

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: P480824

Luminaire Tested: **IFLD-S-SA6B-730-U-SL4**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P480824
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-730-U-SL4
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL4 distribution lens
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

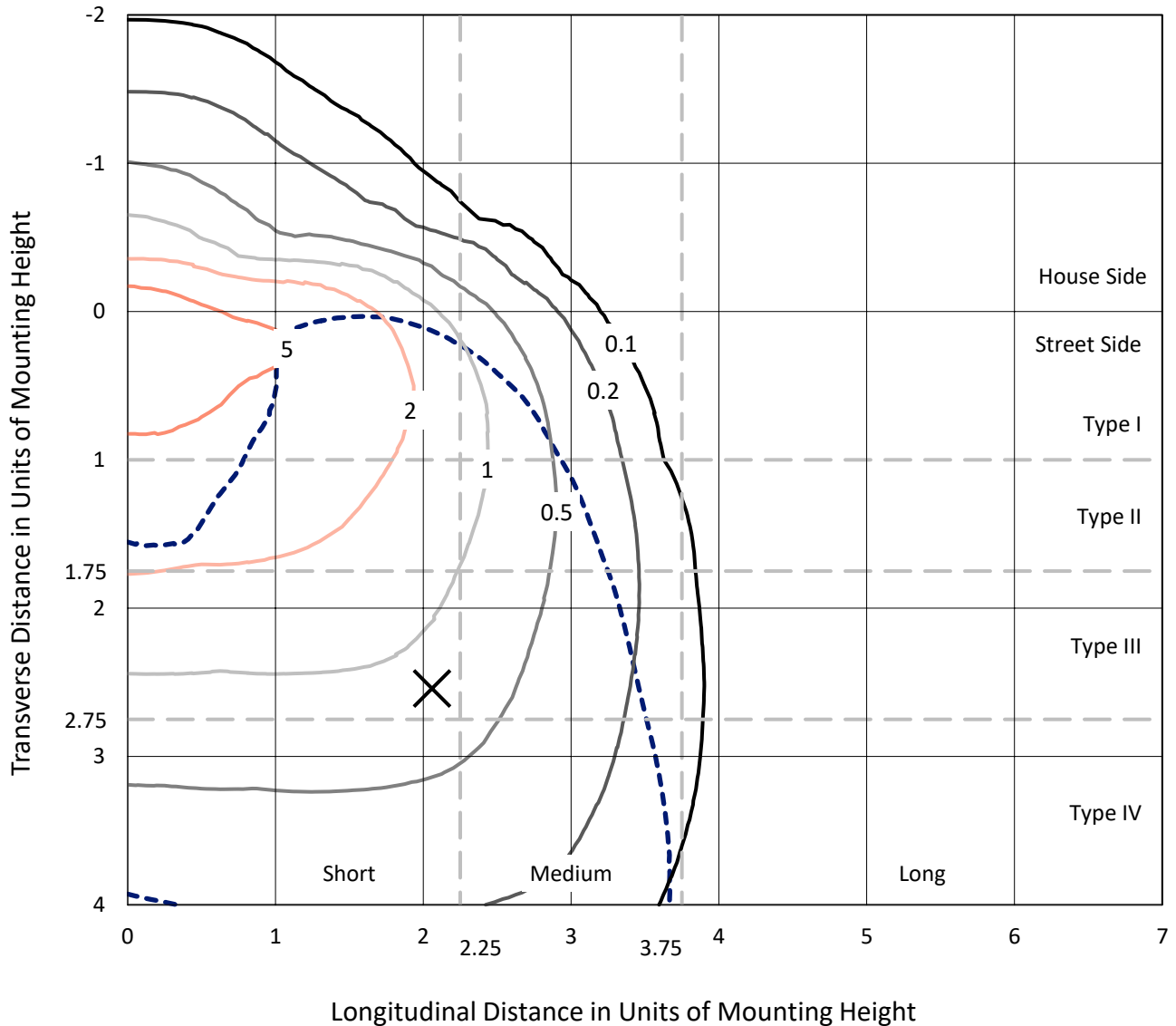
Lumens per Lamp: N/A
Luminaire Lumens: 29401 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 244.9
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

REPORT NUMBER: P480824
 CATALOG NUMBER: IFLD-S-SA6B-730-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

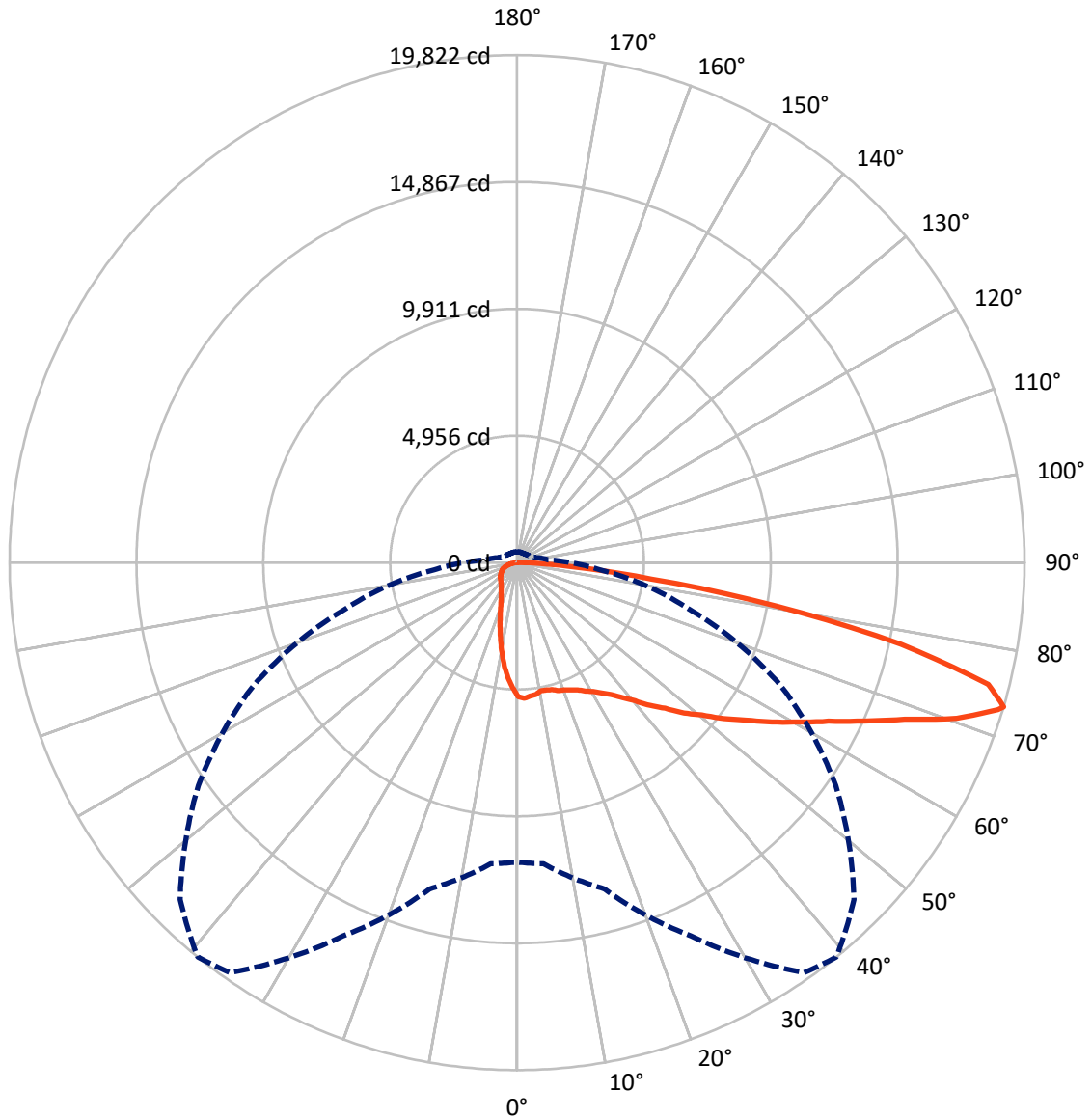
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P480824
CATALOG NUMBER: IFLD-S-SA6B-730-U-SL4

Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

REPORT NUMBER: P480824

CATALOG NUMBER: IFLD-S-SA6B-730-U-SL4

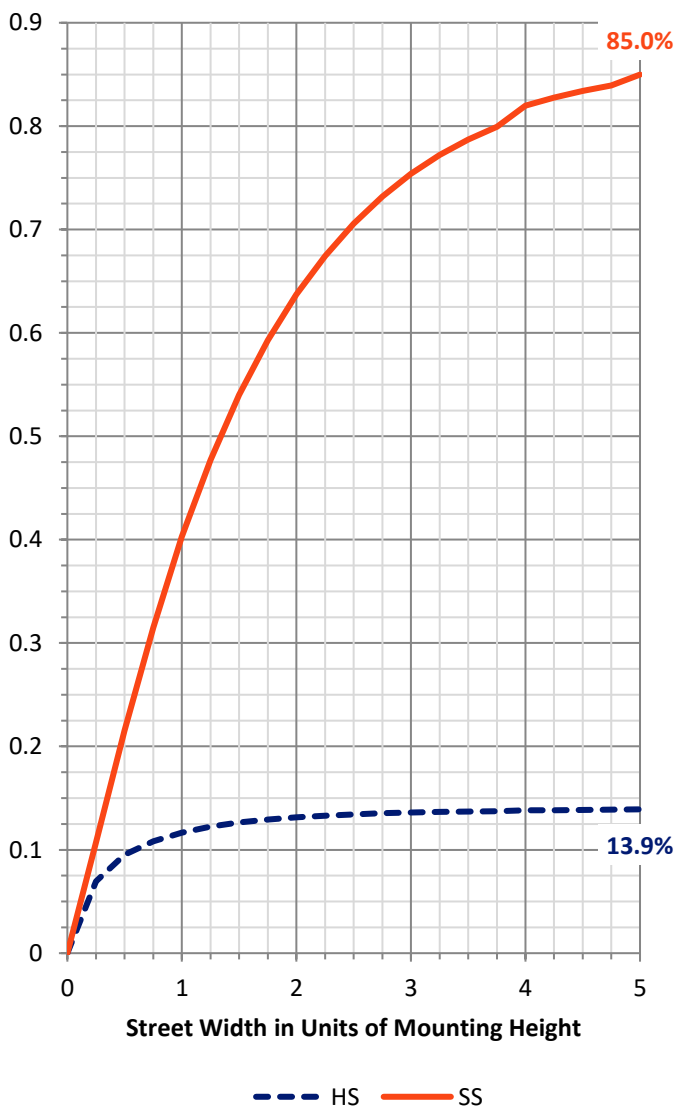
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4133.0	0.0	4133.0
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	25268.0	0.0	25268.0
	% Fixture	85.9	0.0	85.9
Total	Lumens	29401.0	0.0	29401.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.3	1.5
10°-20°	1154.9	3.9
20°-30°	1764.9	6.0
30°-40°	2573.2	8.8
40°-50°	3888.4	13.2
50°-60°	5630.6	19.2
60°-70°	7154.0	24.3
70°-80°	5799.4	19.7
80°-90°	981.2	3.3
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°	29401.0	100.0
0°-180°	29401.0	100.0

Coefficient of Utilization



REPORT NUMBER: P480824

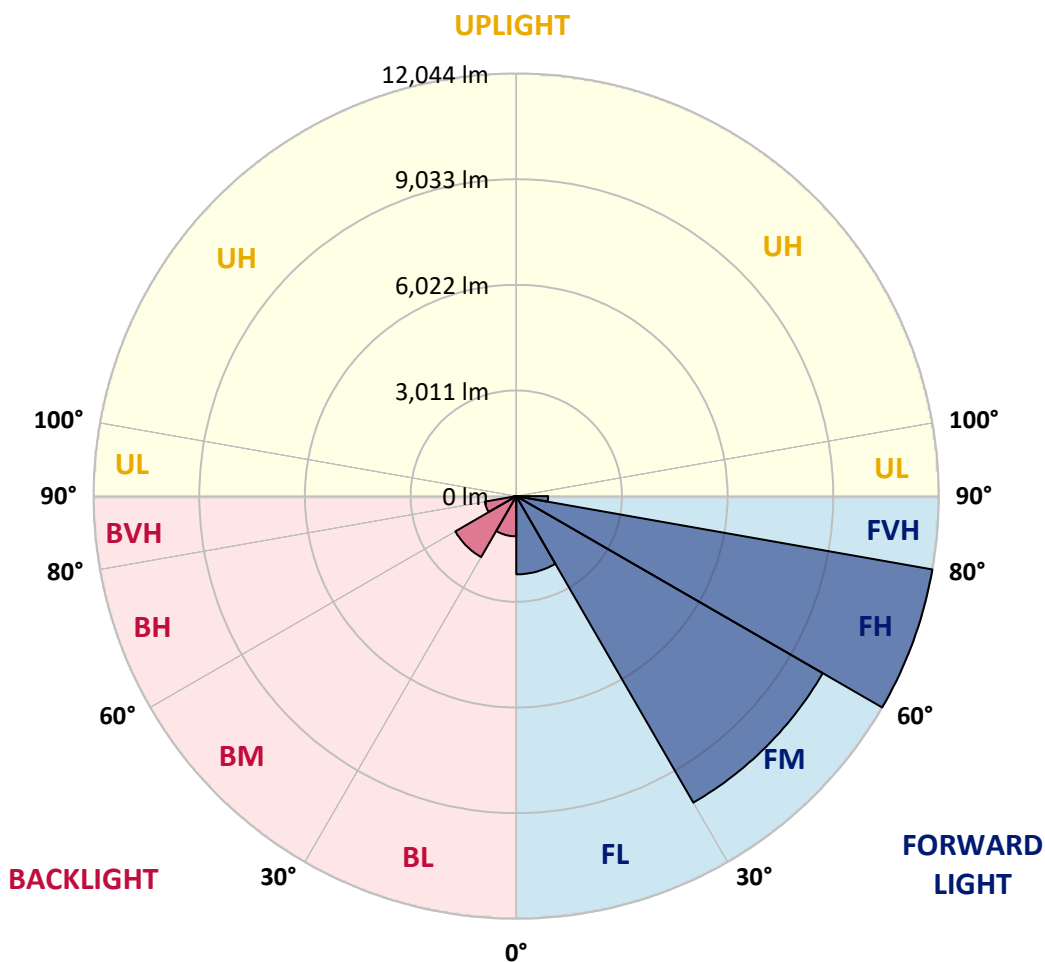
CATALOG NUMBER: IFLD-S-SA6B-730-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2227.9	7.6			
FM (30°-60°)	10086.4	34.3			
FH (60°-80°)	12044.4	41.0			G5
FVH (80°-90°)	909.2	3.1			G5
BL (0°-30°)	1146.2	3.9	B3/2500		
BM (30°-60°)	2005.8	6.8	B2/2500		
BH (60°-80°)	909.0	3.1	B2/1000		G2/1000
BVH (80°-90°)	72.0	0.2			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 IV Short





REPORT NUMBER: P480824
 CATALOG NUMBER: IFLD-S-SA6B-730-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	5233.6	5233.6	5233.6	5233.6	5233.6	5233.6	5233.6	5233.6	5233.6	5233.6	5233.6
2.5°	5358.6	5302.6	5312.5	5292.8	5312.5	5305.9	5296.1	5246.7	5296.1	5246.7	5233.6
5°	5286.2	5286.2	5319.1	5269.7	5276.3	5243.4	5276.3	5240.1	5207.2	5125.0	5102.0
7.5°	5263.2	5259.9	5263.2	5194.1	5227.0	5207.2	5174.3	5134.9	5069.1	5016.4	4940.8
10°	5105.3	5138.2	5102.0	5121.7	5148.0	5088.8	5085.5	5075.7	5046.1	4977.0	4930.9
12.5°	5019.7	5075.7	5095.4	5078.9	5102.0	5108.6	5088.8	5075.7	5039.5	4993.4	4861.8
15°	5055.9	4990.1	5046.1	5154.6	5131.6	5148.0	5151.3	5138.2	5121.7	5036.2	4950.7
17.5°	5065.8	5026.3	5144.7	5167.8	5197.4	5256.6	5217.1	5213.8	5151.3	5092.1	4967.1
20°	5088.8	5072.4	5167.8	5289.5	5292.8	5302.6	5322.4	5273.0	5240.1	5138.2	4947.4
22.5°	5174.3	5230.3	5319.1	5371.7	5401.3	5407.9	5407.9	5309.2	5273.0	5190.8	5039.5
25°	5430.9	5371.7	5496.7	5559.2	5516.4	5506.6	5483.6	5394.7	5355.3	5282.9	5082.2
27.5°	5618.4	5615.1	5687.5	5773.0	5657.9	5680.9	5598.7	5572.4	5483.6	5444.1	5157.9
30°	5875.0	5947.4	5944.1	5970.4	5819.1	5845.4	5740.1	5690.8	5641.4	5664.5	5381.6
32.5°	6203.9	6177.6	6220.4	6200.7	6049.3	6072.4	5947.4	5871.7	5888.2	5957.2	5687.5
35°	6414.5	6388.2	6404.6	6404.6	6358.6	6332.2	6279.6	6180.9	6259.9	6388.2	6029.6
37.5°	6641.5	6674.3	6769.7	6750.0	6690.8	6690.8	6684.2	6615.1	6717.1	7032.9	6575.7
40°	6842.1	6930.9	6990.1	7029.6	7098.7	7098.7	7154.6	7115.1	7299.3	7805.9	7243.4
42.5°	7052.6	7055.9	7378.3	7407.9	7562.5	7628.3	7671.1	7704.0	8049.3	8615.1	7957.2
45°	7322.4	7338.8	7621.7	7848.7	8088.8	8111.8	8273.0	8381.6	8805.9	9500.0	8733.6
47.5°	7677.6	7657.9	7960.5	8322.4	8621.7	8779.6	8973.7	9092.1	9615.1	10460.5	9582.2
50°	8144.7	8085.5	8259.9	8829.0	9180.9	9355.3	9700.7	9898.0	10509.9	11378.3	10164.5
52.5°	8713.8	8615.1	8753.3	9375.0	9769.7	10121.7	10450.7	10671.1	11309.2	12088.8	10595.4
55°	9315.8	9111.8	9151.3	9954.0	10523.0	10855.3	11305.9	11536.2	12187.5	12727.0	11026.3
57.5°	9911.2	9782.9	9704.0	10509.9	11421.1	11740.1	12154.6	12454.0	13006.6	13292.8	11391.5
60°	10411.2	10378.3	10250.0	11371.7	12371.7	12644.7	13079.0	13263.2	13680.9	13815.8	11398.0
62.5°	10822.4	10710.5	10914.5	12065.8	13338.8	13648.0	14125.0	14141.5	14437.5	14141.5	11062.5
65°	11144.7	11151.3	11477.0	12904.6	14457.2	14914.5	15299.3	15256.6	15065.8	13947.4	10269.7
67.5°	11437.5	11562.5	12039.5	13825.7	15894.7	16325.7	16753.3	16187.5	15236.8	13039.5	8720.4
70°	11667.8	11792.8	12799.3	14947.4	17588.8	18220.4	18315.8	16555.9	14450.7	11046.1	6579.0
72.5°	11641.5	11868.4	13230.3	15842.1	19092.1	19638.2	18868.4	15519.7	12039.5	7700.7	3838.8
73°	11697.4	11809.2	13194.1	16092.1	19549.4	19822.4	18611.8	15194.1	11355.3	6907.9	3246.7
75°	10618.4	10996.7	12539.5	15684.2	19059.2	19009.9	17138.2	12661.2	8072.4	3628.3	1572.4
77.5°	7855.3	8095.4	9881.6	12898.0	15644.7	15329.0	12927.6	8092.1	3832.2	1345.4	848.7
80°	3838.8	4026.3	5236.8	7447.4	10230.3	10256.6	8023.0	4210.5	1641.4	759.9	578.9
82.5°	1917.8	2029.6	2516.4	3273.0	5032.9	5273.0	4069.1	2394.7	1016.4	430.9	328.9
85°	1253.3	1332.2	1549.3	1602.0	2134.9	2253.3	1894.7	1868.4	661.2	233.6	266.4
87.5°	832.2	845.4	950.7	809.2	855.3	822.4	914.5	1177.6	194.1	98.7	72.4
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: P480824
 CATALOG NUMBER: IFLD-S-SA6B-730-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5233.6	5233.6	5233.6	5233.6	5233.6	5233.6	5233.6	5233.6	5233.6	5233.6	5233.6
2.5°	5217.1	5171.1	5121.7	5052.6	5003.3	4927.6	4858.6	4828.9	4822.4	4825.7	4792.8
5°	5082.2	5016.4	4917.8	4776.3	4694.1	4569.1	4463.8	4407.9	4348.7	4358.6	4332.2
7.5°	4894.7	4822.4	4671.1	4506.6	4302.6	4125.0	4026.3	3888.2	3809.2	3750.0	3782.9
10°	4835.5	4710.5	4483.6	4256.6	3940.8	3707.2	3480.3	3322.4	3213.8	3108.6	3154.6
12.5°	4805.9	4680.9	4365.1	4029.6	3621.7	3266.4	2947.4	2753.3	2598.7	2506.6	2542.8
15°	4779.6	4625.0	4253.3	3779.6	3322.4	2855.3	2496.7	2240.1	2092.1	2003.3	2013.2
17.5°	4815.8	4595.4	4088.8	3536.2	2993.4	2493.4	2095.4	1828.9	1677.6	1621.7	1608.6
20°	4779.6	4562.5	3927.6	3292.8	2664.5	2148.0	1766.4	1546.1	1440.8	1394.7	1384.9
22.5°	4792.8	4483.6	3759.9	3023.0	2358.6	1858.6	1546.1	1378.3	1296.1	1273.0	1279.6
25°	4855.3	4437.5	3592.1	2727.0	2055.9	1644.7	1404.6	1276.3	1217.1	1194.1	1200.7
27.5°	4901.3	4477.0	3440.8	2447.4	1799.3	1453.9	1286.2	1200.7	1161.2	1144.7	1141.4
30°	5016.4	4500.0	3292.8	2197.4	1588.8	1328.9	1203.9	1134.9	1108.6	1098.7	1095.4
32.5°	5187.5	4542.8	3121.7	1967.1	1434.2	1210.5	1138.2	1078.9	1072.4	1062.5	1065.8
35°	5467.1	4690.8	2930.9	1769.7	1286.2	1131.6	1069.1	1029.6	1029.6	1029.6	1039.5
37.5°	5868.4	4898.0	2759.9	1582.2	1190.8	1062.5	1009.9	996.7	990.1	1000.0	1006.6
40°	6384.9	5148.0	2621.7	1434.2	1108.6	1016.4	970.4	963.8	960.5	957.2	963.8
42.5°	6950.7	5467.1	2503.3	1319.1	1049.3	967.1	934.2	927.6	914.5	921.1	930.9
45°	7513.2	5861.8	2398.0	1227.0	1009.9	940.8	894.7	891.4	884.9	881.6	898.0
47.5°	8138.2	6250.0	2365.1	1171.1	980.3	901.3	868.4	865.1	845.4	842.1	855.3
50°	8625.0	6536.2	2401.3	1144.7	937.5	871.7	848.7	832.2	815.8	799.3	799.3
52.5°	8960.5	6733.6	2427.6	1125.0	914.5	832.2	802.6	796.1	779.6	763.2	756.6
55°	9263.2	6852.0	2434.2	1128.3	891.4	786.2	766.4	763.2	753.3	727.0	720.4
57.5°	9365.1	6802.6	2302.6	1098.7	878.3	756.6	730.3	736.8	723.7	700.7	697.4
60°	9355.3	6460.5	2003.3	1059.2	848.7	723.7	690.8	710.5	710.5	684.2	680.9
62.5°	8786.2	5671.1	1638.2	983.6	815.8	690.8	654.6	684.2	694.1	677.6	674.3
65°	7605.3	4618.4	1368.4	907.9	766.4	654.6	618.4	651.3	667.8	661.2	657.9
67.5°	6292.8	3532.9	1138.2	809.2	703.9	605.3	575.7	598.7	608.6	611.8	615.1
70°	4447.4	2352.0	950.7	700.7	618.4	552.6	519.7	523.0	519.7	529.6	529.6
72.5°	2417.8	1355.3	773.0	595.4	532.9	480.3	457.2	440.8	440.8	437.5	437.5
73°	2069.1	1217.1	736.8	578.9	509.9	467.1	440.8	427.6	427.6	424.3	421.1
75°	1161.2	891.4	631.6	496.7	440.8	407.9	388.2	368.4	365.1	365.1	365.1
77.5°	763.2	694.1	503.3	398.0	355.3	325.7	319.1	299.3	299.3	299.3	296.1
80°	572.4	546.1	388.2	302.6	273.0	250.0	243.4	230.3	227.0	213.8	217.1
82.5°	381.6	430.9	282.9	213.8	184.2	171.1	171.1	167.8	157.9	141.4	141.4
85°	302.6	352.0	203.9	131.6	108.6	92.1	95.4	92.1	88.8	72.4	69.1
87.5°	55.9	141.4	59.2	36.2	26.3	16.4	16.4	9.9	6.6	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)