

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: P639165

Luminaire Tested: **USSL-M-PA6A-730-U-T4W-HSS**

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639165
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2207-719-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-M-PA6A-730-U-T4W-HSS
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K LIGHT ENGINES AND TYPE IV OPTICS WITH HOUSE SIDE
SHIELD, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27326 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G5

Input Watts (W): 273.8
Input Voltage (V): NR
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

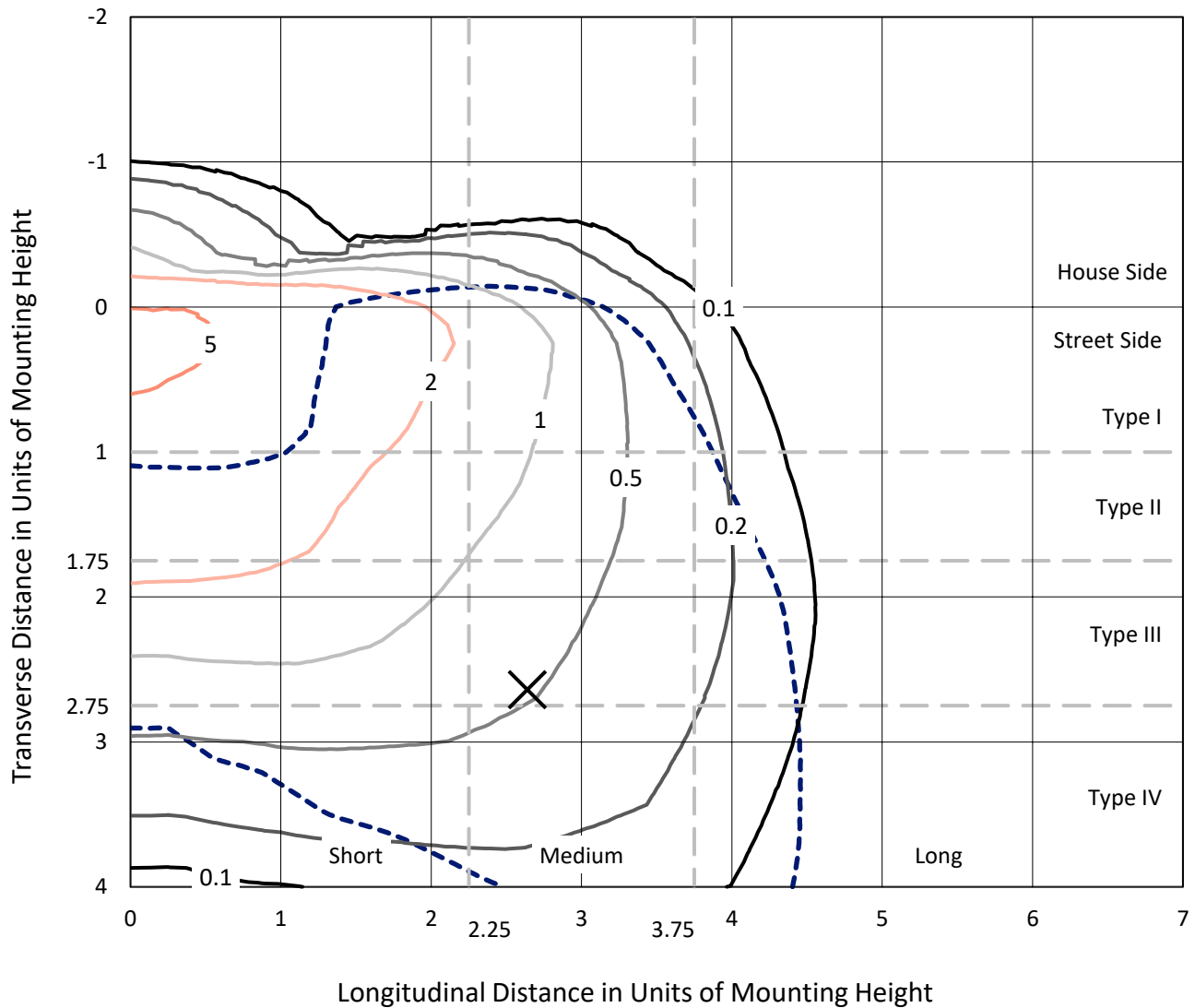


REPORT NUMBER: P639165

CATALOG NUMBER: USSL-M-PA6A-730-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

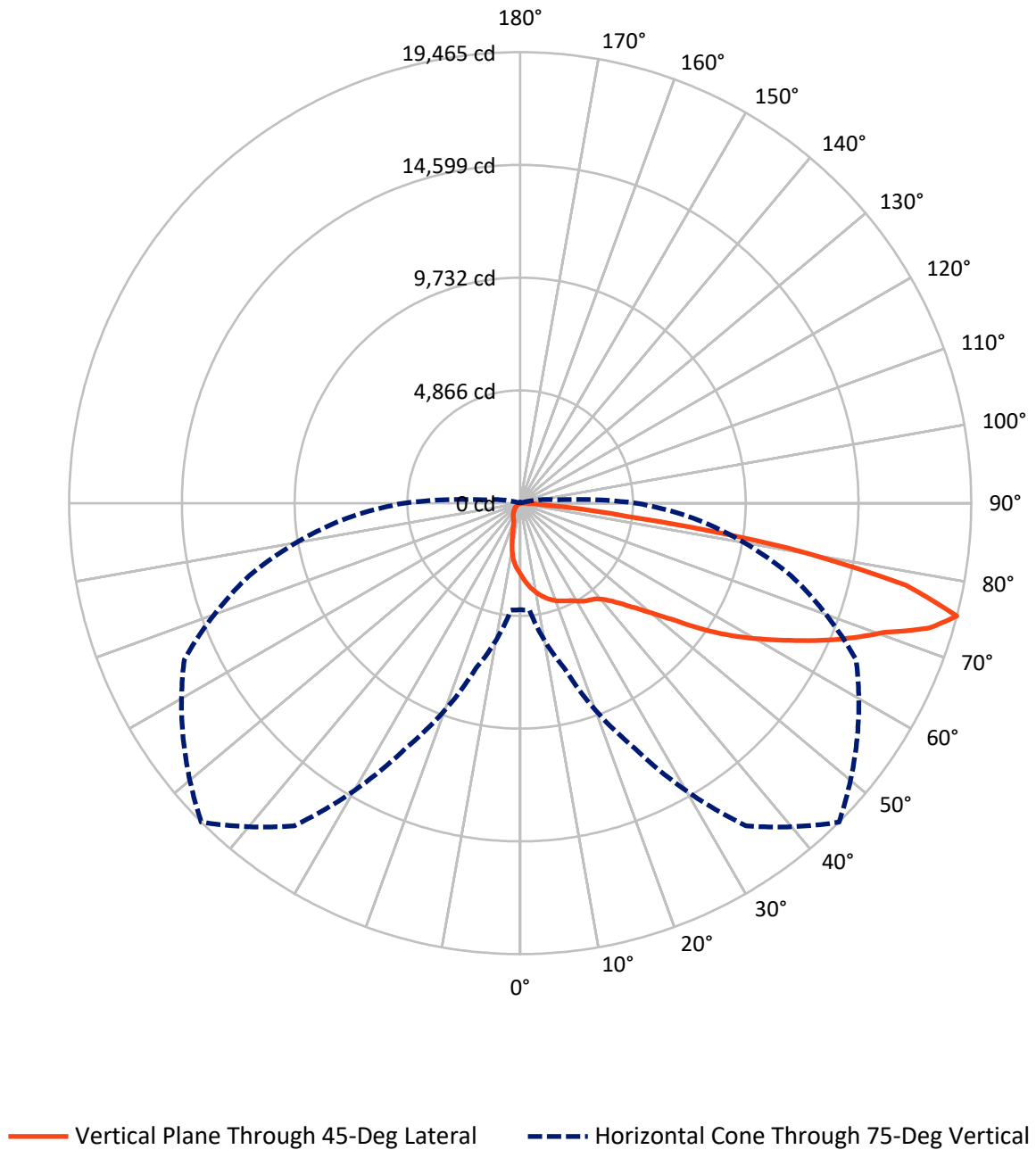


Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Medium - N/A

REPORT NUMBER: P639165

CATALOG NUMBER: USSL-M-PA6A-730-U-T4W-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P639165

CATALOG NUMBER: USSL-M-PA6A-730-U-T4W-HSS

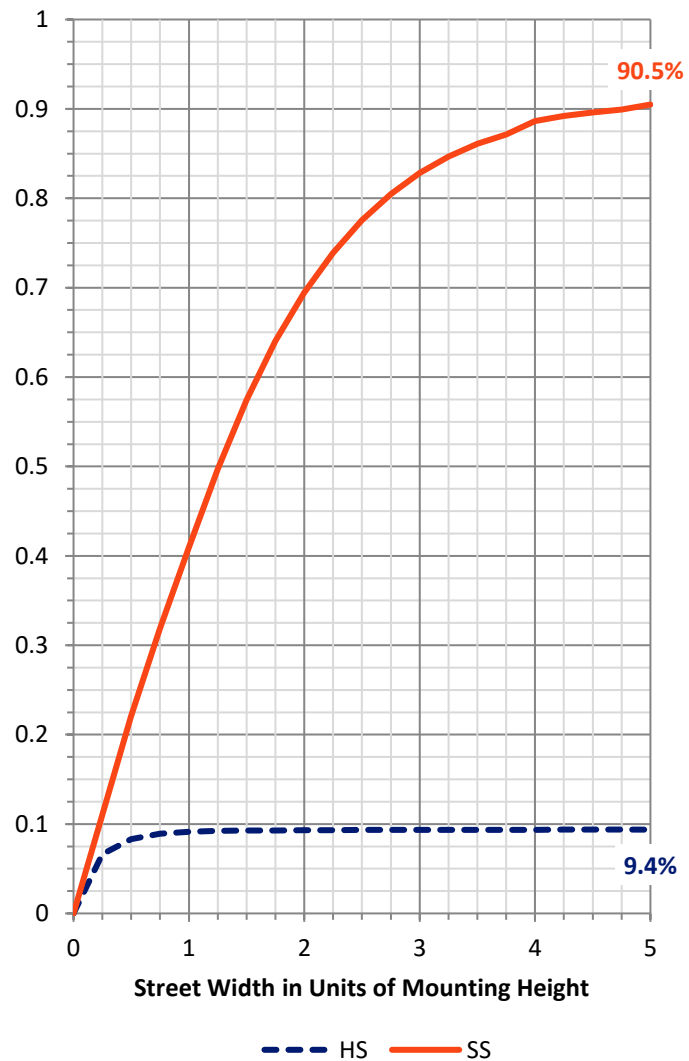
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2582.3	0.0	2582.3
	% Fixture	9.5	0.0	9.5
Street Side	Lumens	24743.7	0.0	24743.7
	% Fixture	90.5	0.0	90.5
Total	Lumens	27326.0	0.0	27326.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.0	1.1
10°-20°	845.2	3.1
20°-30°	1377.3	5.0
30°-40°	1943.8	7.1
40°-50°	3105.5	11.4
50°-60°	5266.2	19.3
60°-70°	7633.9	27.9
70°-80°	6213.9	22.7
80°-90°	646.2	2.4
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°	27326.0	100.0
0°-180°	27326.0	100.0

Coefficient of Utilization



REPORT NUMBER: P639165

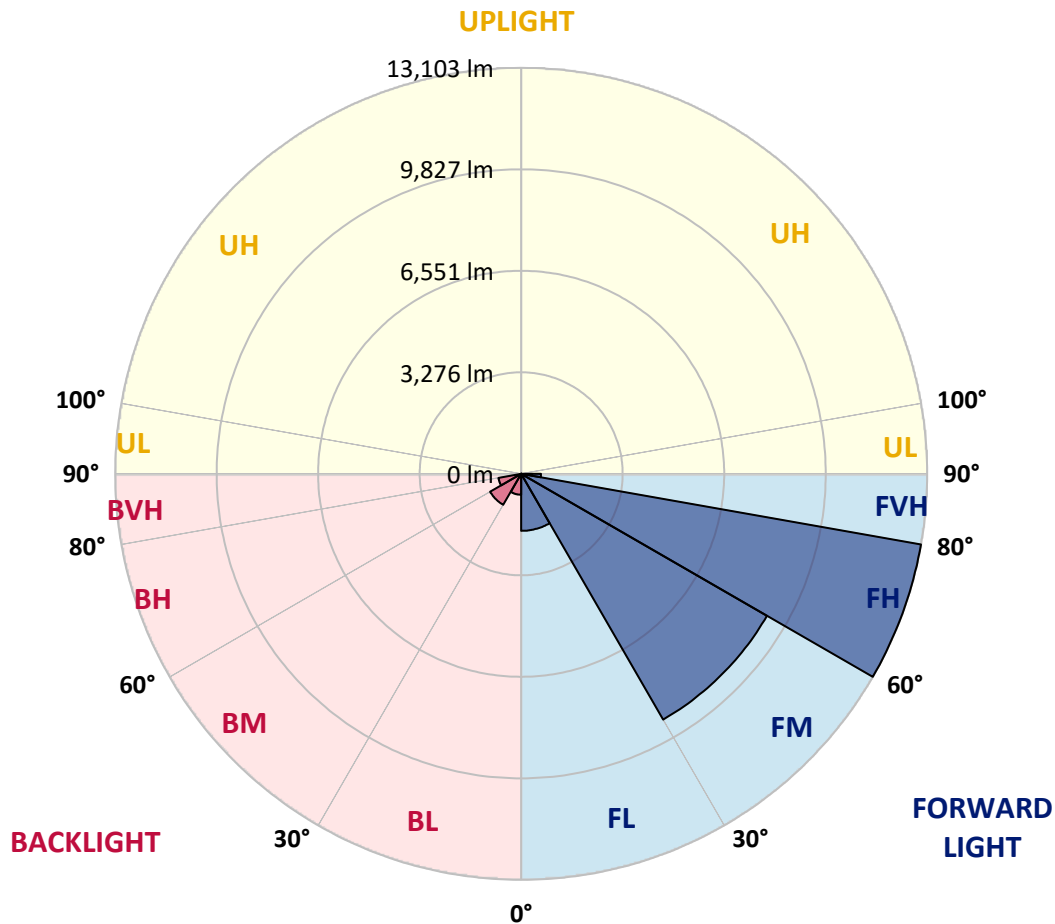
CATALOG NUMBER: USSL-M-PA6A-730-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1841.5	6.7			
FM	(30°-60°)	9159.8	33.5			
FH	(60°-80°)	13102.8	47.9			G5
FVH	(80°-90°)	639.6	2.3			G4/750
BL	(0°-30°)	675.0	2.5	B2/1000		
BM	(30°-60°)	1155.7	4.2	B2/2500		
BH	(60°-80°)	745.0	2.7	B2/1000		G2/1000
BVH	(80°-90°)	6.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G5

Type IV Medium



REPORT NUMBER: P639165

CATALOG NUMBER: USSL-M-PA6A-730-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3076.4	3076.4	3076.4	3076.4	3076.4	3076.4	3076.4	3076.4	3076.4	3076.4	3076.4
2.5°	3420.6	3422.5	3408.8	3377.8	3342.3	3313.2	3260.4	3208.5	3152.9	3099.2	3075.5
5°	3764.9	3758.5	3732.1	3675.7	3607.3	3541.8	3434.3	3335.0	3221.2	3111.0	3060.9
7.5°	4084.6	4068.2	4026.3	3945.2	3856.9	3748.5	3610.1	3465.3	3307.7	3164.7	3091.0
10°	4362.3	4347.8	4286.7	4181.1	4061.8	3934.3	3780.4	3627.4	3458.0	3273.1	3181.1
12.5°	4603.7	4576.3	4502.6	4368.7	4227.5	4101.0	3944.3	3805.0	3605.5	3407.9	3294.1
15°	4809.5	4779.4	4694.7	4529.9	4365.1	4254.0	4112.8	3974.4	3784.0	3548.2	3417.0
17.5°	4950.7	4922.4	4830.4	4645.6	4478.0	4384.2	4278.5	4141.9	3950.7	3694.8	3548.2
20°	4997.1	4966.1	4889.6	4701.1	4550.8	4500.8	4410.6	4294.9	4108.2	3845.0	3687.5
22.5°	4952.5	4922.4	4869.6	4696.6	4591.8	4588.2	4528.1	4435.2	4256.7	3991.7	3821.4
25°	4889.6	4861.4	4817.7	4670.2	4618.2	4667.4	4638.3	4560.9	4413.3	4148.3	3981.7
27.5°	4865.0	4834.1	4794.9	4673.8	4671.1	4766.7	4767.6	4711.1	4572.7	4311.3	4137.4
30°	4906.0	4871.4	4827.7	4724.8	4758.5	4904.2	4946.1	4882.3	4722.1	4462.5	4296.8
32.5°	5008.9	4947.0	4893.3	4800.4	4855.9	5045.4	5110.9	5010.8	4840.5	4617.3	4471.6
35°	5185.6	5090.0	5000.7	4899.7	4943.4	5135.5	5232.1	5155.6	4984.3	4804.9	4683.8
37.5°	5565.4	5445.2	5298.5	5097.3	5070.0	5244.8	5394.2	5384.2	5208.4	5051.7	4957.9
40°	6307.6	6156.4	5944.2	5509.8	5288.5	5444.3	5649.2	5701.1	5524.4	5388.7	5322.2
42.5°	7525.2	7372.2	6990.7	6170.1	5633.7	5765.7	5996.2	6133.7	5952.4	5864.1	5804.9
45°	8803.0	8685.5	8294.8	7148.2	6206.5	6220.2	6465.2	6721.1	6607.2	6508.9	6426.0
47.5°	9772.0	9658.1	9377.6	8332.1	7087.2	6784.8	7042.6	7430.5	7377.7	7293.0	7204.7
50°	10463.2	10341.2	10161.8	9447.8	8228.3	7495.2	7724.7	8252.9	8384.1	8334.0	8169.1
52.5°	11110.7	10987.8	10833.9	10419.5	9515.2	8416.8	8536.1	9254.7	9480.6	9506.1	9146.3
55°	11648.1	11551.5	11616.2	11353.0	10852.1	9650.9	9483.3	10294.7	10646.3	10829.3	10262.9
57.5°	11985.9	11880.3	12233.7	12379.4	12204.5	10795.6	10496.9	11437.7	11801.1	12258.2	11304.7
60°	12321.1	12200.0	12688.1	13291.9	13479.5	11904.0	11616.2	12588.8	12964.0	13898.4	12355.7
62.5°	12514.2	12381.2	13054.2	13986.8	14505.0	13036.9	12811.0	13758.2	14158.9	15612.4	13247.3
65°	11849.3	11817.5	13163.5	14443.0	15350.1	14282.8	14087.9	14924.8	15353.8	17180.7	13964.9
67.5°	11028.8	11022.4	12821.1	14729.0	16042.3	15493.1	15302.8	16120.6	16467.6	18112.3	14090.6
70°	10427.7	10429.5	12205.4	15107.0	16836.4	16698.0	16496.7	17239.9	17167.0	17430.2	12956.8
72.5°	8639.1	8725.6	10618.0	14547.8	17798.1	18451.1	17575.9	17751.7	16094.2	13501.4	9544.3
75°	4599.1	4636.5	7375.0	11655.3	17001.2	19464.7	17749.9	15998.6	12108.9	7520.7	5014.4
77.5°	1548.2	1515.4	2569.1	6289.4	12969.5	17018.6	14548.7	11252.8	6478.8	2479.9	1620.2
80°	489.1	505.4	831.5	1999.9	6844.9	11677.2	8757.4	5573.6	1938.0	554.6	319.7
82.5°	220.4	238.6	382.5	877.9	2689.3	4638.3	4237.6	1924.3	664.8	177.6	119.3
85°	82.9	88.3	187.6	500.0	1091.9	1273.2	1470.8	704.9	427.1	70.1	47.4
87.5°	20.0	22.8	77.4	162.1	255.0	173.0	242.3	260.5	239.5	24.6	19.1
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: P639165

CATALOG NUMBER: USSL-M-PA6A-730-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3076.4	3076.4	3076.4	3076.4	3076.4	3076.4	3076.4	3076.4	3076.4	3076.4
2.5°	3052.7	3002.6	2968.0	2917.9	2872.4	2856.0	2831.4	2824.1	2825.0	2803.2
5°	3016.3	2924.3	2848.7	2764.0	2688.4	2630.1	2568.2	2533.6	2518.1	2509.9
7.5°	3024.5	2889.7	2757.6	2599.2	2429.8	2289.5	2163.0	2090.1	2050.9	2043.6
10°	3091.9	2905.2	2684.8	2384.3	2075.5	1841.5	1661.1	1561.9	1502.7	1494.5
12.5°	3185.7	2932.5	2567.3	2102.8	1671.2	1356.1	1158.4	1093.8	1075.6	1073.7
15°	3289.5	2946.2	2395.2	1767.7	1259.5	990.9	900.7	908.9	919.8	920.7
17.5°	3402.4	2934.3	2166.6	1405.2	959.9	837.9	812.4	836.0	867.0	867.9
20°	3523.6	2885.1	1896.1	1081.0	822.4	777.8	775.9	794.1	826.9	830.6
22.5°	3645.6	2793.2	1563.7	874.3	755.0	745.0	739.5	751.3	784.1	787.8
25°	3770.4	2652.0	1236.8	755.0	714.0	709.4	701.3	708.5	735.9	740.4
27.5°	3900.6	2488.1	975.4	679.4	667.6	665.7	663.0	660.3	684.9	690.3
30°	4022.6	2254.0	775.0	625.7	612.0	613.8	611.1	611.1	631.1	635.7
32.5°	4151.0	2007.2	650.3	577.4	556.4	553.7	556.4	559.2	571.9	576.5
35°	4290.4	1721.3	579.2	532.8	504.5	491.8	492.7	497.3	506.4	510.9
37.5°	4450.7	1448.0	531.9	491.8	457.2	436.2	425.3	425.3	435.3	435.3
40°	4645.6	1159.3	497.3	453.5	413.5	382.5	361.6	346.1	341.5	348.8
42.5°	4881.4	922.6	468.1	423.5	372.5	334.2	296.0	264.1	255.9	258.6
45°	5177.4	722.2	440.8	392.5	330.6	281.4	230.4	188.5	177.6	180.3
47.5°	5532.6	592.0	412.6	358.8	286.9	228.6	162.1	127.5	126.6	129.3
50°	5948.8	505.4	378.9	326.0	245.0	172.1	109.3	89.3	97.4	102.0
52.5°	6409.6	456.3	346.1	294.2	201.3	120.2	77.4	71.0	82.0	85.6
55°	6874.1	422.6	314.2	257.7	156.6	85.6	61.0	60.1	71.9	74.7
57.5°	7270.2	383.4	283.2	216.8	118.4	68.3	53.7	53.7	65.6	68.3
60°	7581.7	331.5	246.8	165.8	91.1	60.1	47.4	47.4	60.1	62.8
62.5°	7818.5	255.9	192.2	122.9	77.4	56.5	42.8	41.9	54.6	58.3
65°	7875.9	177.6	140.3	93.8	70.1	53.7	38.3	36.4	49.2	51.9
67.5°	7614.5	125.7	104.7	75.6	65.6	51.9	34.6	31.0	42.8	45.5
70°	6614.5	97.4	81.1	61.9	62.8	51.0	31.9	26.4	34.6	36.4
72.5°	4462.5	80.1	65.6	52.8	59.2	48.3	28.2	20.9	27.3	28.2
75°	1584.6	64.7	51.9	42.8	51.0	42.8	23.7	16.4	20.0	20.9
77.5°	285.1	47.4	37.3	31.0	39.2	33.7	19.1	11.8	14.6	14.6
80°	71.9	27.3	21.9	17.3	26.4	23.7	14.6	9.1	10.0	10.0
82.5°	30.1	14.6	14.6	11.8	14.6	14.6	9.1	5.5	6.4	6.4
85°	17.3	11.8	11.8	10.0	10.0	9.1	6.4	3.6	1.8	2.7
87.5°	11.8	10.9	10.0	9.1	8.2	5.5	3.6	1.8	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

(END OF REPORT)