

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: P478874

Luminaire Tested: **IFLD-S-SA6B-730-U-5NQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P478874  
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-5NQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5NQ distribution lens  
Light Source: (96) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

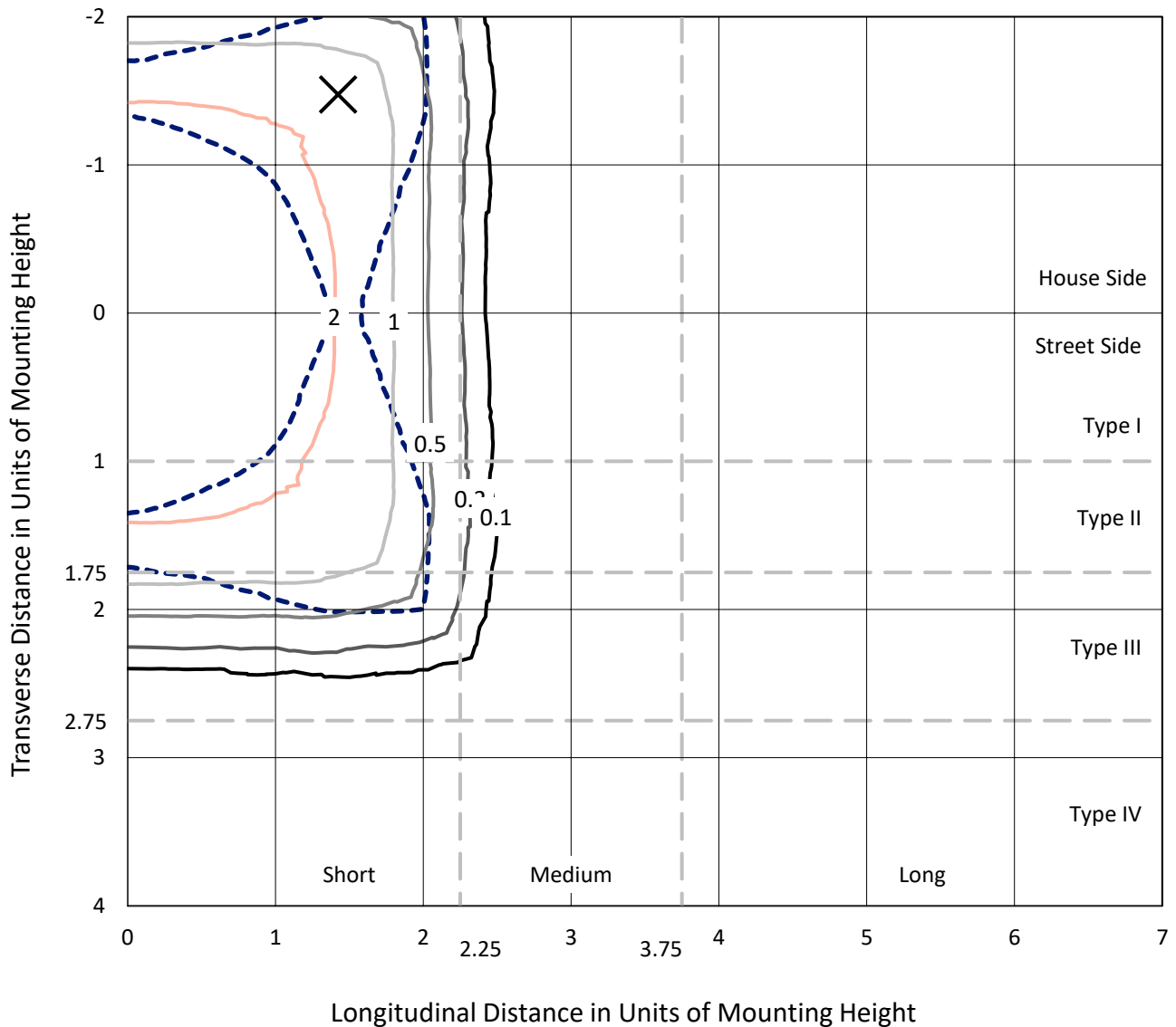
Lumens per Lamp: N/A  
Luminaire Lumens: 30315.7 lumens  
Efficiency: N/A  
Efficacy: 123.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

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: P478874  
 CATALOG NUMBER: IFLD-S-SA6B-730-U-5NQ

### Iso-Footcandle Lines of Horizontal Illumination

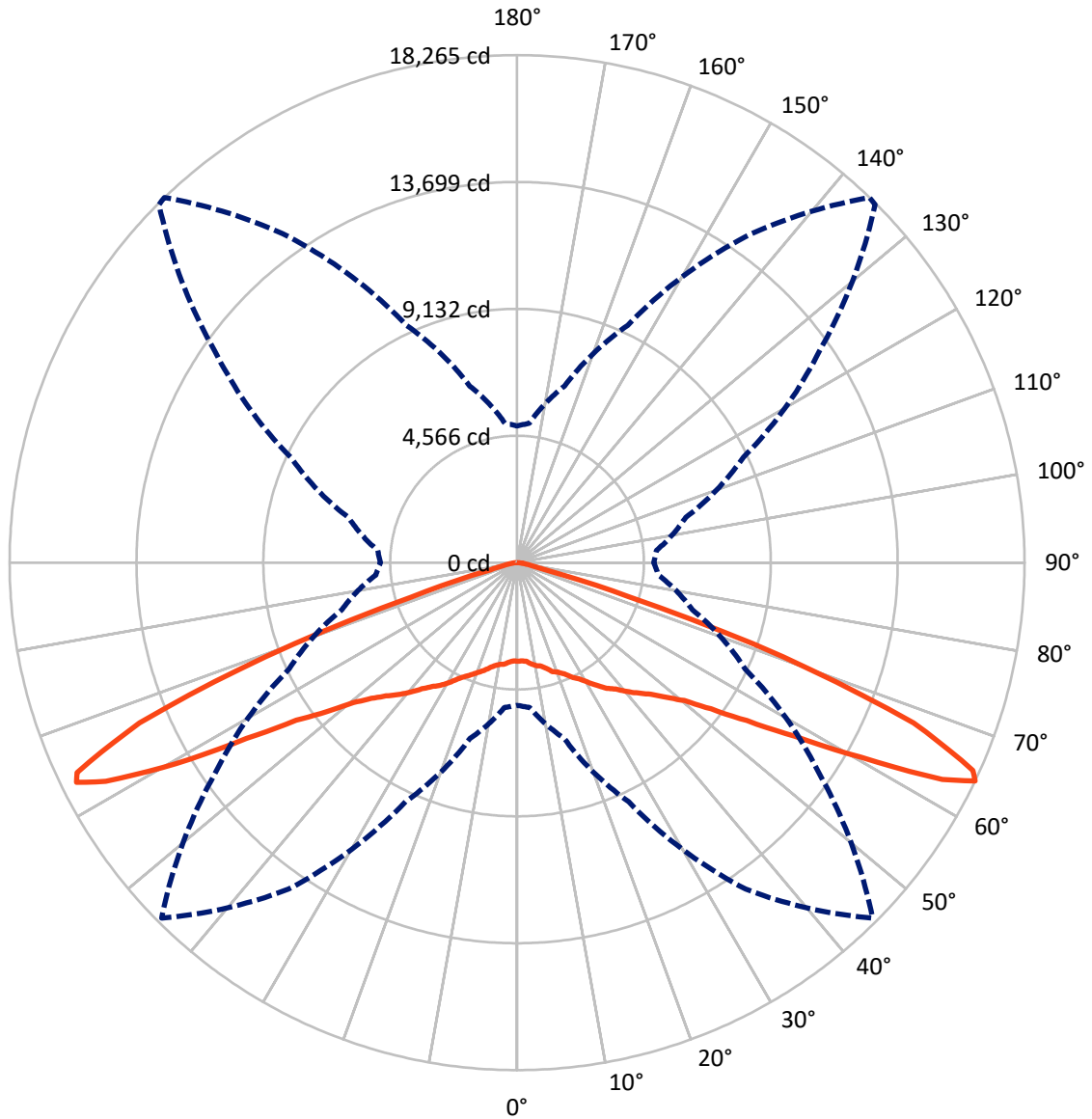
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4 fc  
 Type V - Short - N/A

REPORT NUMBER: P478874  
CATALOG NUMBER: IFLD-S-SA6B-730-U-5NQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 136-Deg Lateral      - - - Horizontal Cone Through 64-Deg Vertical

REPORT NUMBER: P478874

CATALOG NUMBER: IFLD-S-SA6B-730-U-5NQ

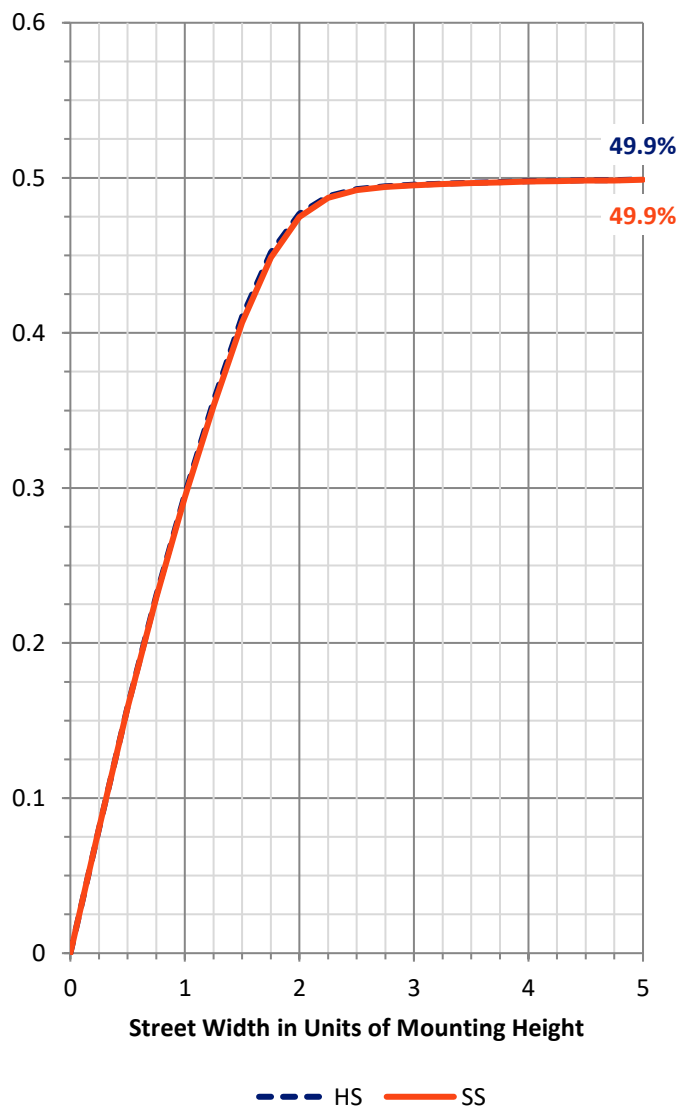
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15172.3	0.0	15172.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15143.4	0.0	15143.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	30315.7	0.0	30315.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	348.7	1.2
10°-20°	1124.0	3.7
20°-30°	2112.5	7.0
30°-40°	3483.9	11.5
40°-50°	5448.5	18.0
50°-60°	8803.5	29.0
60°-70°	7927.0	26.1
70°-80°	939.0	3.1
80°-90°	128.5	0.4
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°	30315.7	100.0
0°-180°	30315.7	100.0

**Coefficient of Utilization**



REPORT NUMBER: P478874

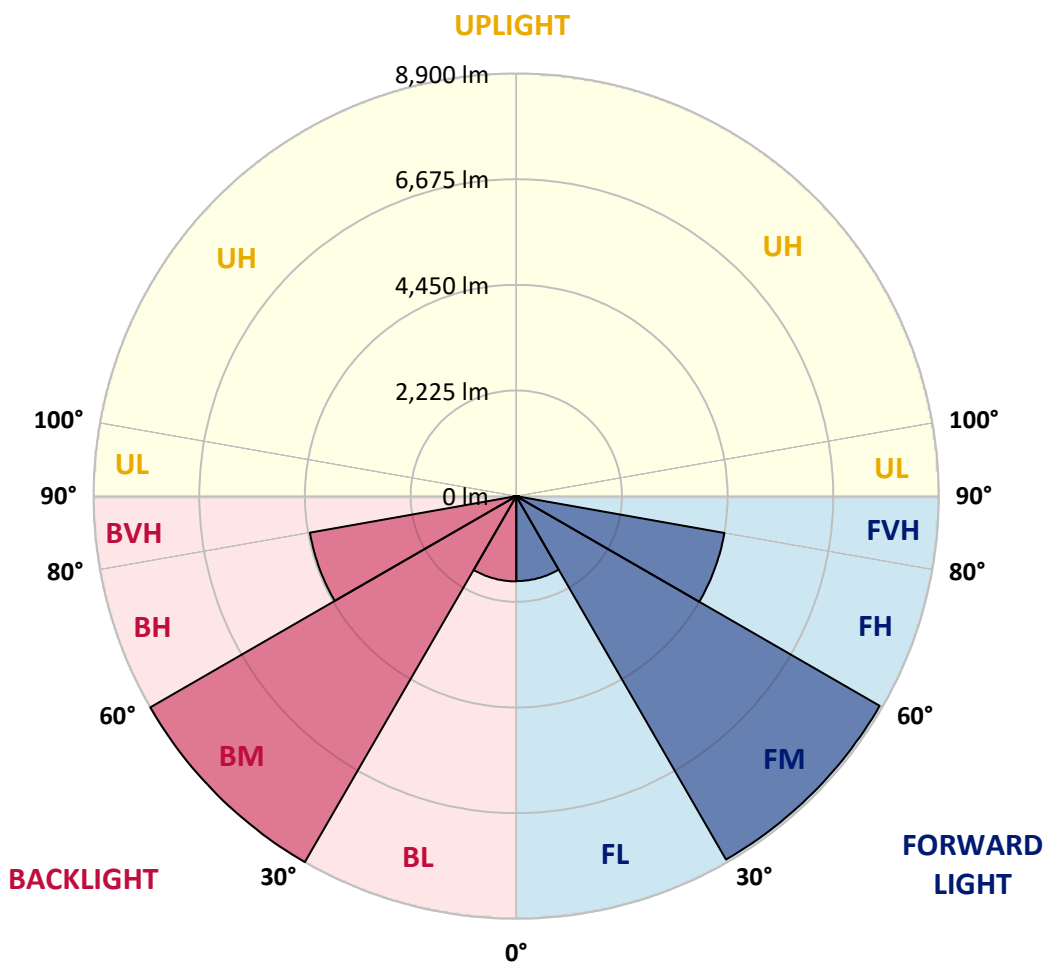
CATALOG NUMBER: IFLD-S-SA6B-730-U-5NQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1789.2	5.9			
FM (30°-60°)	8836.1	29.1			
FH (60°-80°)	4452.2	14.7			G2/5000
FVH (80°-90°)	65.9	0.2			G1/100
BL (0°-30°)	1796.1	5.9	B3/2500		
BM (30°-60°)	8899.8	29.4	B5		
BH (60°-80°)	4413.8	14.6	B4/5000		G2/5000
BVH (80°-90°)	62.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G2**

Type V Short





REPORT NUMBER: P478874  
 CATALOG NUMBER: IFLD-S-SA6B-730-U-5NQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3549.3	3549.3	3549.3	3549.3	3549.3	3549.3	3549.3	3549.3	3549.3	3549.3	3549.3
2.5°	3507.6	3514.6	3577.2	3552.8	3573.7	3535.4	3563.2	3622.3	3552.8	3605.0	3622.3
5°	3545.9	3556.3	3556.3	3580.6	3594.5	3587.6	3605.0	3580.6	3646.7	3618.9	3660.6
7.5°	3684.9	3667.5	3639.7	3660.6	3664.1	3681.4	3698.8	3730.1	3719.7	3695.4	3737.1
10°	3709.3	3695.4	3737.1	3740.5	3723.2	3709.3	3726.6	3726.6	3757.9	3764.9	3764.9
12.5°	3751.0	3764.9	3761.4	3789.2	3792.7	3782.3	3810.1	3862.2	3848.3	3858.7	3834.4
15°	3910.9	3893.5	3890.0	3917.8	3963.0	3897.0	3945.6	3942.2	3928.3	3949.1	3893.5
17.5°	4049.9	3994.3	4018.7	4063.8	4046.5	4060.4	4122.9	4067.3	4081.2	4056.9	4039.5
20°	4171.6	4126.4	4129.9	4147.3	4147.3	4189.0	4213.3	4192.5	4178.6	4175.1	4182.0
22.5°	4307.2	4255.0	4258.5	4331.5	4355.9	4342.0	4324.6	4359.3	4366.3	4338.5	4369.8
25°	4408.0	4463.6	4481.0	4515.8	4463.6	4501.9	4488.0	4554.0	4595.7	4540.1	4578.3
27.5°	4672.2	4647.9	4693.1	4689.6	4731.3	4693.1	4717.4	4738.3	4755.6	4759.1	4741.7
30°	4908.6	4919.0	4873.8	4995.5	4898.2	4960.7	5002.5	5012.9	5033.7	5033.7	4981.6
32.5°	5158.9	5138.0	5211.0	5183.2	5165.8	5214.5	5169.3	5311.8	5228.4	5277.1	5218.0
35°	5440.5	5440.5	5468.3	5544.8	5440.5	5409.2	5492.6	5551.7	5551.7	5464.8	5485.7
37.5°	5756.8	5729.0	5763.8	5861.1	5781.2	5676.9	5829.8	5854.2	5836.8	5812.4	5770.7
40°	5979.3	5972.4	6041.9	6170.5	6055.8	6034.9	6062.7	6128.8	6149.6	6174.0	6118.4
42.5°	6354.8	6386.0	6587.7	6556.4	6462.5	6389.5	6382.6	6629.4	6570.3	6507.7	6476.4
45°	6911.0	6883.2	6987.4	6990.9	6869.3	6709.3	6744.1	6970.1	7070.9	6931.8	6984.0
47.5°	7352.5	7366.4	7439.4	7588.9	7307.3	7140.4	7269.0	7634.0	7602.8	7550.6	7599.3
50°	7943.4	8006.0	8235.5	8183.3	7933.0	7727.9	8009.5	8353.6	8391.9	8200.7	8165.9
52.5°	8760.4	8857.7	8982.9	9024.6	8784.7	8711.7	8729.1	9156.7	9062.8	8878.6	8760.4
55°	9476.5	9521.7	9751.1	10095.3	10077.9	9726.8	9928.4	10088.3	9705.9	9327.0	9358.3
57.5°	9782.4	9803.3	10442.9	11131.2	11541.5	11621.4	11392.0	10853.1	9942.3	9212.3	9167.1
60°	9021.1	9219.3	9991.0	11544.9	13418.7	14343.4	12817.3	10940.0	9389.6	8503.1	8437.1
62.5°	7209.9	7220.4	8367.6	10724.5	14586.7	17009.7	13363.1	10123.1	7915.6	6911.0	6646.8
64°	5134.6	5231.9	6549.4	9493.9	14343.4	18094.4	13297.0	9055.9	6525.1	5099.8	4915.5
65°	3684.9	3820.5	5092.8	8242.4	13773.3	17965.7	13098.9	8138.1	5277.1	3893.5	3705.8
67.5°	1355.8	1411.4	1998.9	4122.9	9890.2	15309.8	10380.4	4474.1	2318.7	1651.3	1484.4
70°	629.2	632.7	740.5	1362.7	4324.6	10237.8	4953.8	1679.1	872.6	691.8	643.1
72.5°	462.4	472.8	518.0	629.2	1272.3	4335.0	1626.9	688.3	511.0	451.9	441.5
75°	375.4	382.4	396.3	455.4	587.5	1161.1	660.5	476.3	406.7	365.0	351.1
77.5°	288.5	288.5	319.8	347.6	389.4	542.3	438.0	378.9	330.3	288.5	278.1
80°	208.6	212.1	250.3	271.2	264.2	358.1	316.3	312.9	271.2	226.0	208.6
82.5°	121.7	132.1	180.8	194.7	187.7	212.1	229.4	243.3	212.1	156.4	142.5
85°	69.5	73.0	104.3	107.8	107.8	100.8	132.1	146.0	142.5	97.3	86.9
87.5°	20.9	20.9	27.8	27.8	31.3	34.8	52.1	62.6	69.5	48.7	45.2
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: P478874  
 CATALOG NUMBER: IFLD-S-SA6B-730-U-5NQ

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	136°	145°	155°	165°	175°	180°
0°	3549.3	3549.3	3549.3	3549.3	3549.3	3549.3	3549.3	3549.3	3549.3	3549.3	3549.3
2.5°	3605.0	3552.8	3556.3	3570.2	3525.0	3542.4	3594.5	3556.3	3545.9	3525.0	3514.6
5°	3587.6	3643.2	3622.3	3629.3	3618.9	3570.2	3563.2	3594.5	3611.9	3580.6	3643.2
7.5°	3709.3	3684.9	3657.1	3667.5	3643.2	3684.9	3712.7	3650.2	3681.4	3664.1	3629.3
10°	3778.8	3733.6	3754.4	3747.5	3730.1	3771.8	3744.0	3737.1	3709.3	3671.0	3726.6
12.5°	3803.1	3855.3	3890.0	3830.9	3841.4	3820.5	3803.1	3803.1	3771.8	3761.4	3771.8
15°	3910.9	3956.1	3942.2	3987.4	3928.3	3949.1	3970.0	3917.8	3945.6	3869.2	3928.3
17.5°	4109.0	4070.8	4119.5	4060.4	4081.2	4122.9	4056.9	4056.9	4077.7	4036.0	3983.9
20°	4234.2	4216.8	4199.4	4202.9	4168.1	4206.4	4185.5	4175.1	4143.8	4157.7	4185.5
22.5°	4352.4	4328.0	4335.0	4345.4	4369.8	4352.4	4342.0	4352.4	4275.9	4345.4	4248.1
25°	4498.4	4564.4	4543.6	4588.8	4519.2	4564.4	4561.0	4494.9	4536.6	4508.8	4488.0
27.5°	4741.7	4707.0	4738.3	4682.6	4731.3	4734.8	4693.1	4804.3	4755.6	4748.7	4734.8
30°	5054.6	5030.3	5009.4	4978.1	5016.4	4985.1	5019.8	5030.3	4985.1	4950.3	4884.3
32.5°	5231.9	5297.9	5322.3	5245.8	5249.3	5266.7	5235.4	5204.1	5231.9	5242.3	5231.9
35°	5482.2	5544.8	5558.7	5499.6	5468.3	5555.2	5492.6	5596.9	5506.5	5510.0	5416.1
37.5°	5774.2	5791.6	5909.8	5843.7	5815.9	5774.2	5888.9	5875.0	5895.9	5729.0	5812.4
40°	6104.5	6167.0	6233.1	6066.2	6062.7	6101.0	6094.0	6174.0	6135.7	6111.4	6052.3
42.5°	6466.0	6598.1	6608.5	6497.3	6427.8	6420.8	6455.6	6632.9	6636.3	6476.4	6406.9
45°	6945.7	7091.7	7053.5	6838.0	6761.5	6751.1	6921.4	6997.9	7063.9	7001.4	6942.3
47.5°	7543.7	7641.0	7613.2	7415.0	7168.2	7237.7	7404.6	7644.5	7574.9	7491.5	7422.0
50°	8183.3	8298.0	8238.9	8040.8	7804.4	7804.4	8009.5	8315.4	8294.6	8131.2	8068.6
52.5°	8892.5	9059.3	9194.9	8913.3	8715.2	8746.5	9069.8	9181.0	9128.9	9014.2	8962.0
55°	9420.9	9740.7	10018.8	10032.7	10043.2	10039.7	10123.1	10234.3	9862.4	9678.1	9490.4
57.5°	9292.3	9897.1	10849.7	11496.3	11687.5	11788.3	11760.5	11246.0	10366.5	9761.6	9824.1
60°	8374.5	9361.8	10898.3	12973.7	14364.2	14225.2	13717.6	11684.0	10088.3	9066.3	8937.7
62.5°	6681.5	7870.4	10081.4	13390.9	17221.8	17180.1	14524.2	10672.4	8405.8	7112.6	7032.6
64°	5033.7	6285.2	8993.3	13283.1	18223.0	18264.7	14319.1	9427.8	6577.2	5033.7	4912.1
65°	3851.8	5012.9	7926.1	13060.6	18007.4	18031.8	13748.9	8141.6	4999.0	3573.7	3441.6
67.5°	1533.1	2134.5	4300.2	9904.1	15462.8	15396.7	9810.2	3938.7	1912.0	1244.5	1220.2
70°	653.6	813.5	1508.7	4693.1	10352.5	10161.3	4223.8	1279.3	709.2	594.5	591.0
72.5°	448.4	497.1	646.6	1449.6	4303.7	4202.9	1202.8	594.5	483.2	445.0	445.0
75°	361.5	396.3	469.3	608.4	1140.2	1098.5	566.6	438.0	385.9	358.1	354.6
77.5°	281.6	316.3	368.5	420.6	521.5	518.0	378.9	330.3	299.0	278.1	271.2
80°	222.5	257.2	292.0	299.0	340.7	333.7	257.2	260.7	243.3	201.6	198.2
82.5°	153.0	208.6	232.9	212.1	201.6	201.6	184.2	184.2	170.3	125.1	114.7
85°	93.9	139.1	146.0	125.1	93.9	93.9	100.8	97.3	90.4	66.1	62.6
87.5°	48.7	66.1	59.1	48.7	31.3	31.3	27.8	20.9	20.9	17.4	17.4
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)