

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: P639328

Luminaire Tested: **USSL-M-PA6C-730-U-T4W**

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639328
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-730-U-T4W
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K LIGHT ENGINES AND TYPE IV OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55845 lumens
Efficiency: N/A
Efficacy: 122.1 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

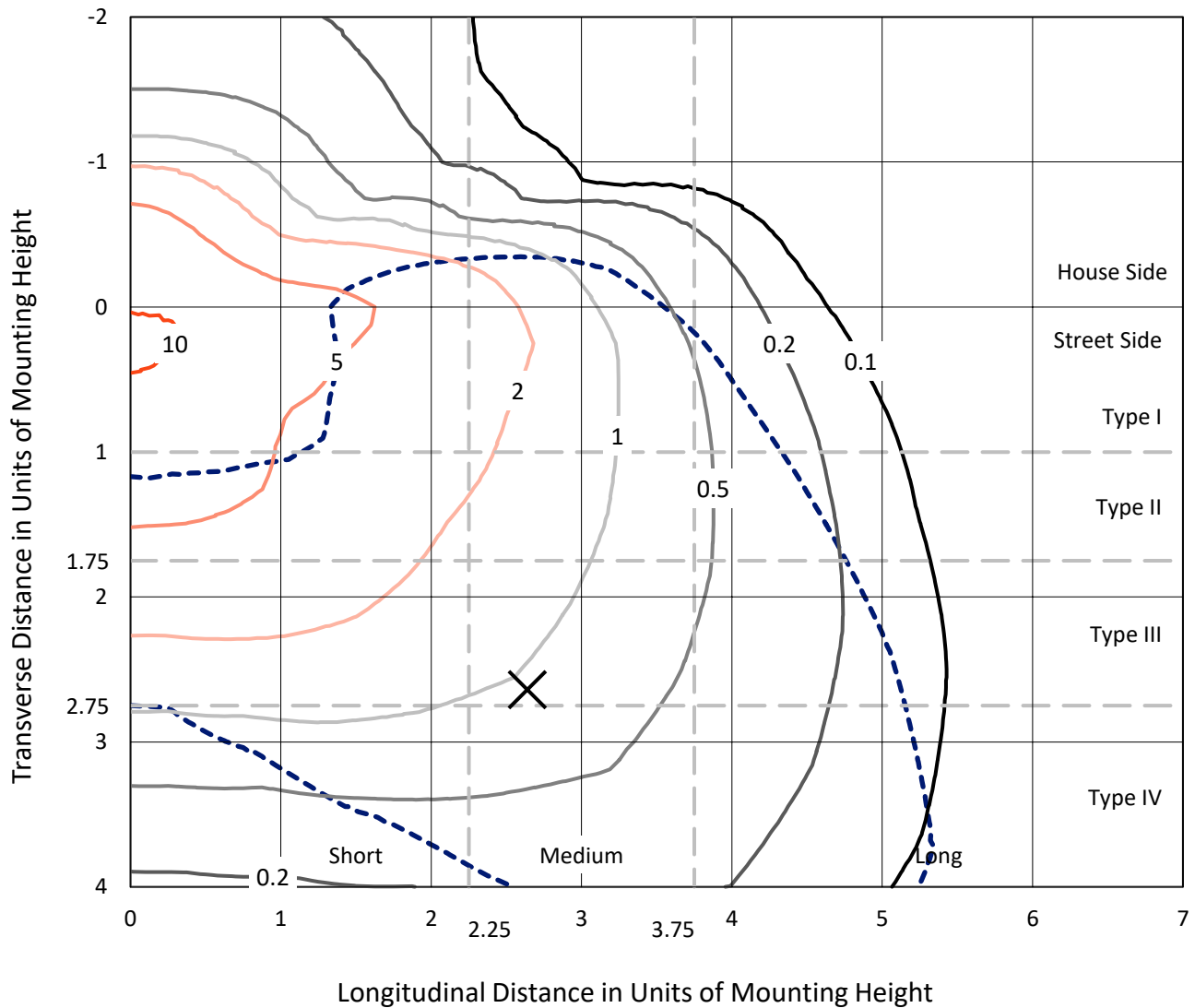


REPORT NUMBER: P639328

CATALOG NUMBER: USSL-M-PA6C-730-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

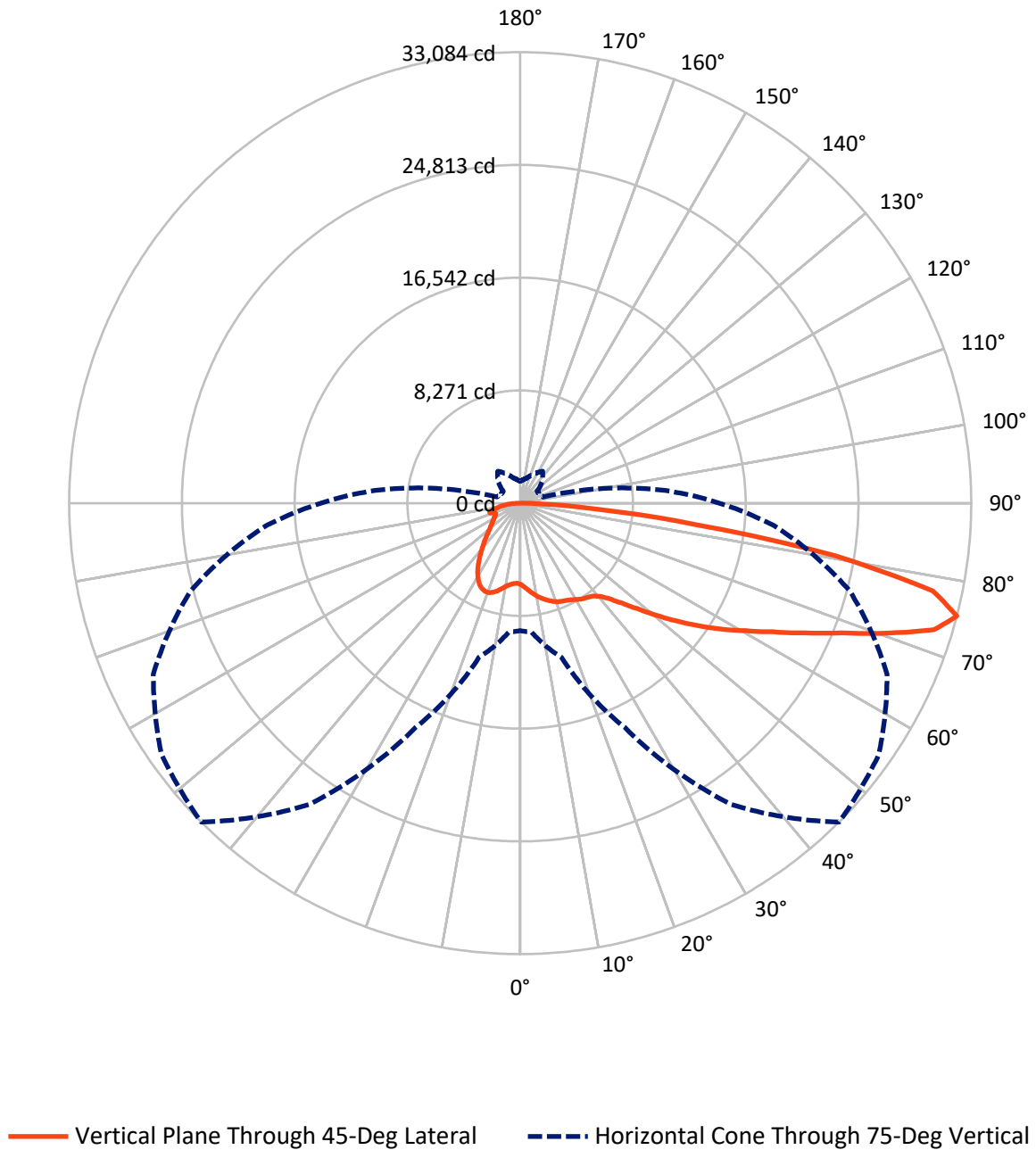
× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 fc
Type IV - Medium - N/A

REPORT NUMBER: P639328
CATALOG NUMBER: USSL-M-PA6C-730-U-T4W

Luminous Intensity Polar Plot



REPORT NUMBER: P639328

CATALOG NUMBER: USSL-M-PA6C-730-U-T4W

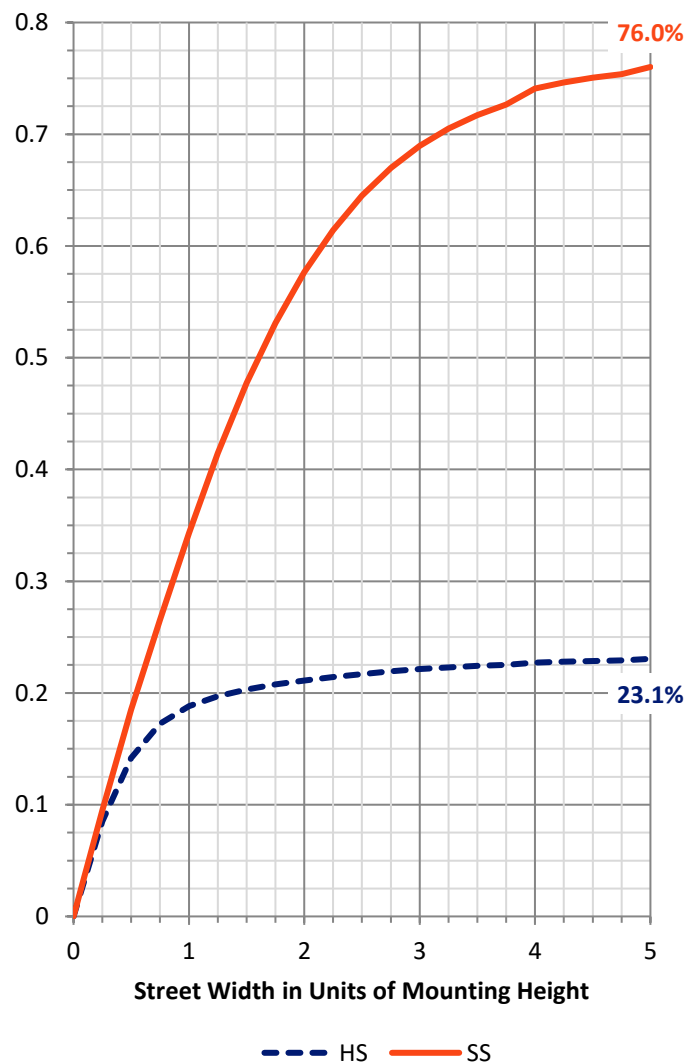
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13141.3	0.0	13141.3
	% Fixture	23.5	0.0	23.5
Street Side	Lumens	42703.7	0.0	42703.7
	% Fixture	76.5	0.0	76.5
Total	Lumens	55845.0	0.0	55845.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	601.3	1.1
10°-20°	1989.0	3.6
20°-30°	3423.3	6.1
30°-40°	4716.8	8.4
40°-50°	6570.8	11.8
50°-60°	9837.4	17.6
60°-70°	13943.8	25.0
70°-80°	12539.8	22.5
80°-90°	2222.8	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°	55845.0	100.0
0°-180°	55845.0	100.0

Coefficient of Utilization



REPORT NUMBER: P639328

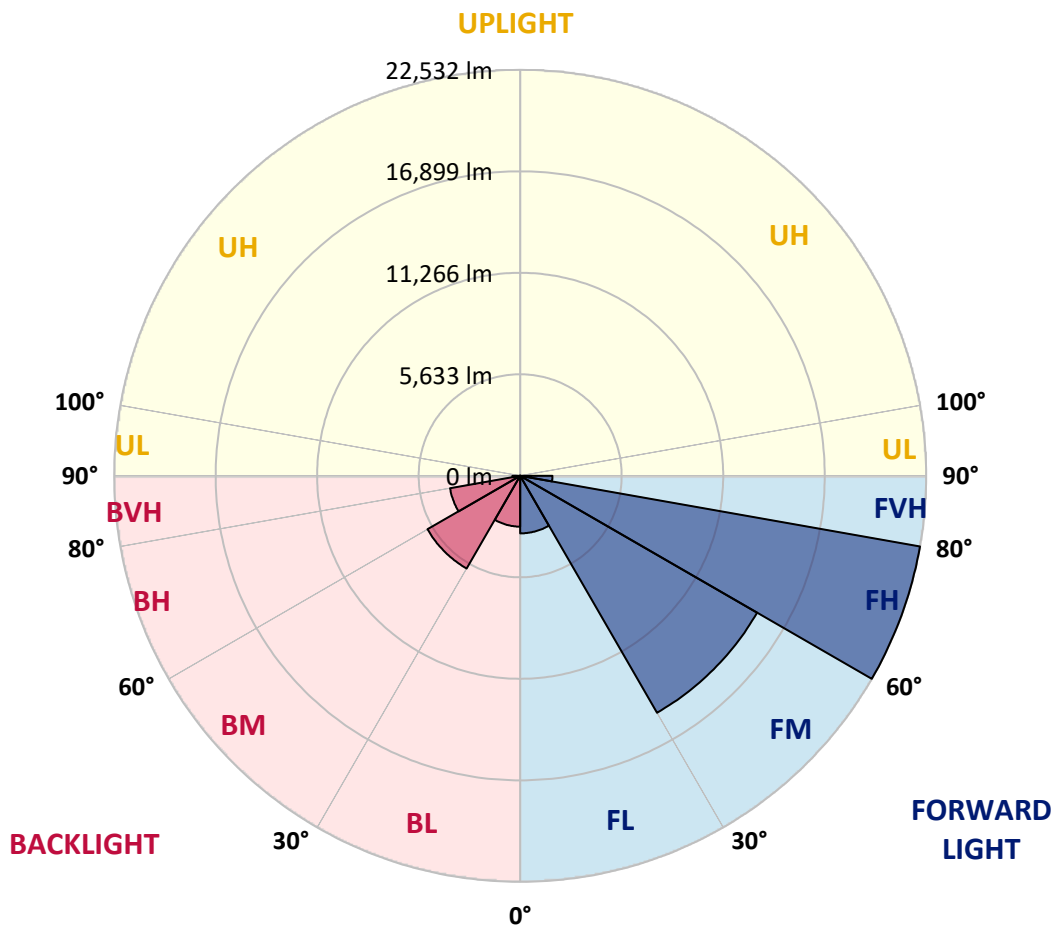
CATALOG NUMBER: USSL-M-PA6C-730-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3194.2	5.7			
FM	(30°-60°)	15186.2	27.2			
FH	(60°-80°)	22531.9	40.3			G5
FVH	(80°-90°)	1791.4	3.2			G5
BL	(0°-30°)	2819.5	5.0	B4/5000		
BM	(30°-60°)	5938.9	10.6	B4/8500		
BH	(60°-80°)	3951.7	7.1	B4/5000		G4/5000
BVH	(80°-90°)	431.4	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: P639328

CATALOG NUMBER: USSL-M-PA6C-730-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5964.4	5964.4	5964.4	5964.4	5964.4	5964.4	5964.4	5964.4	5964.4	5964.4	5964.4
2.5°	6299.2	6282.9	6273.4	6223.3	6185.3	6163.6	6112.1	6074.2	6021.3	5980.7	5968.5
5°	6741.0	6709.8	6684.1	6600.0	6510.6	6422.5	6297.8	6189.4	6071.5	5982.0	5952.2
7.5°	7174.7	7150.3	7097.4	6968.7	6835.8	6692.2	6511.9	6352.0	6185.3	6060.6	6013.2
10°	7555.5	7524.3	7433.5	7287.1	7115.0	6957.8	6754.5	6571.6	6379.1	6227.3	6166.4
12.5°	7883.4	7837.4	7722.2	7540.6	7335.9	7174.7	6983.6	6815.5	6604.1	6427.9	6354.7
15°	8157.2	8104.4	7985.1	7749.3	7518.9	7384.7	7218.0	7059.5	6841.3	6636.6	6554.0
17.5°	8356.4	8310.3	8176.2	7899.7	7666.6	7563.6	7429.4	7288.5	7075.7	6849.4	6770.8
20°	8432.3	8376.8	8260.2	7974.2	7766.9	7719.5	7616.5	7497.2	7298.0	7074.4	6989.0
22.5°	8364.6	8318.5	8225.0	7963.4	7808.9	7815.7	7753.3	7673.4	7502.6	7281.7	7208.5
25°	8262.9	8214.1	8143.7	7921.4	7840.1	7901.1	7878.0	7838.7	7712.7	7499.9	7425.4
27.5°	8222.3	8165.3	8111.1	7924.1	7903.8	8024.4	8033.9	8035.2	7929.5	7714.0	7658.5
30°	8340.2	8276.5	8200.6	8004.1	8019.0	8196.5	8254.8	8227.7	8113.8	7920.0	7871.3
32.5°	8699.3	8631.5	8494.7	8195.2	8159.9	8376.8	8447.2	8367.3	8260.2	8105.7	8086.7
35°	9508.4	9404.0	9130.3	8593.6	8342.9	8487.9	8586.8	8528.5	8441.8	8349.7	8371.3
37.5°	10831.1	10687.4	10247.0	9326.8	8688.5	8645.1	8783.3	8784.7	8704.7	8666.8	8725.1
40°	12388.3	12237.8	11779.8	10505.8	9359.3	8977.1	9103.2	9168.2	9096.4	9122.1	9207.5
42.5°	13902.1	13746.2	13418.3	11984.4	10263.3	9573.4	9597.8	9757.7	9685.9	9772.7	9923.1
45°	15115.0	14983.6	14852.1	13418.3	11514.1	10448.9	10274.1	10556.0	10530.2	10699.6	10909.7
47.5°	15971.5	15836.0	15852.3	14781.6	13004.9	11567.0	11144.2	11611.7	11626.6	11999.3	12231.1
50°	16661.4	16529.9	16573.3	15940.4	14505.2	12910.0	12241.9	12858.5	13101.1	13666.3	13944.1
52.5°	17442.0	17329.5	17424.4	16994.7	16085.4	14364.2	13518.5	14365.6	14742.3	15630.0	15913.3
55°	18321.5	18224.0	18523.5	18260.5	17791.6	15887.5	14937.5	16071.8	16542.1	17912.2	18272.7
57.5°	19027.6	18923.3	19556.2	19812.3	19604.9	17451.5	16512.3	17847.2	18324.2	20458.7	20807.0
60°	19842.1	19691.7	20484.5	21281.4	21522.6	18989.7	18284.9	19796.0	20260.9	23220.7	23323.7
62.5°	20338.1	20222.9	21289.5	22590.5	23243.8	20789.4	20311.0	21738.1	22240.9	26076.2	25581.6
65°	19647.0	19703.9	21732.7	23636.8	24805.0	22949.7	22540.4	23796.7	24311.7	28624.1	27102.1
67.5°	18221.2	18329.7	21224.5	24321.2	26401.5	25414.9	24887.7	25965.1	26317.5	30117.6	27358.3
70°	16538.0	16637.0	19595.5	24451.3	27896.3	28557.7	27774.3	28316.4	27867.9	29567.3	25488.1
72.5°	14013.2	14276.1	16559.7	22769.4	28545.5	31743.9	30880.6	30123.0	27779.8	25786.2	21025.2
75°	9356.6	9488.1	11716.1	18160.3	26978.8	33084.2	32122.0	29693.4	25057.1	18644.1	14621.7
77.5°	4134.8	4546.8	6090.5	10646.8	21079.4	30947.0	29472.5	24870.1	17378.3	10245.6	7261.4
80°	1515.2	1603.3	2377.1	4405.9	12227.0	23434.9	21377.6	15859.1	8784.7	3888.2	2713.2
82.5°	847.0	887.7	1292.9	2016.6	5488.7	13078.1	11893.6	6838.6	3029.0	1278.0	1139.8
85°	467.6	487.9	792.8	1265.8	2668.5	5682.5	4527.9	2318.8	1226.5	512.3	485.2
87.5°	206.0	241.2	426.9	641.0	1217.0	1299.7	1126.2	905.3	571.9	193.8	170.8
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: P639328

CATALOG NUMBER: USSL-M-PA6C-730-U-T4W

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5964.4	5964.4	5964.4	5964.4	5964.4	5964.4	5964.4	5964.4	5964.4	5964.4
2.5°	5954.9	5934.6	5922.4	5895.3	5879.0	5884.5	5887.2	5896.7	5912.9	5877.7
5°	5930.5	5902.1	5899.4	5899.4	5918.3	5948.2	5976.6	5999.7	6033.5	5988.8
7.5°	5983.4	5952.2	5953.6	5972.6	6010.5	6067.4	6129.8	6171.8	6220.6	6167.7
10°	6139.3	6101.3	6113.5	6128.4	6170.4	6236.8	6319.5	6392.7	6452.3	6413.0
12.5°	6329.0	6295.1	6303.2	6338.5	6390.0	6452.3	6528.2	6596.0	6654.2	6602.7
15°	6522.8	6507.9	6522.8	6579.7	6642.0	6671.9	6680.0	6712.5	6751.8	6708.5
17.5°	6750.5	6732.8	6749.1	6823.6	6838.6	6808.7	6749.1	6735.6	6758.6	6719.3
20°	6964.6	6956.5	6970.0	7008.0	6957.8	6849.4	6750.5	6711.2	6741.0	6701.7
22.5°	7195.0	7148.9	7135.4	7092.0	6953.8	6816.9	6711.2	6675.9	6719.3	6690.8
25°	7418.6	7308.8	7207.2	7041.8	6837.2	6715.2	6635.3	6604.1	6647.5	6635.3
27.5°	7627.3	7436.2	7188.2	6850.8	6623.1	6517.4	6482.1	6472.6	6528.2	6521.4
30°	7842.8	7537.9	7066.2	6559.4	6280.2	6197.5	6249.0	6311.4	6379.1	6391.3
32.5°	8059.6	7609.7	6853.5	6184.0	5880.4	5808.6	5952.2	6094.5	6186.7	6219.2
35°	8319.8	7661.2	6564.8	5743.5	5406.1	5387.1	5561.9	5747.6	5877.7	5902.1
37.5°	8641.0	7691.0	6211.1	5278.7	4912.8	4901.9	5061.8	5231.2	5341.0	5396.6
40°	9086.9	7696.4	5761.1	4761.0	4419.4	4404.5	4468.2	4559.0	4617.3	4679.7
42.5°	9719.8	7677.5	5301.7	4237.8	3991.2	3932.9	3905.8	3889.5	3797.4	3815.0
45°	10583.1	7654.4	4819.2	3782.5	3592.7	3465.4	3382.7	3262.1	3080.5	3077.8
47.5°	11686.3	7684.2	4388.3	3389.5	3251.2	3108.9	2947.7	2759.3	2562.8	2551.9
50°	12981.9	7810.3	3951.9	3050.7	2955.8	2818.9	2634.6	2409.6	2221.2	2203.6
52.5°	14465.9	7956.6	3518.2	2756.6	2729.5	2599.4	2397.4	2169.7	2022.0	2000.3
55°	16214.1	8219.5	3106.2	2512.6	2538.4	2424.5	2224.0	2012.5	1889.2	1877.0
57.5°	18089.8	8456.7	2725.4	2316.1	2375.7	2293.1	2107.4	1915.0	1822.8	1799.8
60°	20099.6	8237.2	2438.1	2146.7	2234.8	2192.8	2008.5	1824.2	1774.0	1761.8
62.5°	21778.8	7340.0	2209.0	2001.7	2114.2	2107.4	1932.6	1784.9	1774.0	1765.9
65°	22658.3	5861.4	2046.4	1879.7	2016.6	2027.4	1920.4	1799.8	1825.5	1835.0
67.5°	22272.1	4256.8	1936.6	1780.8	1935.3	2135.9	2238.9	2180.6	2183.3	2175.2
70°	20317.8	2997.8	1835.0	1703.5	2045.1	2718.6	2698.3	2397.4	2257.8	2177.9
72.5°	16478.4	2218.5	1719.8	1646.6	2336.4	3035.7	2653.6	2172.5	1957.0	1886.5
75°	10675.2	1756.4	1554.5	1515.2	2287.6	2862.3	2348.6	1910.9	1685.9	1616.8
77.5°	4900.6	1416.2	1345.8	1278.0	1928.5	2469.3	1978.7	1607.3	1416.2	1394.5
80°	1923.1	1169.6	1088.3	1036.8	1578.9	2131.8	1737.4	1405.4	1233.3	1196.7
82.5°	960.9	924.3	841.6	788.8	1339.0	1924.4	1534.1	1211.6	1059.8	993.4
85°	517.7	618.0	586.8	525.8	944.6	1431.1	1118.1	848.4	703.4	696.6
87.5°	256.1	281.9	237.2	250.7	483.8	768.4	689.8	532.6	402.5	421.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)