

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: P484262

Luminaire Tested: **IFLD-M-SA4C-722-U-SL3-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P484262  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4C-722-U-SL3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield  
Light Source: (64) 2200K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

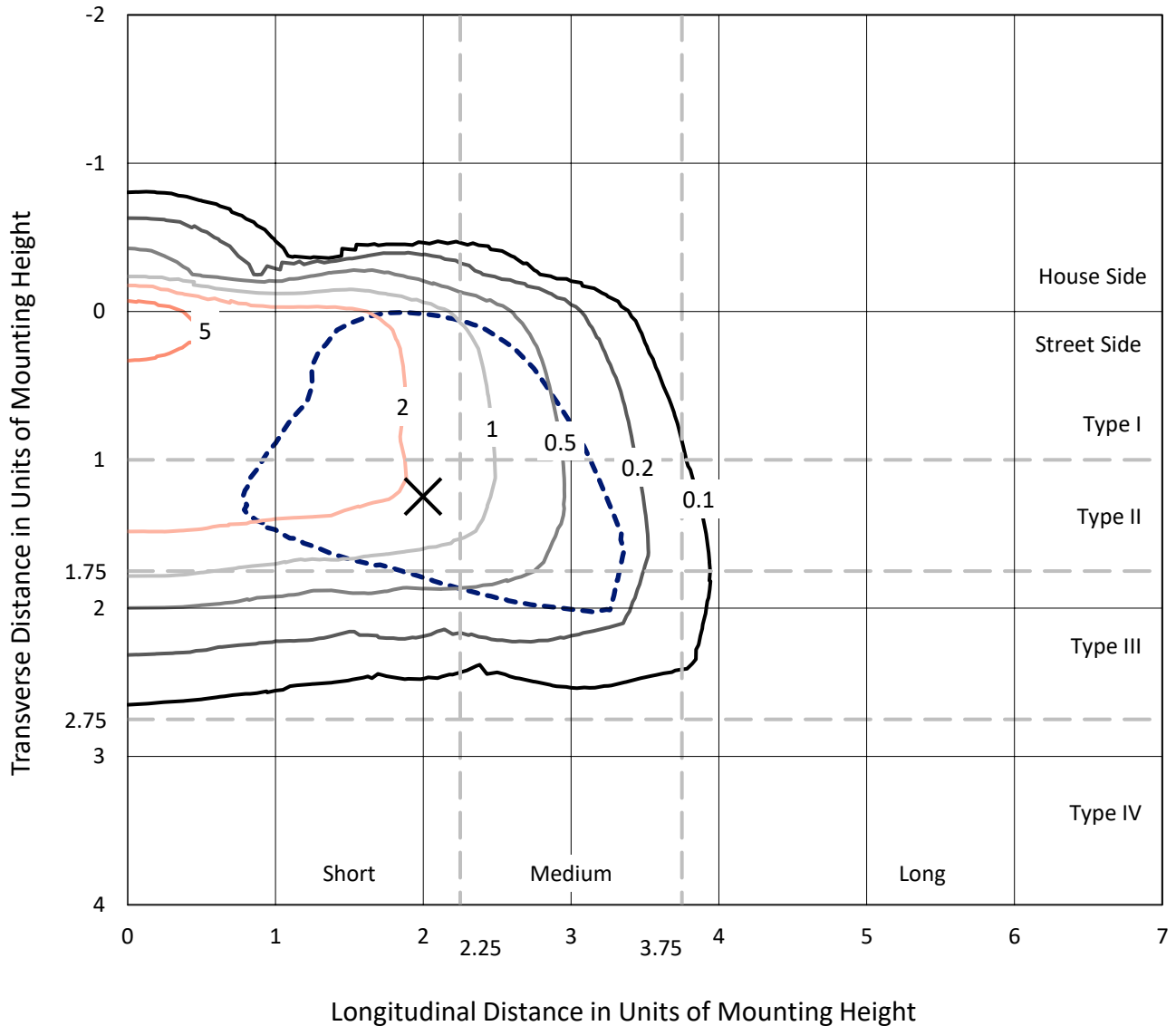
Lumens per Lamp: N/A  
Luminaire Lumens: 17514.4 lumens  
Efficiency: N/A  
Efficacy: 80.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3

Input Watts (W): 218.1  
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

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### Iso-Footcandle Lines of Horizontal Illumination

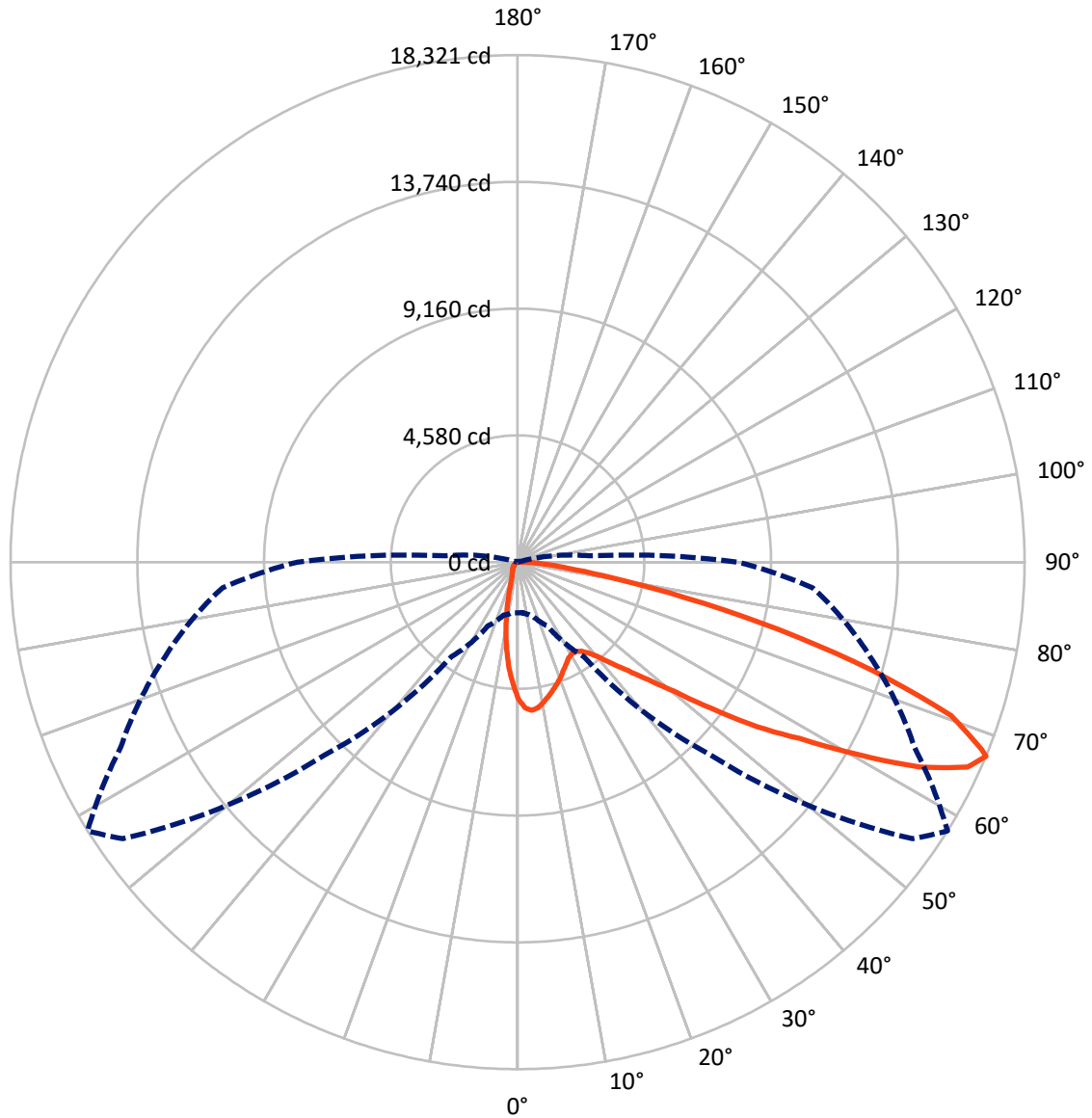
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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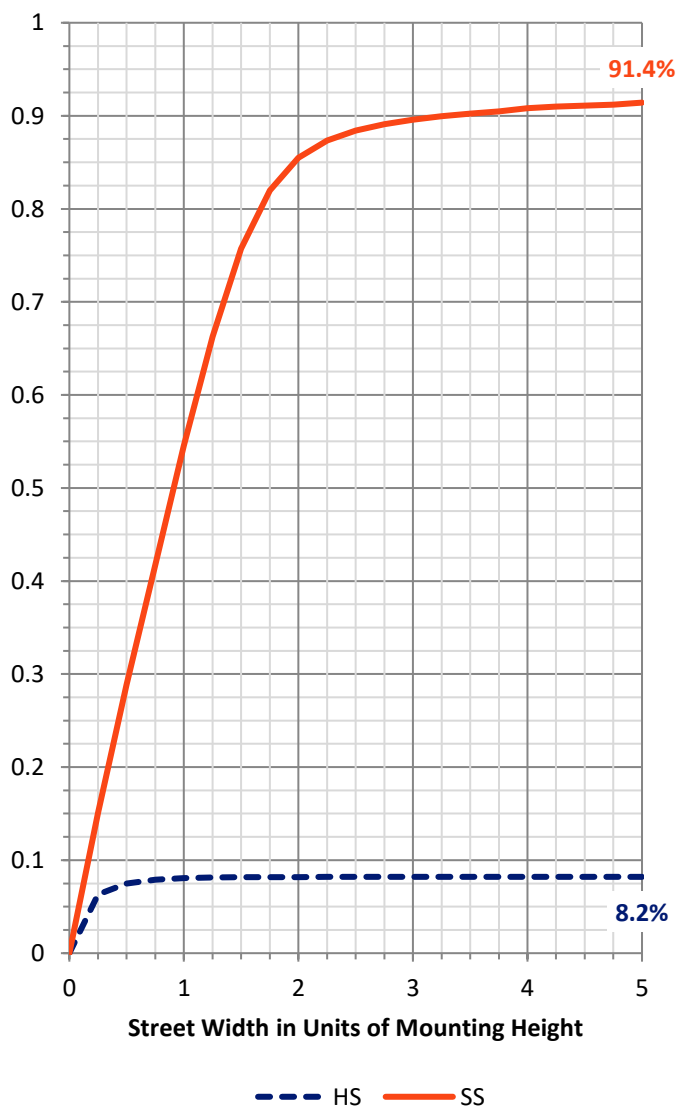
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1447.7	0.0	1447.7
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	16066.7	0.0	16066.7
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	17514.4	0.0	17514.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	393.7	2.2
10°-20°	816.6	4.7
20°-30°	1083.5	6.2
30°-40°	1501.4	8.6
40°-50°	2449.8	14.0
50°-60°	4306.0	24.6
60°-70°	4769.3	27.2
70°-80°	1976.4	11.3
80°-90°	217.6	1.2
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°	17514.4	100.0
0°-180°	17514.4	100.0

**Coefficient of Utilization**



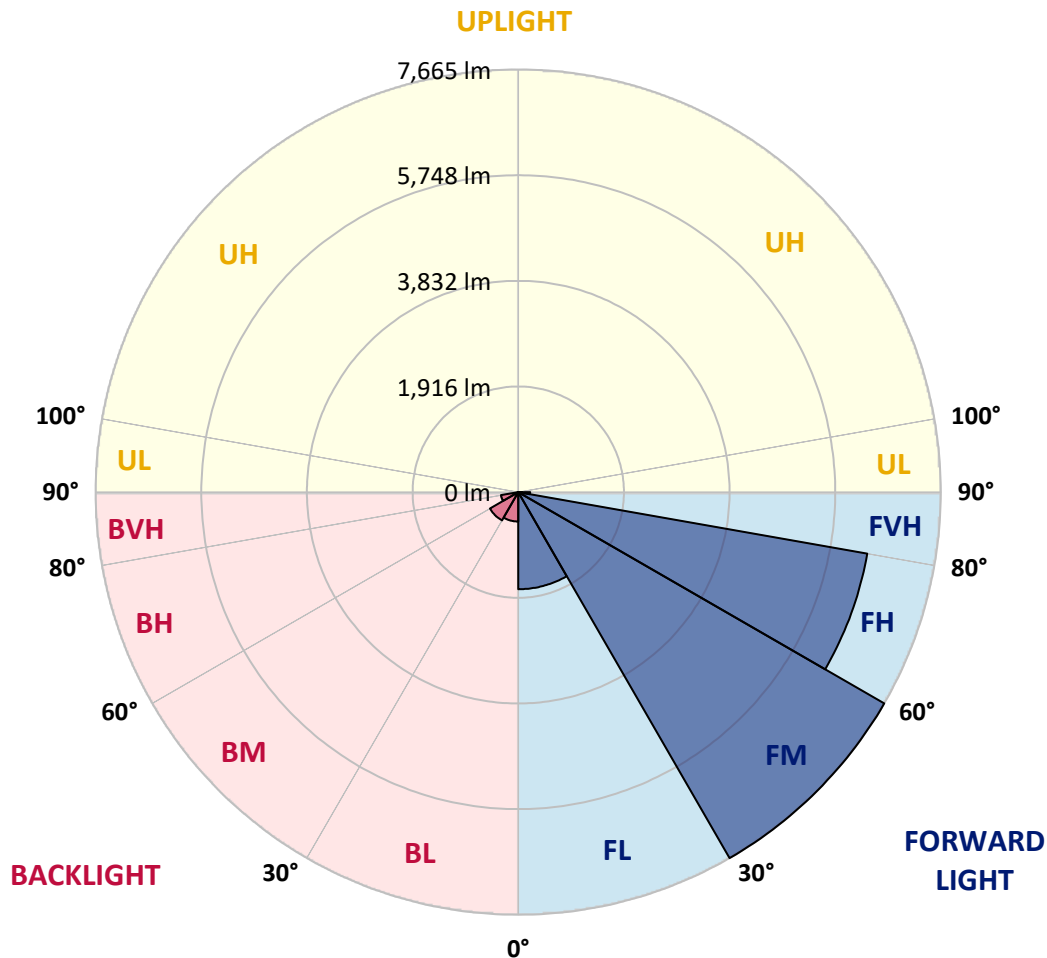
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1760.7	10.1			
FM (30°-60°)	7664.6	43.8			
FH (60°-80°)	6427.4	36.7			G3/7500
FVH (80°-90°)	214.0	1.2			G2/225
BL (0°-30°)	533.2	3.0	B2/1000		
BM (30°-60°)	592.6	3.4	B1/1000		
BH (60°-80°)	318.3	1.8	B1/500		G1/500
BVH (80°-90°)	3.6	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-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	4962.1	4962.1	4962.1	4962.1	4962.1	4962.1	4962.1	4962.1	4962.1	4962.1	4962.1
2.5°	5399.2	5417.8	5434.1	5403.8	5429.4	5392.2	5296.9	5276.0	5259.7	5117.8	5036.5
5°	5396.9	5375.9	5392.2	5406.2	5371.3	5399.2	5375.9	5378.3	5315.5	5187.6	4959.7
7.5°	5036.5	5027.2	5036.5	5103.9	5180.6	5241.1	5276.0	5310.8	5269.0	5078.3	4857.4
10°	4550.5	4597.0	4622.6	4743.5	4862.1	4973.7	5083.0	5148.1	5136.4	5059.7	4745.8
12.5°	4211.0	4197.1	4290.1	4369.1	4487.7	4713.3	4903.9	4964.4	5034.1	4927.2	4599.3
15°	3897.1	3859.9	3915.7	4052.9	4255.2	4434.2	4701.6	4792.3	4880.7	4908.6	4520.3
17.5°	3597.1	3615.7	3673.9	3797.1	3987.8	4238.9	4490.0	4620.2	4831.8	4794.6	4401.7
20°	3453.0	3492.5	3513.4	3576.2	3708.8	3959.9	4334.2	4438.9	4664.4	4792.3	4285.4
22.5°	3460.0	3460.0	3411.1	3448.3	3569.2	3764.6	4122.6	4238.9	4597.0	4671.4	4180.8
25°	3534.4	3487.9	3490.2	3446.0	3497.2	3604.1	3932.0	4073.8	4459.8	4683.0	4125.0
27.5°	3590.2	3580.9	3566.9	3555.3	3490.2	3506.5	3806.4	3922.7	4406.3	4669.1	4038.9
30°	3792.5	3750.6	3736.7	3711.1	3625.0	3546.0	3706.4	3852.9	4364.5	4701.6	3990.1
32.5°	3962.2	3969.2	3980.8	3906.4	3832.0	3636.7	3734.3	3850.6	4334.2	4776.0	4038.9
35°	4176.1	4206.4	4211.0	4187.7	4108.7	3915.7	3850.6	3950.6	4385.4	4908.6	4043.6
37.5°	4501.7	4469.1	4557.5	4566.8	4511.0	4255.2	4120.3	4159.8	4536.5	5120.2	4220.3
40°	4713.3	4752.8	4917.9	5020.2	4924.8	4692.3	4511.0	4504.0	4755.1	5452.7	4438.9
42.5°	4948.1	5036.5	5217.8	5438.7	5427.1	5210.9	5027.2	4996.9	5143.4	5934.0	4785.3
45°	5269.0	5348.0	5601.5	5934.0	6115.4	5931.7	5655.0	5594.5	5615.4	6589.7	5375.9
47.5°	5801.5	5780.5	6145.6	6473.5	6771.1	6629.2	6510.7	6333.9	6317.7	7361.7	6192.1
50°	6403.7	6399.0	6724.6	7096.6	7440.8	7717.5	7519.8	7326.8	7331.5	8410.4	7152.4
52.5°	6975.7	7066.4	7417.5	7787.2	8377.8	8675.5	8866.1	8789.4	8419.7	9347.4	8180.2
55°	7278.0	7357.0	7705.8	8342.9	9275.4	10040.4	10556.6	10491.5	9777.6	10403.1	9194.0
57.5°	6992.0	7045.5	7517.5	8352.2	9903.2	11609.9	12105.2	12023.8	11182.1	11210.0	10419.4
60°	5794.5	5878.2	6580.4	7559.3	9659.0	12819.0	14237.4	14114.2	12460.9	12230.7	11207.6
62.5°	4013.4	4069.2	4645.8	5864.2	8501.1	13239.9	16251.1	16318.5	13809.6	13026.0	11442.5
65°	2599.6	2595.0	2925.1	3750.6	6024.7	11965.7	17441.6	17860.1	15111.7	13146.9	11370.4
67°	1836.9	1830.0	1985.8	2543.8	4171.5	9859.0	17420.7	18320.5	15818.6	13181.8	10703.1
67.5°	1695.1	1688.1	1836.9	2339.2	3764.6	9168.4	17160.2	18083.4	16067.4	13132.9	10410.1
70°	1316.1	1297.5	1353.3	1611.4	2192.7	5929.4	14686.2	16611.5	15551.2	11914.5	8312.7
72.5°	951.0	971.9	1060.3	1323.1	1720.7	3190.2	11193.7	13432.9	12988.8	8980.1	5282.9
75°	662.7	681.3	823.1	1078.9	1578.8	1934.6	7568.6	9742.7	9047.5	4957.4	2250.8
77.5°	346.5	369.7	525.5	862.7	1434.7	1497.5	4522.6	6178.2	4794.6	1764.9	620.8
80°	160.4	172.1	262.8	611.5	1199.8	1316.1	2636.8	3436.7	1918.3	395.3	213.9
82.5°	69.8	76.7	120.9	351.1	851.0	1151.0	1632.3	1802.1	695.2	127.9	132.5
85°	14.0	16.3	46.5	186.0	411.6	697.6	1146.3	1069.6	348.8	62.8	104.6
87.5°	0.0	0.0	11.6	53.5	111.6	206.9	486.0	486.0	107.0	32.6	39.5
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4962.1	4962.1	4962.1	4962.1	4962.1	4962.1	4962.1	4962.1	4962.1	4962.1	4962.1
2.5°	4964.4	4880.7	4697.0	4527.2	4406.3	4269.1	4087.8	4006.4	3976.2	3934.3	3871.5
5°	4834.2	4731.9	4417.9	4101.7	3755.3	3492.5	3213.5	3050.7	2927.5	2850.7	2825.2
7.5°	4650.5	4441.2	4018.0	3511.1	3062.3	2671.7	2248.5	1962.5	1778.8	1704.4	1634.6
10°	4504.0	4231.9	3587.8	2957.7	2360.1	1788.1	1311.4	1060.3	869.6	797.6	788.3
12.5°	4313.3	3987.8	3185.6	2392.7	1641.6	1065.0	725.5	630.1	576.7	567.4	560.4
15°	4155.2	3766.9	2804.2	1853.2	1062.6	665.0	565.0	541.8	527.8	523.2	525.5
17.5°	4048.2	3529.7	2413.6	1348.6	699.9	544.1	520.9	506.9	499.9	497.6	490.6
20°	3836.6	3329.7	2027.6	944.0	546.4	502.3	483.6	472.0	465.0	462.7	460.4
22.5°	3715.7	3076.3	1641.6	658.0	486.0	455.7	441.8	432.5	420.9	413.9	411.6
25°	3594.8	2890.3	1297.5	511.6	441.8	420.9	399.9	388.3	369.7	360.4	358.1
27.5°	3453.0	2706.6	999.9	444.1	397.6	376.7	355.8	337.2	313.9	304.6	300.0
30°	3371.6	2527.5	753.4	397.6	365.1	337.2	311.6	288.3	262.8	246.5	241.8
32.5°	3329.7	2364.8	565.0	362.7	330.2	300.0	267.4	239.5	216.2	202.3	200.0
35°	3278.6	2206.6	444.1	330.2	297.6	265.1	232.5	204.6	181.4	169.7	165.1
37.5°	3332.1	2113.6	369.7	304.6	272.1	234.8	200.0	172.1	153.5	141.8	139.5
40°	3478.6	2036.9	320.9	281.4	246.5	206.9	174.4	146.5	130.2	120.9	116.3
42.5°	3704.1	2036.9	290.7	258.1	223.2	181.4	148.8	127.9	111.6	102.3	100.0
45°	4113.3	2099.7	265.1	234.8	195.3	155.8	127.9	107.0	90.7	81.4	79.1
47.5°	4687.7	2243.9	244.1	213.9	174.4	137.2	111.6	90.7	74.4	65.1	62.8
50°	5459.7	2571.7	223.2	188.3	155.8	118.6	93.0	72.1	58.1	48.8	46.5
52.5°	6422.3	3036.8	202.3	174.4	132.5	100.0	74.4	58.1	44.2	37.2	34.9
55°	7440.8	3606.4	176.7	155.8	113.9	83.7	60.5	44.2	32.6	27.9	25.6
57.5°	8466.2	4045.9	155.8	134.9	93.0	67.4	48.8	34.9	23.3	18.6	16.3
60°	9010.3	4087.8	134.9	111.6	74.4	53.5	37.2	25.6	16.3	11.6	9.3
62.5°	9094.0	3715.7	116.3	90.7	60.5	41.9	25.6	18.6	9.3	4.7	4.7
65°	8663.8	3097.2	100.0	72.1	46.5	30.2	18.6	11.6	4.7	2.3	0.0
67°	7966.3	2595.0	86.0	60.5	37.2	23.3	14.0	7.0	2.3	0.0	0.0
67.5°	7696.5	2455.4	81.4	55.8	34.9	20.9	11.6	7.0	2.3	0.0	0.0
70°	5973.5	1753.2	60.5	39.5	25.6	16.3	9.3	4.7	0.0	0.0	0.0
72.5°	3659.9	1025.4	46.5	27.9	18.6	11.6	7.0	2.3	0.0	0.0	0.0
75°	1534.7	353.4	39.5	20.9	14.0	7.0	4.7	2.3	0.0	0.0	0.0
77.5°	399.9	132.5	27.9	14.0	9.3	7.0	4.7	2.3	0.0	0.0	0.0
80°	162.8	60.5	18.6	9.3	9.3	7.0	4.7	2.3	0.0	0.0	0.0
82.5°	107.0	27.9	11.6	9.3	7.0	4.7	2.3	0.0	0.0	0.0	0.0
85°	81.4	16.3	7.0	7.0	4.7	2.3	0.0	0.0	0.0	0.0	0.0
87.5°	34.9	9.3	7.0	4.7	4.7	0.0	0.0	0.0	0.0	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)