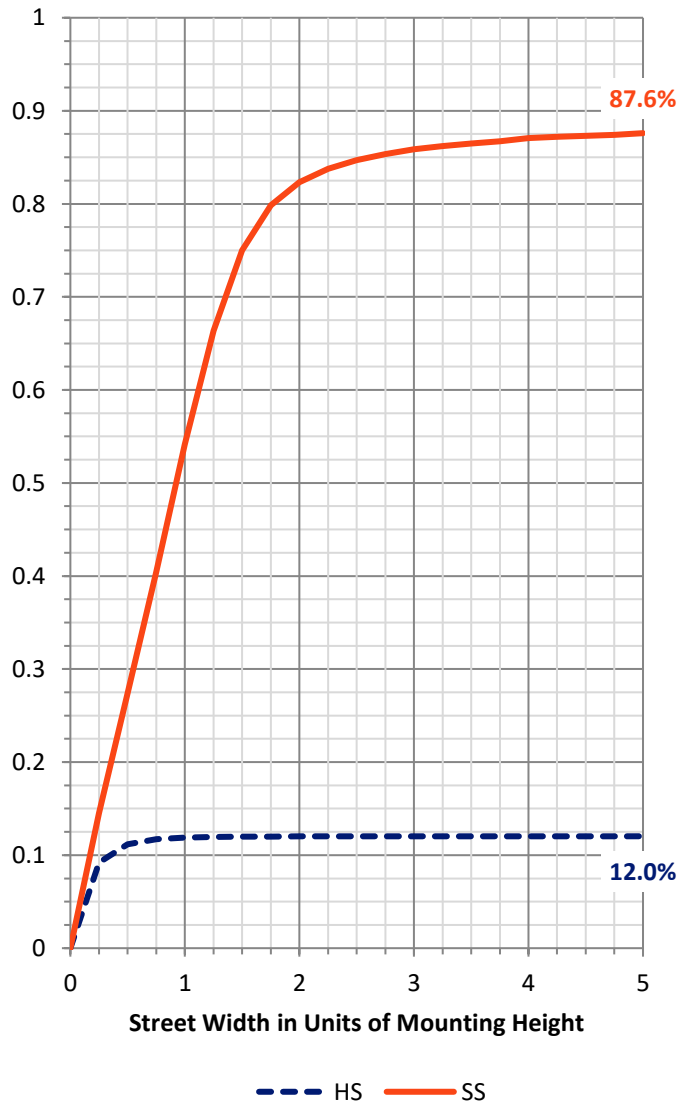
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4091.8	0.0	4091.8
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	29639.0	0.0	29639.0
	% Fixture	87.9	0.0	87.9
Total	Lumens	33730.8	0.0	33730.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	695.9	2.1
10°-20°	1522.7	4.5
20°-30°	2119.9	6.3
30°-40°	3004.1	8.9
40°-50°	4734.4	14.0
50°-60°	7682.3	22.8
60°-70°	8579.6	25.4
70°-80°	4831.3	14.3
80°-90°	560.6	1.7
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°	33730.8	100.0
0°-180°	33730.8	100.0

Coefficient of Utilization

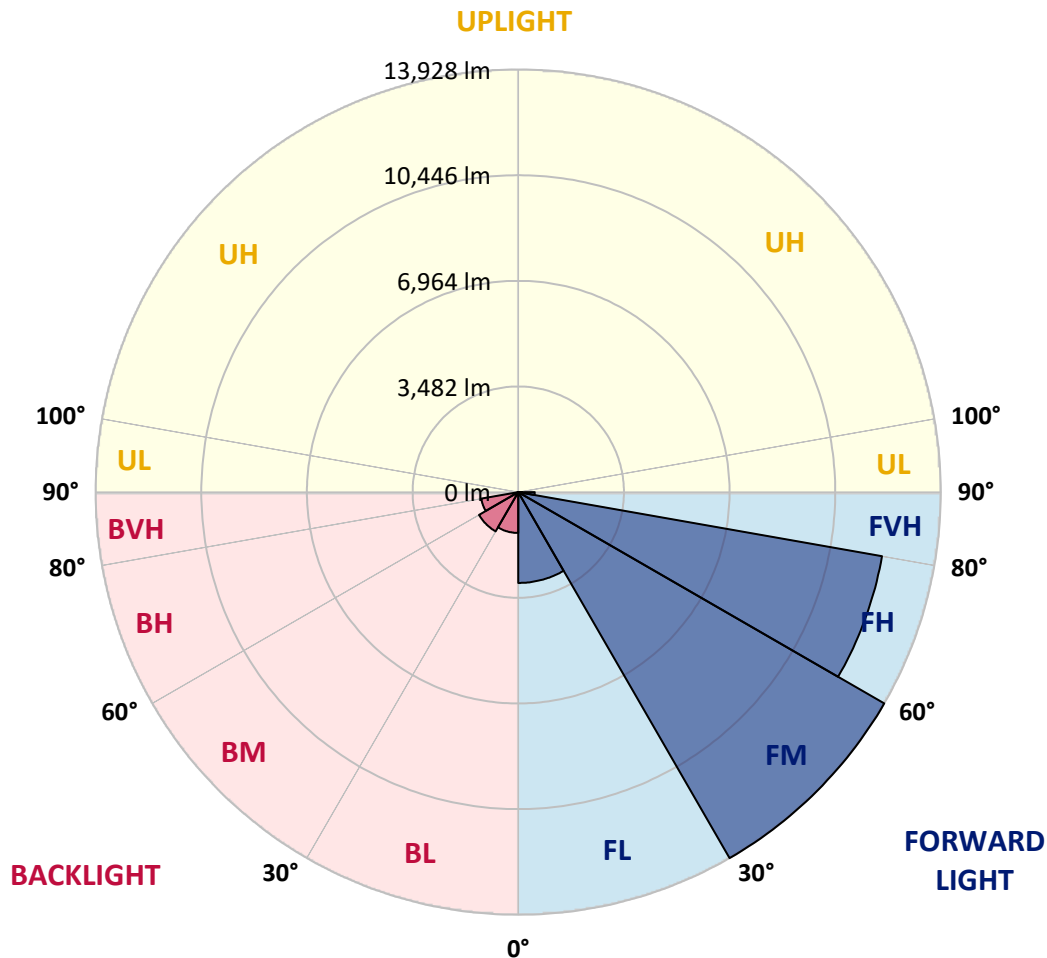


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2993.3	8.9			
FM (30°-60°)	13927.8	41.3			
FH (60°-80°)	12172.9	36.1			G5
FVH (80°-90°)	545.1	1.6			G4/750
BL (0°-30°)	1345.2	4.0	B3/2500		
BM (30°-60°)	1493.1	4.4	B2/2500		
BH (60°-80°)	1238.0	3.7	B3/2500		G3/2500
BVH (80°-90°)	15.5	0.0			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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	8504.3	8504.3	8504.3	8504.3	8504.3	8504.3	8504.3	8504.3	8504.3	8504.3	8504.3
2.5°	8190.4	8254.1	8272.3	8336.0	8367.8	8504.3	8581.7	8627.2	8604.4	8654.5	8659.0
5°	7607.9	7571.5	7667.1	7735.3	7880.9	8117.5	8358.7	8545.3	8631.7	8713.6	8700.0
7.5°	6984.6	6966.4	7061.9	7216.6	7348.6	7635.2	8022.0	8481.6	8463.4	8663.6	8722.7
10°	6556.8	6575.0	6606.9	6761.6	6957.2	7248.5	7730.8	8158.5	8254.1	8677.2	8795.5
12.5°	6165.5	6197.4	6256.5	6415.8	6643.3	6943.6	7412.3	7912.8	8058.4	8599.9	8836.5
15°	6038.1	5965.3	6083.6	6201.9	6438.5	6707.0	7102.9	7726.2	7789.9	8508.9	8904.7
17.5°	5933.5	5888.0	5942.6	6038.1	6288.4	6506.8	6879.9	7526.0	7644.3	8472.5	8895.6
20°	5965.3	5924.4	5947.1	6019.9	6133.7	6338.4	6684.2	7334.9	7462.3	8304.1	8882.0
22.5°	6056.3	6088.2	6047.2	6065.4	6101.8	6206.5	6579.6	7198.4	7307.6	8272.3	8959.3
25°	6465.8	6411.2	6356.6	6333.9	6120.0	6165.5	6547.7	7189.3	7266.7	8158.5	8895.6
27.5°	6893.5	6848.0	6825.3	6693.3	6402.1	6265.6	6552.3	7061.9	7166.6	8113.0	8818.3
30°	7412.3	7471.4	7380.4	7221.2	6816.2	6479.5	6602.3	6998.2	7143.8	7940.1	8768.2
32.5°	7958.3	7990.1	8035.6	7917.3	7394.1	6802.5	6752.5	7057.4	7066.5	7940.1	8654.5
35°	8577.1	8531.6	8649.9	8659.0	8199.5	7375.9	7039.2	7098.3	7193.9	7903.7	8613.5
37.5°	9109.5	9186.8	9323.4	9541.8	9068.5	8185.8	7485.1	7289.4	7330.4	8072.0	8645.4
40°	9691.9	9769.3	10078.7	10297.1	10028.6	9095.8	8163.1	7735.3	7767.2	8322.3	8809.2
42.5°	10333.5	10483.7	10852.2	11234.4	11161.6	10251.6	9036.7	8390.6	8376.9	8945.7	9145.9
45°	11202.6	11402.8	11803.2	12244.6	12308.3	11575.7	10201.5	9368.9	9414.4	9760.2	9842.1
47.5°	12412.9	12403.8	12795.2	13286.6	13655.1	12949.9	11593.9	10683.9	10679.3	11047.9	10875.0
50°	13582.3	13586.9	13691.5	14260.3	15215.9	14856.4	13318.4	12431.1	12381.1	12563.1	12285.5
52.5°	14123.8	14060.1	13982.8	14669.8	16417.1	17258.9	15502.5	14410.5	14369.5	14260.3	14187.5
55°	13555.0	13577.8	13573.2	14287.6	17049.6	19793.4	18305.4	16590.0	16521.8	16180.5	16280.6
57.5°	11730.4	11657.6	11816.9	12931.7	16326.1	21522.4	22314.2	19338.3	19160.9	18027.9	17800.4
60°	8731.8	8754.6	8886.5	10201.5	14528.8	21886.4	26150.0	22564.4	21800.0	19329.2	19015.3
62.5°	6097.3	6051.8	6101.8	6838.9	10388.1	20430.4	28743.6	26486.7	25749.6	20808.0	20626.0
65°	4363.6	4304.5	4504.7	4955.2	6238.3	15620.8	29112.2	31710.3	31050.5	23169.6	22732.8
67.5°	3139.6	3130.5	3362.6	4181.6	4431.9	8995.7	26382.0	36442.5	36042.1	25972.5	24015.9
69°	2598.2	2602.7	2825.7	3744.8	4231.7	6142.8	22700.9	37257.0	37184.2	27419.5	23774.8
70°	2266.0	2284.2	2543.6	3485.5	4149.8	5050.7	19570.4	36456.2	36383.4	27701.6	22978.5
72.5°	1396.9	1410.6	1751.8	2793.8	3945.0	4122.5	11703.1	29826.5	30076.8	26409.3	19797.9
75°	668.9	673.4	919.1	2020.3	3804.0	3908.6	6270.2	22009.3	22537.1	21322.2	15470.7
77.5°	354.9	354.9	441.4	1073.8	3080.5	3676.6	3722.1	15525.3	15962.1	13482.2	8795.5
80°	177.5	182.0	268.5	559.7	1911.1	3603.8	2907.6	9259.6	9496.3	5501.2	2739.2
82.5°	68.3	72.8	127.4	336.7	991.9	3044.1	2552.7	4554.7	4495.6	1287.7	668.9
85°	9.1	9.1	45.5	200.2	423.2	1342.3	2106.7	1902.0	1838.3	282.1	323.1
87.5°	0.0	0.0	9.1	59.2	127.4	391.3	814.5	523.3	582.4	77.4	159.3
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°	8504.3	8504.3	8504.3	8504.3	8504.3	8504.3	8504.3	8504.3	8504.3	8504.3	8504.3
2.5°	8636.3	8540.7	8395.1	8254.1	8103.9	7921.9	7721.7	7648.9	7521.5	7512.4	7585.2
5°	8627.2	8472.5	8217.7	7917.3	7489.6	7166.6	6816.2	6561.4	6365.7	6238.3	6270.2
7.5°	8672.7	8486.1	8044.7	7398.6	6848.0	6206.5	5665.0	5291.9	4950.6	4782.3	4764.1
10°	8599.9	8349.6	7703.5	6798.0	5988.1	5091.7	4299.9	3799.4	3289.8	3103.2	3112.3
12.5°	8640.8	8290.5	7334.9	6179.2	5064.4	3899.5	2953.1	2270.5	1792.8	1638.1	1619.9
15°	8668.1	8163.1	6980.0	5437.5	4040.6	2657.3	1710.9	1287.7	1137.5	1110.2	1105.7
17.5°	8563.5	8008.3	6479.5	4704.9	2994.0	1615.3	1137.5	1051.1	1023.8	1005.6	996.5
20°	8558.9	7917.3	6047.2	3954.1	1997.5	1101.1	982.8	951.0	910.0	896.4	896.4
22.5°	8481.6	7726.2	5528.5	3130.5	1274.1	946.4	882.7	832.7	787.2	769.0	764.4
25°	8458.8	7503.3	5041.6	2352.5	969.2	846.3	782.6	709.8	655.2	627.9	614.3
27.5°	8395.1	7312.2	4550.2	1656.3	846.3	755.3	673.4	596.1	532.4	491.4	486.9
30°	8167.6	7112.0	4004.2	1146.6	769.0	668.9	577.9	486.9	423.2	395.9	386.8
32.5°	8072.0	6925.4	3408.1	882.7	700.7	591.5	486.9	405.0	354.9	327.6	323.1
35°	7958.3	6652.4	2830.2	769.0	637.0	514.2	409.5	341.3	300.3	277.6	277.6
37.5°	7971.9	6434.0	2288.7	696.2	568.8	441.4	350.4	291.2	254.8	232.1	232.1
40°	7931.0	6261.1	1779.1	632.5	505.1	377.7	295.8	245.7	213.9	191.1	186.6
42.5°	8117.5	6215.6	1342.3	577.9	441.4	323.1	254.8	209.3	177.5	150.2	150.2
45°	8431.5	6288.4	1046.5	527.8	377.7	277.6	218.4	172.9	141.1	122.9	118.3
47.5°	9268.7	6575.0	819.0	486.9	323.1	241.2	182.0	141.1	113.8	95.6	91.0
50°	10483.7	7216.6	696.2	427.7	273.0	204.8	150.2	109.2	91.0	72.8	68.3
52.5°	12212.7	8295.0	632.5	377.7	227.5	168.4	118.3	86.5	68.3	54.6	50.1
55°	14096.5	9641.9	573.3	318.5	191.1	136.5	95.6	68.3	50.1	36.4	31.9
57.5°	15566.2	10806.7	523.3	263.9	154.7	109.2	72.8	50.1	36.4	22.8	18.2
60°	17172.4	11625.8	459.6	209.3	127.4	81.9	54.6	36.4	27.3	13.7	13.7
62.5°	18828.7	12585.8	377.7	163.8	100.1	63.7	41.0	27.3	18.2	4.6	4.6
65°	21131.1	13336.6	291.2	127.4	77.4	45.5	31.9	22.8	9.1	0.0	0.0
67.5°	21781.8	12968.1	213.9	100.1	54.6	31.9	22.8	13.7	4.6	0.0	0.0
69°	21131.1	11680.4	186.6	86.5	45.5	27.3	18.2	9.1	4.6	0.0	0.0
70°	19943.5	10679.3	163.8	72.8	41.0	27.3	13.7	9.1	4.6	0.0	0.0
72.5°	16681.0	8190.4	127.4	54.6	31.9	22.8	13.7	9.1	0.0	0.0	0.0
75°	12235.5	5059.8	95.6	41.0	27.3	18.2	13.7	9.1	0.0	0.0	0.0
77.5°	6556.8	1847.4	68.3	27.3	18.2	13.7	13.7	9.1	0.0	0.0	0.0
80°	1797.3	546.0	50.1	18.2	13.7	9.1	9.1	4.6	0.0	0.0	0.0
82.5°	491.4	141.1	31.9	18.2	13.7	9.1	4.6	0.0	0.0	0.0	0.0
85°	263.9	54.6	18.2	13.7	9.1	4.6	0.0	0.0	0.0	0.0	0.0
87.5°	136.5	18.2	13.7	9.1	9.1	4.6	0.0	0.0	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)