

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: P639246

Luminaire Tested: **USSL-M-PA6B-730-U-T4W-HSS**

Issue Date: 1/25/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P639246  
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-PA6B-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**

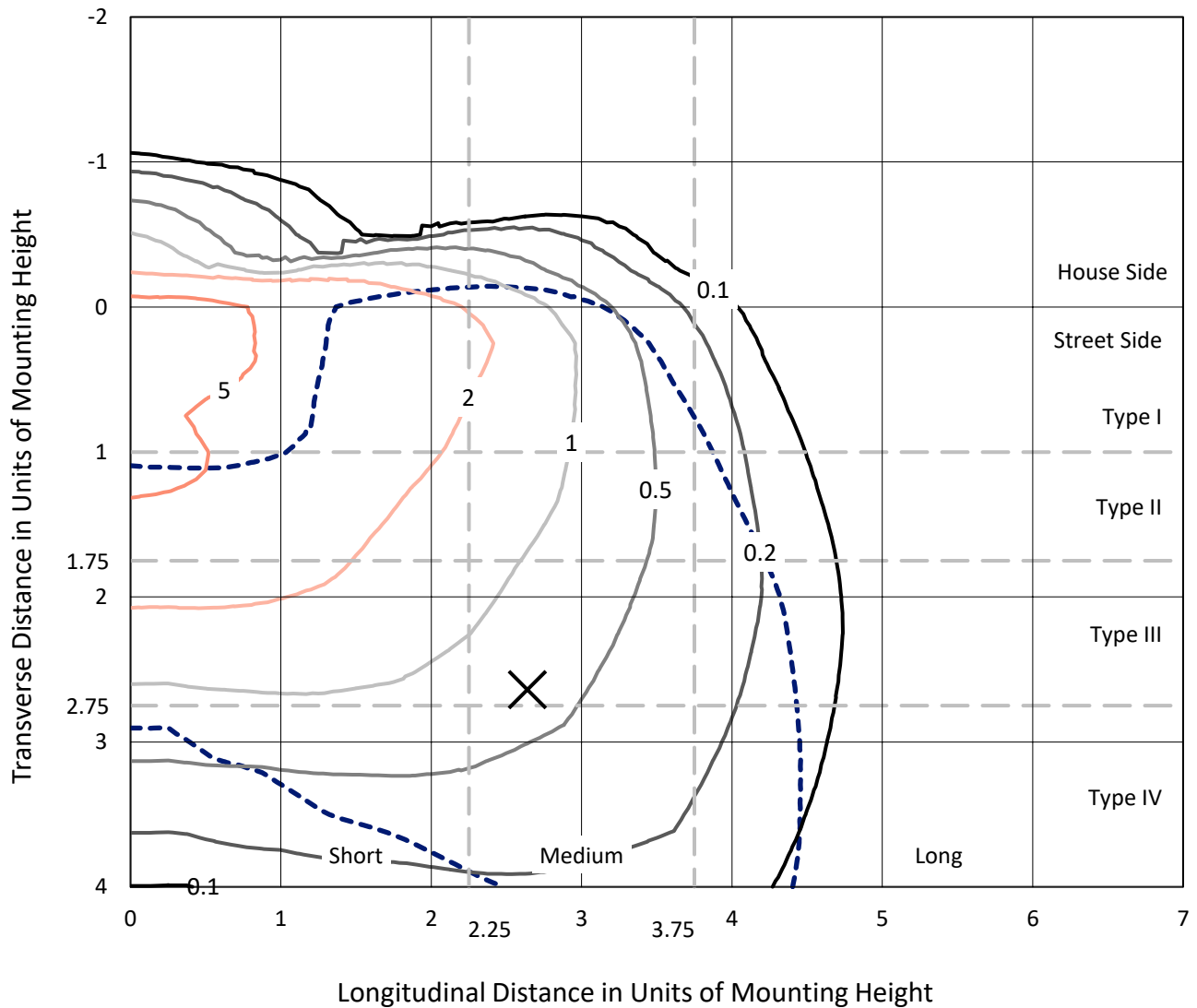
Lumens per Lamp: N/A  
Luminaire Lumens: 34540 lumens  
Efficiency: N/A  
Efficacy: 94.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G5  
  
Input Watts (W): 365.8  
Input Voltage (V): NR  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

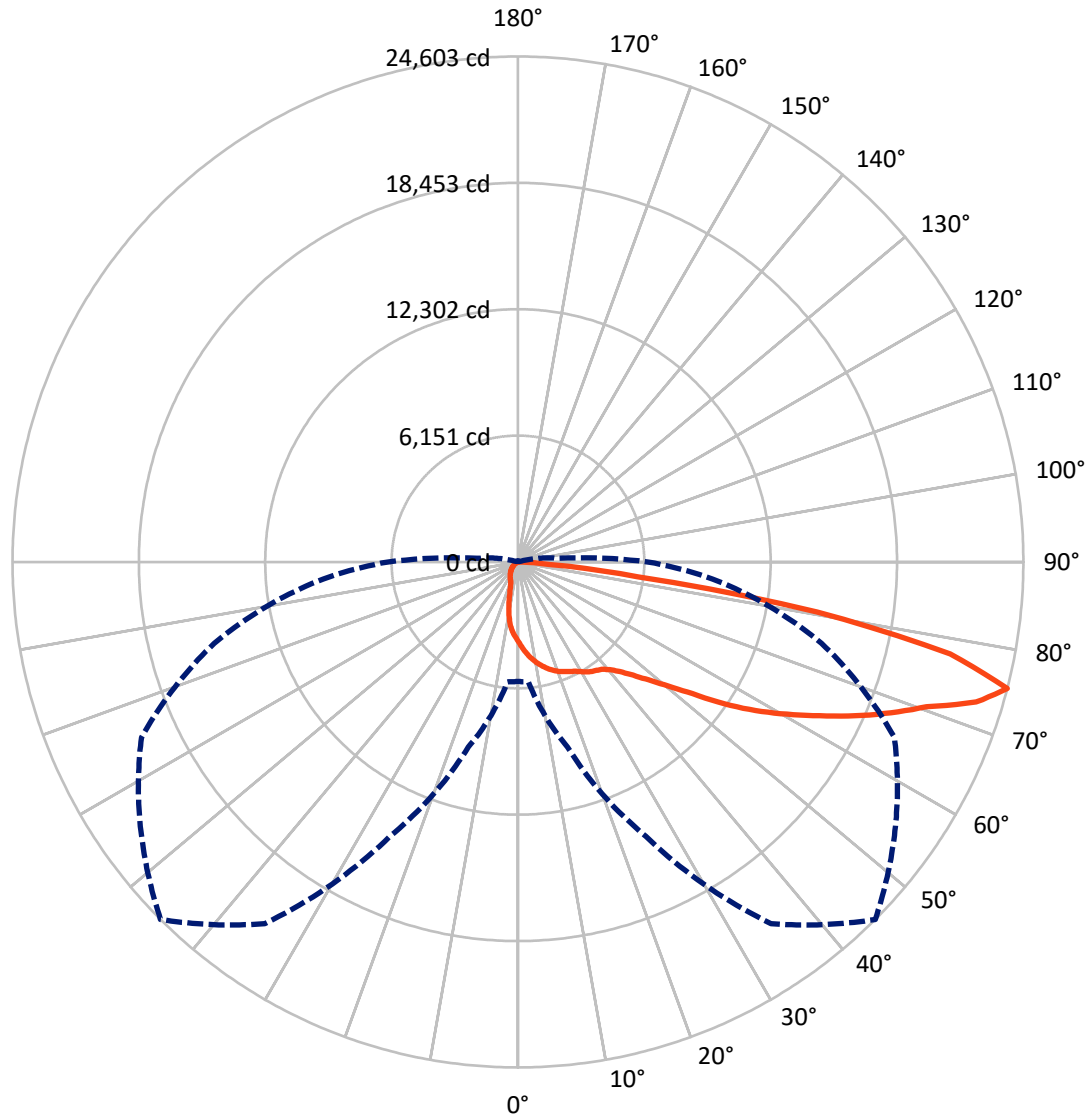
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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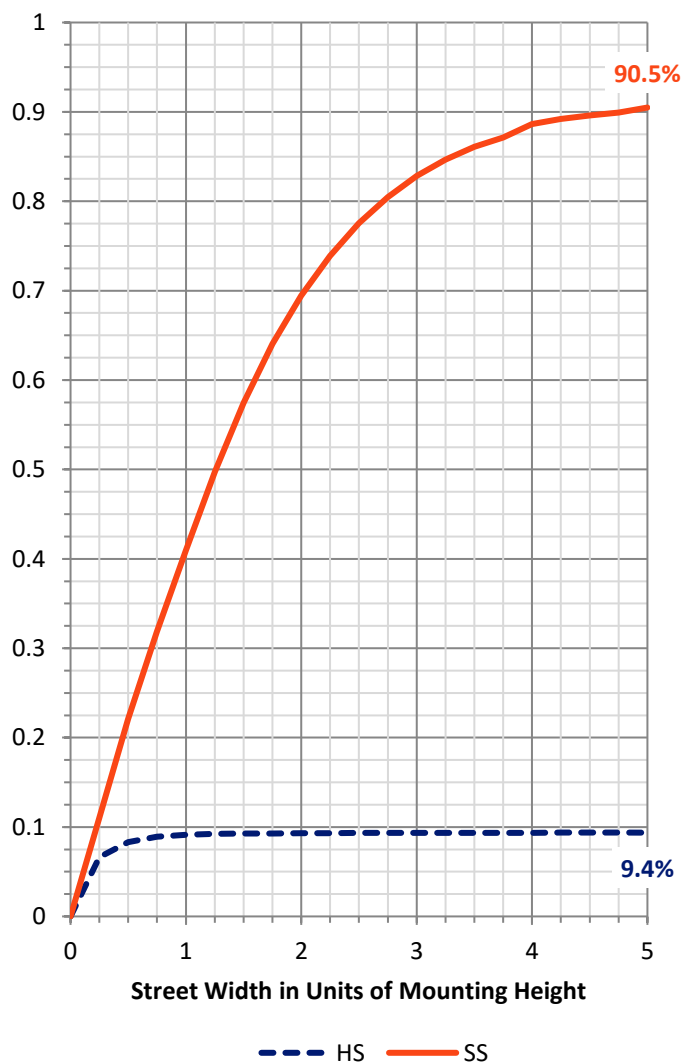
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3264.0	0.0	3264.0
	% Fixture	9.5	0.0	9.5
<b>Street Side</b>	Lumens	31276.0	0.0	31276.0
	% Fixture	90.5	0.0	90.5
<b>Total</b>	Lumens	34540.0	0.0	34540.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	371.6	1.1
10°-20°	1068.4	3.1
20°-30°	1740.9	5.0
30°-40°	2456.9	7.1
40°-50°	3925.4	11.4
50°-60°	6656.5	19.3
60°-70°	9649.2	27.9
70°-80°	7854.3	22.7
80°-90°	816.8	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°	34540.0	100.0
0°-180°	34540.0	100.0

**Coefficient of Utilization**



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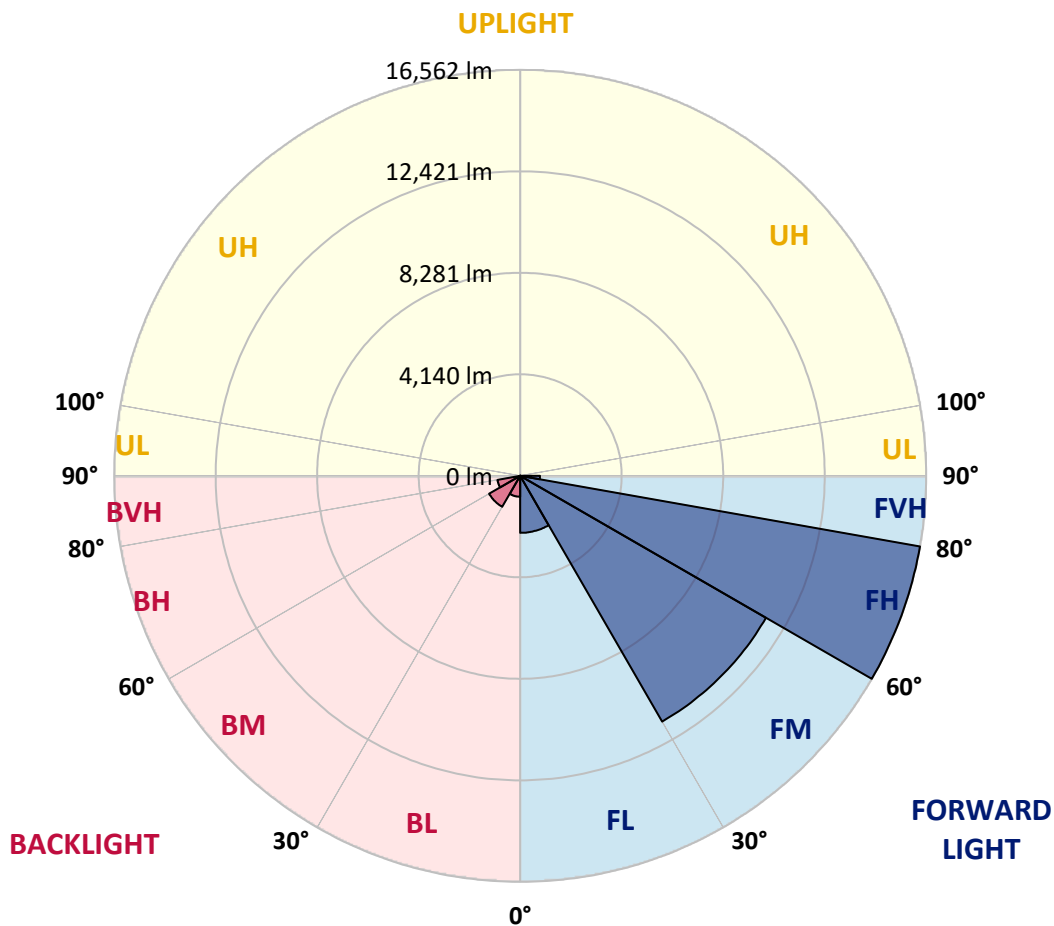
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2327.6	6.7			
FM (30°-60°)	11578.0	33.5			
FH (60°-80°)	16561.9	47.9			G5
FVH (80°-90°)	808.4	2.3			G5
BL (0°-30°)	853.3	2.5	B2/1000		
BM (30°-60°)	1460.8	4.2	B2/2500		
BH (60°-80°)	941.7	2.7	B2/1000		G2/1000
BVH (80°-90°)	8.4	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3888.6	3888.6	3888.6	3888.6	3888.6	3888.6	3888.6	3888.6	3888.6	3888.6	3888.6
2.5°	4323.7	4326.0	4308.7	4269.6	4224.7	4187.9	4121.1	4055.5	3985.3	3917.3	3887.4
5°	4758.8	4750.8	4717.4	4646.0	4559.7	4476.8	4341.0	4215.5	4071.6	3932.3	3869.0
7.5°	5162.9	5142.2	5089.2	4986.8	4875.1	4738.1	4563.1	4380.1	4181.0	4000.2	3907.0
10°	5514.0	5495.6	5418.4	5284.9	5134.1	4972.9	4778.4	4585.0	4370.9	4137.2	4020.9
12.5°	5819.0	5784.5	5691.3	5522.0	5343.6	5183.6	4985.6	4809.5	4557.4	4307.6	4163.7
15°	6079.2	6041.2	5934.1	5725.8	5517.4	5377.0	5198.6	5023.6	4783.0	4484.9	4319.1
17.5°	6257.6	6221.9	6105.7	5872.0	5660.2	5541.6	5408.1	5235.4	4993.7	4670.2	4484.9
20°	6316.3	6277.2	6180.5	5942.2	5752.3	5688.9	5575.0	5428.8	5192.8	4860.1	4661.0
22.5°	6259.9	6221.9	6155.2	5936.4	5804.1	5799.5	5723.5	5606.1	5380.4	5045.5	4830.2
25°	6180.5	6144.8	6089.5	5903.1	5837.4	5899.6	5862.8	5764.9	5578.4	5243.5	5032.8
27.5°	6149.4	6110.3	6060.8	5907.7	5904.2	6025.1	6026.2	5954.9	5779.9	5449.5	5229.6
30°	6201.2	6157.5	6102.2	5972.1	6014.7	6198.9	6251.9	6171.3	5968.7	5640.6	5431.1
32.5°	6331.3	6253.0	6185.1	6067.7	6137.9	6377.3	6460.2	6333.6	6118.3	5836.3	5652.1
35°	6554.6	6433.7	6320.9	6193.1	6248.4	6491.3	6613.3	6516.6	6300.2	6073.4	5920.3
37.5°	7034.6	6882.7	6697.4	6442.9	6408.4	6629.4	6818.2	6805.6	6583.4	6385.4	6266.8
40°	7972.8	7781.7	7513.5	6964.4	6684.7	6881.5	7140.5	7206.2	6982.8	6811.3	6727.3
42.5°	9511.9	9318.5	8836.2	7799.0	7121.0	7287.9	7579.1	7752.9	7523.9	7412.2	7337.4
45°	11126.9	10978.5	10484.6	9035.3	7845.0	7862.3	8172.0	8495.4	8351.5	8227.2	8122.5
47.5°	12351.8	12207.9	11853.3	10531.8	8958.2	8576.0	8901.8	9392.2	9325.4	9218.4	9106.7
50°	13225.5	13071.2	12844.5	11942.0	10400.6	9473.9	9764.0	10431.7	10597.4	10534.1	10325.8
52.5°	14043.9	13888.5	13694.0	13170.2	12027.1	10638.9	10789.7	11697.9	11983.4	12015.6	11560.9
55°	14723.1	14601.1	14682.8	14350.1	13717.0	12198.7	11986.9	13012.5	13456.9	13688.2	12972.2
57.5°	15150.2	15016.7	15463.3	15647.5	15426.5	13645.7	13268.1	14457.2	14916.5	15494.4	14289.1
60°	15573.8	15420.7	16037.7	16800.9	17038.1	15046.6	14682.8	15912.3	16386.5	17567.6	15617.6
62.5°	15817.9	15649.8	16500.5	17679.3	18334.3	16478.6	16193.1	17390.3	17896.8	19734.0	16744.5
65°	14977.5	14937.2	16638.6	18256.0	19402.5	18053.4	17807.0	18864.9	19407.1	21716.3	17651.6
67.5°	13940.3	13932.3	16205.8	18617.4	20277.4	19583.2	19342.7	20376.4	20815.0	22893.9	17810.5
70°	13180.6	13182.9	15427.6	19095.2	21281.2	21106.2	20851.8	21791.1	21699.0	22031.7	16377.3
72.5°	10919.7	11029.1	13421.2	18388.4	22496.8	23322.2	22215.9	22438.1	20343.0	17065.7	12064.0
75°	5813.3	5860.5	9322.0	14732.3	21489.5	24603.4	22435.8	20222.1	15305.6	9506.1	6338.2
77.5°	1956.9	1915.5	3247.4	7949.8	16393.4	21511.4	18389.5	14223.5	8189.2	3134.6	2047.9
80°	618.2	638.9	1051.0	2527.9	8652.0	14760.0	11069.4	7045.0	2449.6	701.0	404.1
82.5°	278.6	301.6	483.5	1109.7	3399.3	5862.8	5356.3	2432.4	840.3	224.5	150.8
85°	104.8	111.7	237.1	632.0	1380.2	1609.3	1859.1	891.0	539.9	88.6	59.9
87.5°	25.3	28.8	97.8	204.9	322.3	218.7	306.2	329.2	302.8	31.1	24.2
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):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3888.6	3888.6	3888.6	3888.6	3888.6	3888.6	3888.6	3888.6	3888.6	3888.6
2.5°	3858.6	3795.3	3751.6	3688.3	3630.7	3610.0	3578.9	3569.7	3570.8	3543.2
5°	3812.6	3696.3	3600.8	3493.7	3398.2	3324.5	3246.2	3202.5	3182.9	3172.6
7.5°	3822.9	3652.6	3485.7	3285.4	3071.2	2894.0	2734.0	2641.9	2592.4	2583.2
10°	3908.1	3672.1	3393.6	3013.7	2623.5	2327.6	2099.7	1974.2	1899.4	1889.0
12.5°	4026.7	3706.7	3245.1	2658.0	2112.3	1714.1	1464.3	1382.5	1359.5	1357.2
15°	4157.9	3723.9	3027.5	2234.4	1592.0	1252.4	1138.5	1148.8	1162.7	1163.8
17.5°	4300.7	3709.0	2738.6	1776.2	1213.3	1059.1	1026.8	1056.7	1095.9	1097.0
20°	4453.8	3646.8	2396.7	1366.4	1039.5	983.1	980.8	1003.8	1045.2	1049.8
22.5°	4608.0	3530.6	1976.5	1105.1	954.3	941.6	934.7	949.7	991.1	995.7
25°	4765.7	3352.1	1563.3	954.3	902.5	896.7	886.4	895.6	930.1	935.9
27.5°	4930.3	3144.9	1232.9	858.8	843.8	841.5	838.0	834.6	865.7	872.6
30°	5084.6	2849.1	979.6	790.8	773.6	775.9	772.4	772.4	797.7	803.5
32.5°	5246.9	2537.1	821.9	729.8	703.3	699.9	703.3	706.8	722.9	728.7
35°	5423.0	2175.7	732.1	673.4	637.7	621.6	622.8	628.5	640.0	645.8
37.5°	5625.6	1830.3	672.3	621.6	577.9	551.4	537.6	537.6	550.2	550.2
40°	5872.0	1465.4	628.5	573.3	522.6	483.5	457.0	437.4	431.7	440.9
42.5°	6170.1	1166.1	591.7	535.3	470.8	422.5	374.1	333.8	323.5	326.9
45°	6544.2	912.9	557.2	496.1	417.9	355.7	291.2	238.3	224.5	227.9
47.5°	6993.2	748.2	521.5	453.6	362.6	288.9	204.9	161.2	160.0	163.5
50°	7519.3	638.9	478.9	412.1	309.7	217.6	138.1	112.8	123.2	128.9
52.5°	8101.7	576.7	437.4	371.8	254.4	152.0	97.8	89.8	103.6	108.2
55°	8688.8	534.1	397.1	325.8	198.0	108.2	77.1	76.0	90.9	94.4
57.5°	9189.6	484.6	358.0	274.0	149.6	86.3	67.9	67.9	82.9	86.3
60°	9583.3	419.0	312.0	209.5	115.1	76.0	59.9	59.9	76.0	79.4
62.5°	9882.6	323.5	242.9	155.4	97.8	71.4	54.1	53.0	69.1	73.7
65°	9955.1	224.5	177.3	118.6	88.6	67.9	48.3	46.0	62.2	65.6
67.5°	9624.7	158.9	132.4	95.5	82.9	65.6	43.7	39.1	54.1	57.6
70°	8360.8	123.2	102.5	78.3	79.4	64.5	40.3	33.4	43.7	46.0
72.5°	5640.6	101.3	82.9	66.8	74.8	61.0	35.7	26.5	34.5	35.7
75°	2003.0	81.7	65.6	54.1	64.5	54.1	29.9	20.7	25.3	26.5
77.5°	360.3	59.9	47.2	39.1	49.5	42.6	24.2	15.0	18.4	18.4
80°	90.9	34.5	27.6	21.9	33.4	29.9	18.4	11.5	12.7	12.7
82.5°	38.0	18.4	18.4	15.0	18.4	18.4	11.5	6.9	8.1	8.1
85°	21.9	15.0	15.0	12.7	12.7	11.5	8.1	4.6	2.3	3.5
87.5°	15.0	13.8	12.7	11.5	10.4	6.9	4.6	2.3	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)