

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: P639346

Luminaire Tested: **USSL-M-PA6C-740-U-T4W**

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639346
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2207-719-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-M-PA6C-740-U-T4W
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K LIGHT ENGINES AND TYPE IV OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 61320 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 457.2
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

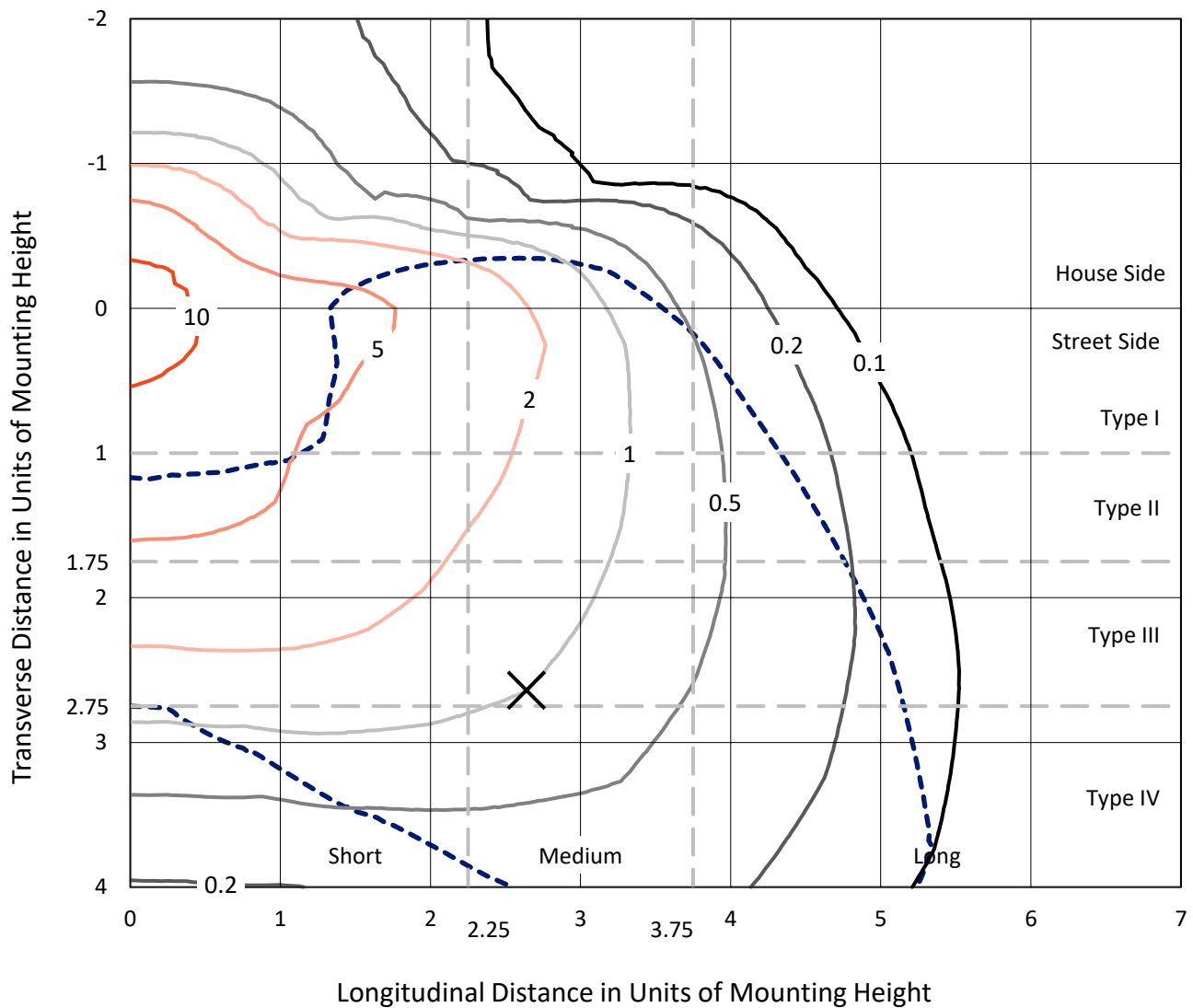


REPORT NUMBER: P639346

CATALOG NUMBER: USSL-M-PA6C-740-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

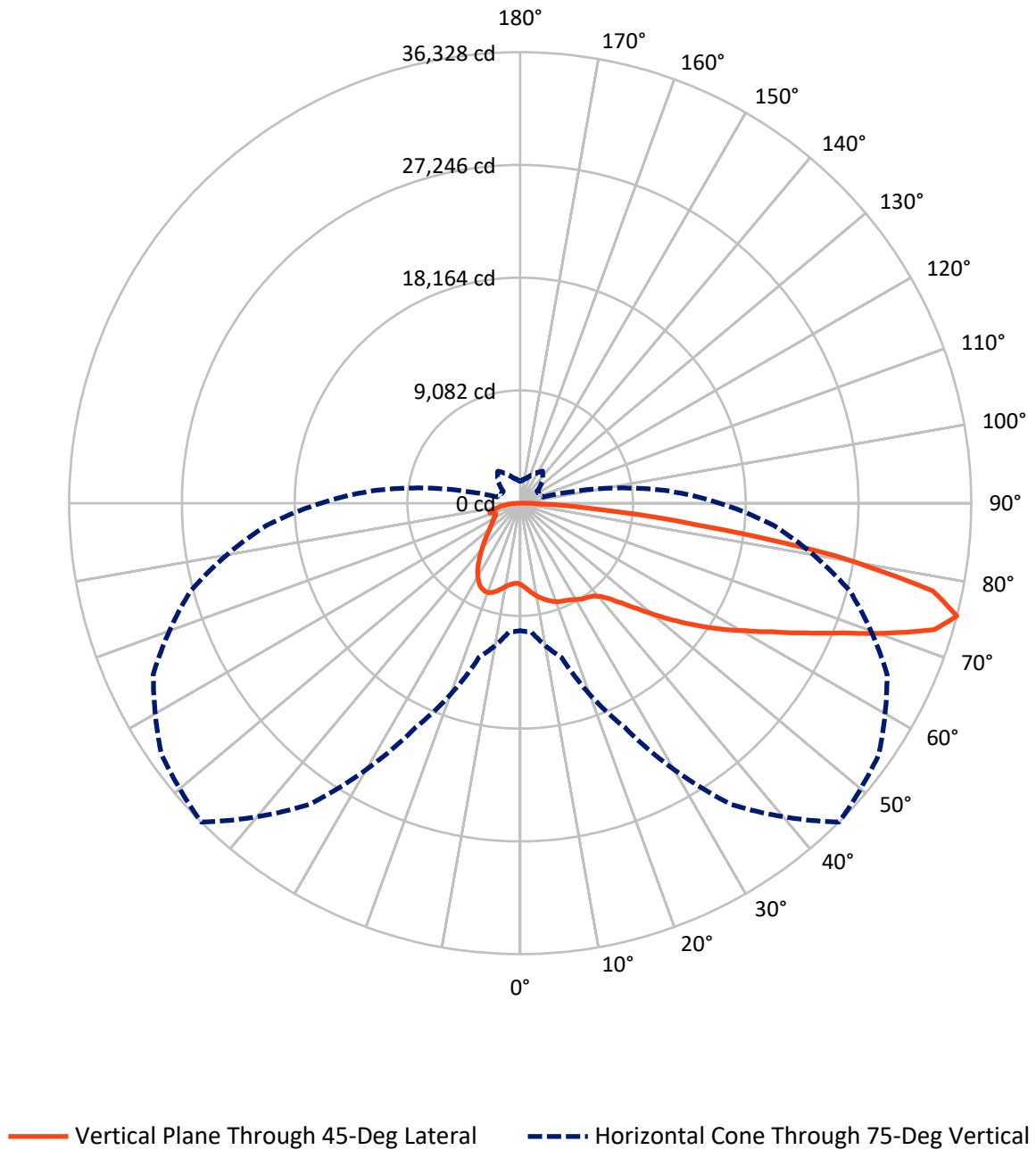
× Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.9 fc
 Type IV - Medium - N/A

REPORT NUMBER: P639346
CATALOG NUMBER: USSL-M-PA6C-740-U-T4W

Luminous Intensity Polar Plot



REPORT NUMBER: P639346

CATALOG NUMBER: USSL-M-PA6C-740-U-T4W

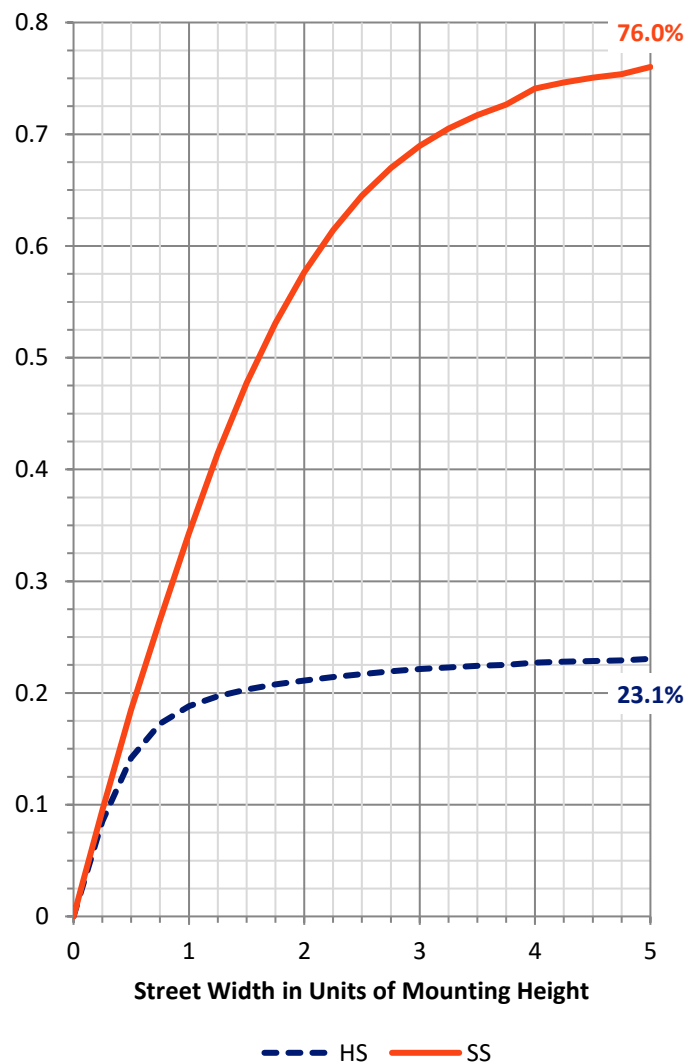
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14429.7	0.0	14429.7
	% Fixture	23.5	0.0	23.5
Street Side	Lumens	46890.3	0.0	46890.3
	% Fixture	76.5	0.0	76.5
Total	Lumens	61320.0	0.0	61320.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	660.3	1.1
10°-20°	2184.0	3.6
20°-30°	3758.9	6.1
30°-40°	5179.2	8.4
40°-50°	7215.0	11.8
50°-60°	10801.9	17.6
60°-70°	15310.8	25.0
70°-80°	13769.2	22.5
80°-90°	2440.7	4.0
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°	61320.0	100.0
0°-180°	61320.0	100.0

Coefficient of Utilization



REPORT NUMBER: P639346

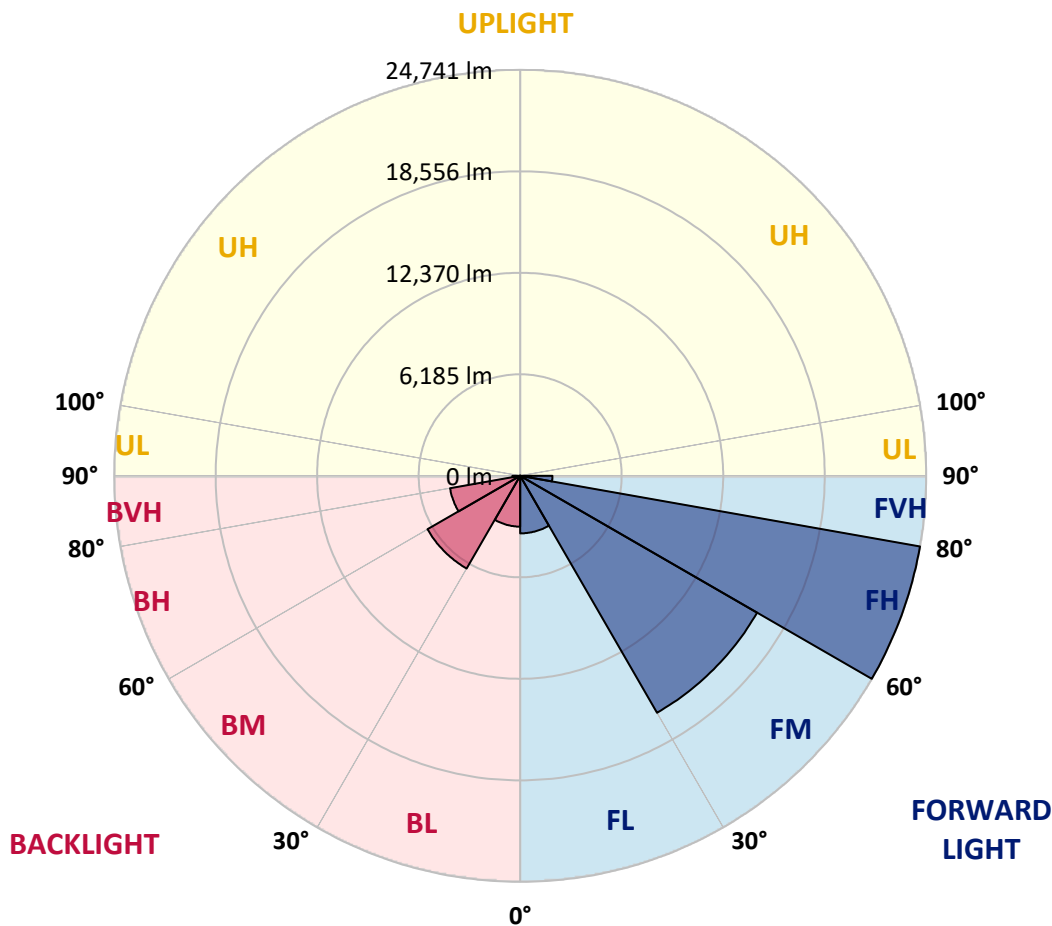
CATALOG NUMBER: USSL-M-PA6C-740-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3507.4	5.7			
FM	(30°-60°)	16675.0	27.2			
FH	(60°-80°)	24740.9	40.3			G5
FVH	(80°-90°)	1967.0	3.2			G5
BL	(0°-30°)	3095.9	5.0	B4/5000		
BM	(30°-60°)	6521.1	10.6	B4/8500		
BH	(60°-80°)	4339.1	7.1	B4/5000		G4/5000
BVH	(80°-90°)	473.7	0.8			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Medium



REPORT NUMBER: P639346

CATALOG NUMBER: USSL-M-PA6C-740-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6549.2	6549.2	6549.2	6549.2	6549.2	6549.2	6549.2	6549.2	6549.2	6549.2	6549.2
2.5°	6916.7	6898.9	6888.5	6833.4	6791.7	6767.9	6711.4	6669.7	6611.7	6567.0	6553.6
5°	7401.9	7367.6	7339.4	7247.1	7148.9	7052.2	6915.2	6796.2	6666.7	6568.5	6535.8
7.5°	7878.1	7851.3	7793.2	7651.9	7506.0	7348.3	7150.4	6974.8	6791.7	6654.8	6602.7
10°	8296.2	8262.0	8162.3	8001.6	7812.6	7640.0	7416.7	7215.8	7004.5	6837.9	6770.9
12.5°	8656.3	8605.7	8479.2	8279.8	8055.1	7878.1	7668.2	7483.7	7251.6	7058.1	6977.7
15°	8956.9	8898.9	8767.9	8509.0	8256.0	8108.7	7925.7	7751.6	7512.0	7287.3	7196.5
17.5°	9175.7	9125.1	8977.8	8674.2	8418.2	8305.1	8157.8	8003.1	7769.4	7520.9	7434.6
20°	9259.0	9198.0	9070.0	8756.0	8528.4	8476.3	8363.2	8232.2	8013.5	7767.9	7674.2
22.5°	9184.6	9134.0	9031.3	8744.1	8574.5	8581.9	8513.5	8425.7	8238.2	7995.6	7915.3
25°	9073.0	9019.4	8942.1	8698.0	8608.7	8675.7	8650.4	8607.2	8468.8	8235.2	8153.4
27.5°	9028.4	8965.9	8906.3	8701.0	8678.7	8811.1	8821.5	8823.0	8706.9	8470.3	8409.3
30°	9157.8	9087.9	9004.6	8788.8	8805.1	9000.1	9064.1	9034.3	8909.3	8696.5	8642.9
32.5°	9552.2	9477.8	9327.5	8998.6	8959.9	9198.0	9275.4	9187.6	9070.0	8900.4	8879.6
35°	10440.6	10326.0	10025.4	9436.1	9160.8	9320.0	9428.7	9364.7	9269.4	9168.2	9192.1
37.5°	11893.0	11735.2	11251.6	10241.2	9540.3	9492.7	9644.4	9645.9	9558.1	9516.5	9580.5
40°	13602.8	13437.6	12934.7	11535.8	10276.9	9857.2	9995.6	10067.1	9988.2	10016.5	10110.2
42.5°	15265.0	15093.9	14733.8	13159.4	11269.5	10512.0	10538.8	10714.4	10635.5	10730.8	10895.9
45°	16596.9	16452.5	16308.2	14733.8	12643.0	11473.3	11281.4	11590.9	11562.6	11748.6	11979.3
47.5°	17537.4	17388.6	17406.4	16230.8	14279.9	12701.0	12236.7	12750.1	12766.5	13175.7	13430.2
50°	18294.8	18150.5	18198.1	17503.1	15927.2	14175.7	13442.1	14119.2	14385.6	15006.1	15311.2
52.5°	19152.0	19028.5	19132.6	18660.9	17662.4	15772.5	14843.9	15774.0	16187.7	17162.4	17473.4
55°	20117.8	20010.6	20339.5	20050.8	19535.9	17445.1	16401.9	17647.5	18163.9	19668.3	20064.2
57.5°	20893.1	20778.5	21473.4	21754.7	21527.0	19162.4	18131.1	19596.9	20120.7	22464.5	22846.9
60°	21787.4	21622.2	22492.8	23367.8	23632.7	20851.4	20077.6	21736.8	22247.2	25497.3	25610.4
62.5°	22332.1	22205.6	23376.7	24805.3	25522.6	22827.6	22302.3	23869.3	24421.4	28632.7	28089.6
65°	21573.1	21635.6	23863.3	25954.1	27236.9	25199.7	24750.2	26129.7	26695.2	31430.4	29759.2
67.5°	20007.6	20126.7	23305.3	26705.6	28989.9	27906.5	27327.6	28510.7	28897.6	33070.3	30040.5
70°	18159.4	18268.0	21516.6	26848.5	30631.3	31357.4	30497.3	31092.6	30600.0	32466.1	27986.9
72.5°	15387.1	15675.7	18183.2	25001.7	31344.1	34856.0	33908.1	33076.2	30503.3	28314.3	23086.5
75°	10273.9	10418.3	12864.7	19940.7	29623.8	36327.7	35271.2	32604.5	27513.7	20471.9	16055.2
77.5°	4540.2	4992.6	6687.6	11690.6	23146.1	33981.0	32361.9	27308.3	19082.0	11250.1	7973.3
80°	1663.7	1760.4	2610.1	4837.8	13425.7	25732.4	23473.4	17413.9	9645.9	4269.4	2979.2
82.5°	930.1	974.7	1419.7	2214.3	6026.8	14360.3	13059.7	7509.0	3325.9	1403.3	1251.5
85°	513.4	535.7	870.5	1389.9	2930.1	6239.6	4971.8	2546.2	1346.7	562.5	532.7
87.5°	226.2	264.9	468.8	703.9	1336.3	1427.1	1236.6	994.1	628.0	212.8	187.5
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: P639346

CATALOG NUMBER: USSL-M-PA6C-740-U-T4W

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6549.2	6549.2	6549.2	6549.2	6549.2	6549.2	6549.2	6549.2	6549.2	6549.2
2.5°	6538.8	6516.4	6503.0	6473.3	6455.4	6461.4	6464.3	6474.8	6492.6	6453.9
5°	6512.0	6480.7	6477.7	6477.7	6498.6	6531.3	6562.6	6587.9	6625.1	6576.0
7.5°	6570.0	6535.8	6537.3	6558.1	6599.8	6662.3	6730.7	6776.9	6830.4	6772.4
10°	6741.1	6699.5	6712.9	6729.2	6775.4	6848.3	6939.1	7019.4	7084.9	7041.7
12.5°	6949.5	6912.3	6921.2	6959.9	7016.4	7084.9	7168.2	7242.6	7306.6	7250.1
15°	7162.3	7145.9	7162.3	7224.8	7293.2	7326.0	7334.9	7370.6	7413.8	7366.1
17.5°	7412.3	7392.9	7410.8	7492.6	7509.0	7476.3	7410.8	7395.9	7421.2	7378.0
20°	7647.4	7638.5	7653.3	7695.0	7640.0	7520.9	7412.3	7369.1	7401.9	7358.7
22.5°	7900.4	7849.8	7834.9	7787.3	7635.5	7485.2	7369.1	7330.4	7378.0	7346.8
25°	8145.9	8025.4	7913.8	7732.2	7507.5	7373.6	7285.8	7251.6	7299.2	7285.8
27.5°	8375.1	8165.3	7892.9	7522.4	7272.4	7156.3	7117.6	7107.2	7168.2	7160.8
30°	8611.7	8276.9	7759.0	7202.5	6895.9	6805.1	6861.7	6930.1	7004.5	7017.9
32.5°	8849.8	8355.7	7525.4	6790.2	6456.9	6378.0	6535.8	6692.0	6793.2	6828.9
35°	9135.5	8412.3	7208.4	6306.6	5936.1	5915.2	6107.2	6311.1	6453.9	6480.7
37.5°	9488.2	8445.0	6820.0	5796.2	5394.4	5382.5	5558.1	5744.1	5864.6	5925.7
40°	9977.8	8451.0	6326.0	5227.7	4852.7	4836.4	4906.3	5006.0	5070.0	5138.4
42.5°	10672.7	8430.1	5821.5	4653.3	4382.5	4318.5	4288.7	4270.9	4169.7	4189.0
45°	11620.6	8404.8	5291.7	4153.3	3945.0	3805.1	3714.3	3581.9	3382.5	3379.5
47.5°	12832.0	8437.6	4818.5	3721.8	3570.0	3413.7	3236.6	3029.8	2814.0	2802.1
50°	14254.6	8576.0	4339.3	3349.7	3245.6	3095.3	2892.9	2645.9	2439.0	2419.7
52.5°	15884.1	8736.7	3863.1	3026.8	2997.1	2854.2	2632.5	2382.5	2220.3	2196.5
55°	17803.7	9025.4	3410.7	2759.0	2787.2	2662.2	2442.0	2209.8	2074.4	2061.0
57.5°	19863.3	9285.8	2992.6	2543.2	2608.7	2517.9	2314.0	2102.7	2001.5	1976.2
60°	22070.2	9044.7	2677.1	2357.2	2453.9	2407.8	2205.4	2003.0	1947.9	1934.5
62.5°	23913.9	8059.6	2425.6	2197.9	2321.5	2314.0	2122.0	1959.8	1947.9	1939.0
65°	24879.7	6436.1	2247.0	2064.0	2214.3	2226.2	2108.7	1976.2	2004.5	2014.9
67.5°	24455.6	4674.2	2126.5	1955.4	2125.0	2345.3	2458.4	2394.4	2397.3	2388.4
70°	22309.7	3291.7	2014.9	1870.6	2245.6	2985.1	2962.8	2632.5	2479.2	2391.4
72.5°	18093.9	2436.0	1888.4	1808.1	2565.5	3333.4	2913.7	2385.4	2148.8	2071.4
75°	11721.8	1928.6	1706.9	1663.7	2511.9	3142.9	2578.9	2098.2	1851.2	1775.3
77.5°	5381.0	1555.1	1477.7	1403.3	2117.6	2711.3	2172.6	1764.9	1555.1	1531.3
80°	2111.6	1284.2	1195.0	1138.4	1733.6	2340.8	1907.8	1543.2	1354.2	1314.0
82.5°	1055.1	1014.9	924.1	866.1	1470.3	2113.1	1684.5	1330.4	1163.7	1090.8
85°	568.5	678.6	644.4	577.4	1037.2	1571.4	1227.7	931.6	772.3	764.9
87.5°	281.3	309.5	260.4	275.3	531.3	843.8	757.4	584.8	442.0	462.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)