

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: P484267

Luminaire Tested: **IFLD-L-SA7C-722-U-SL3-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P484267  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7C-722-U-SL3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield  
Light Source: (112) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

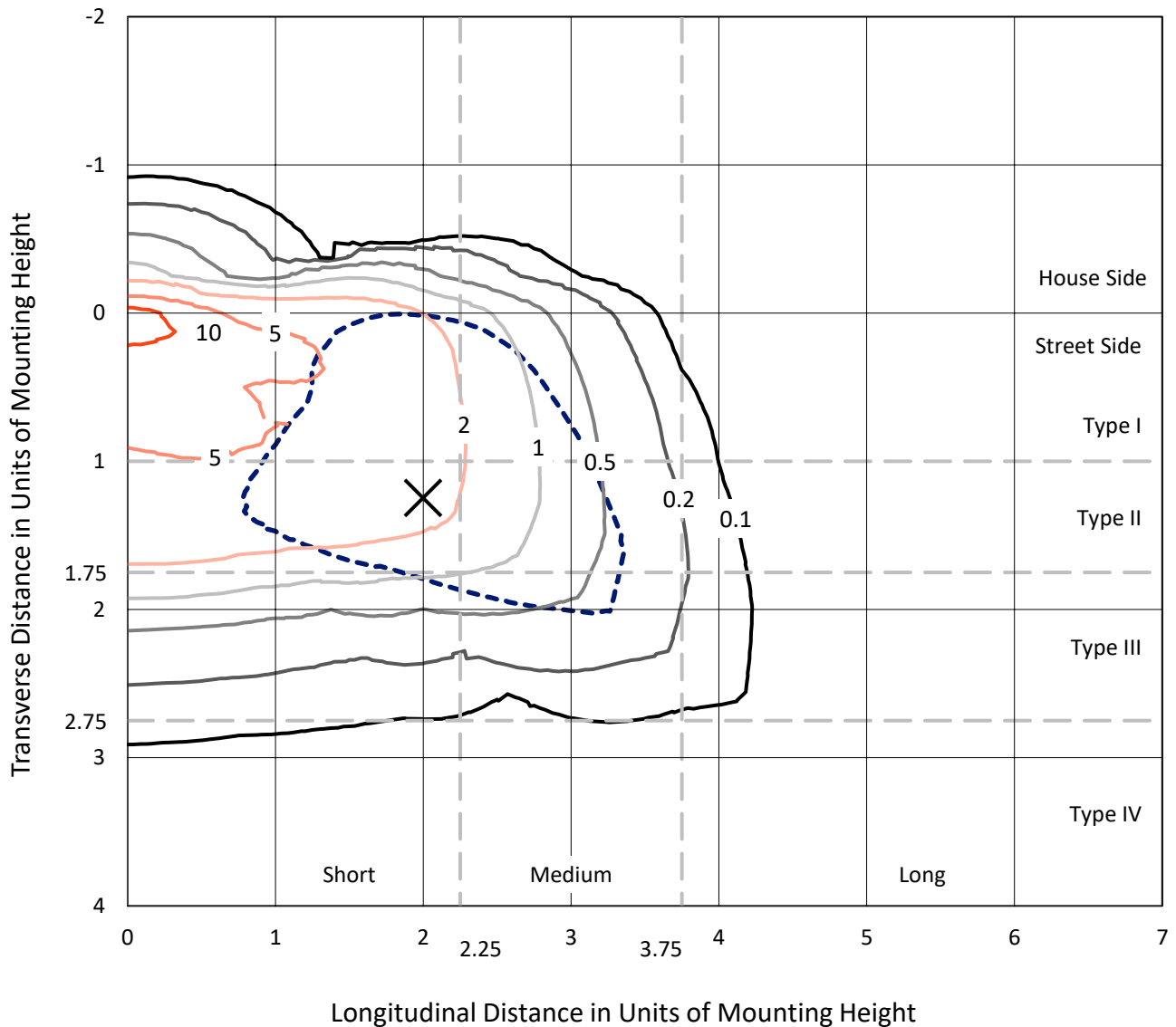
Lumens per Lamp: N/A  
Luminaire Lumens: 27308.5 lumens  
Efficiency: N/A  
Efficacy: 74.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 369  
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

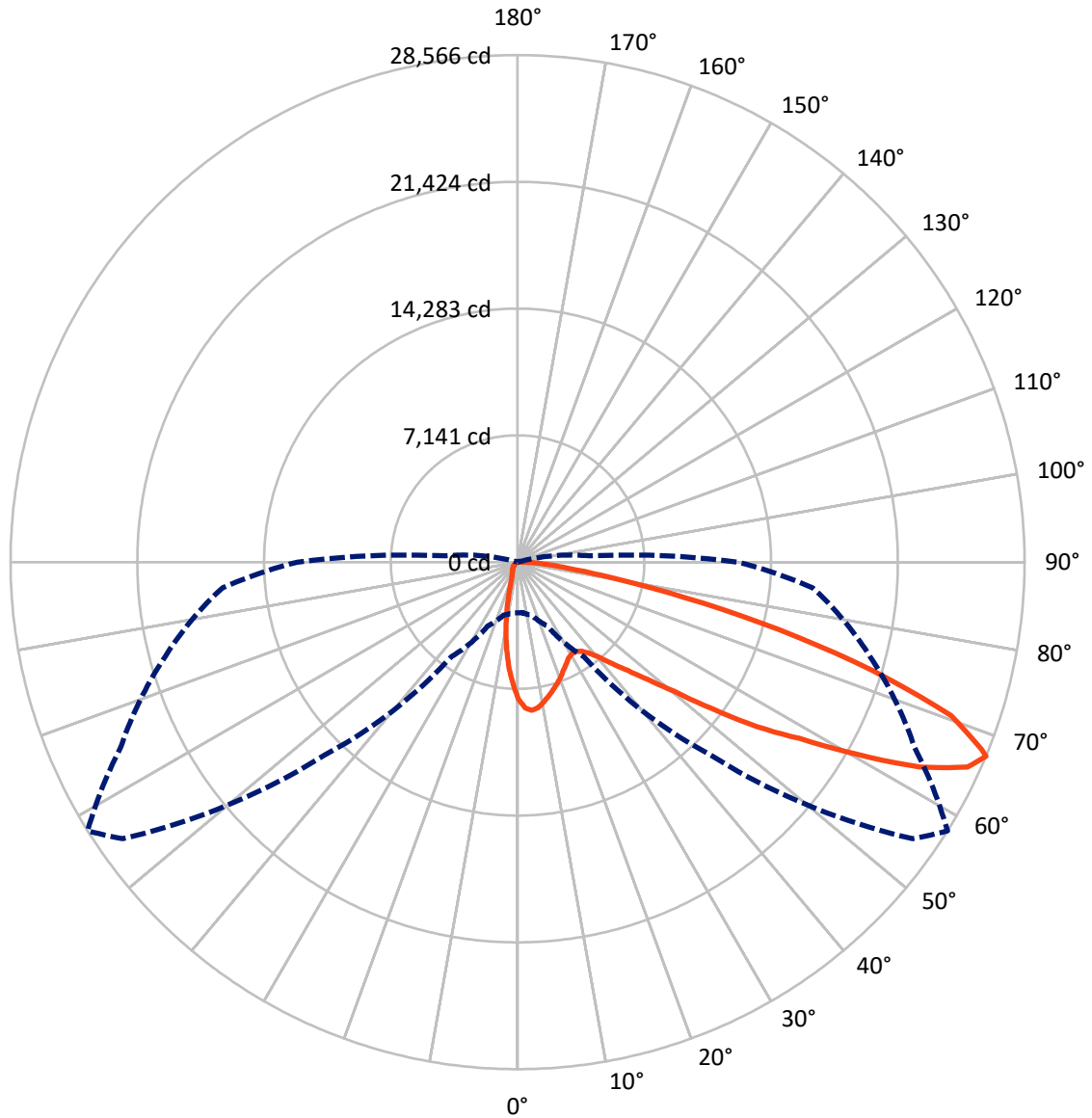
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 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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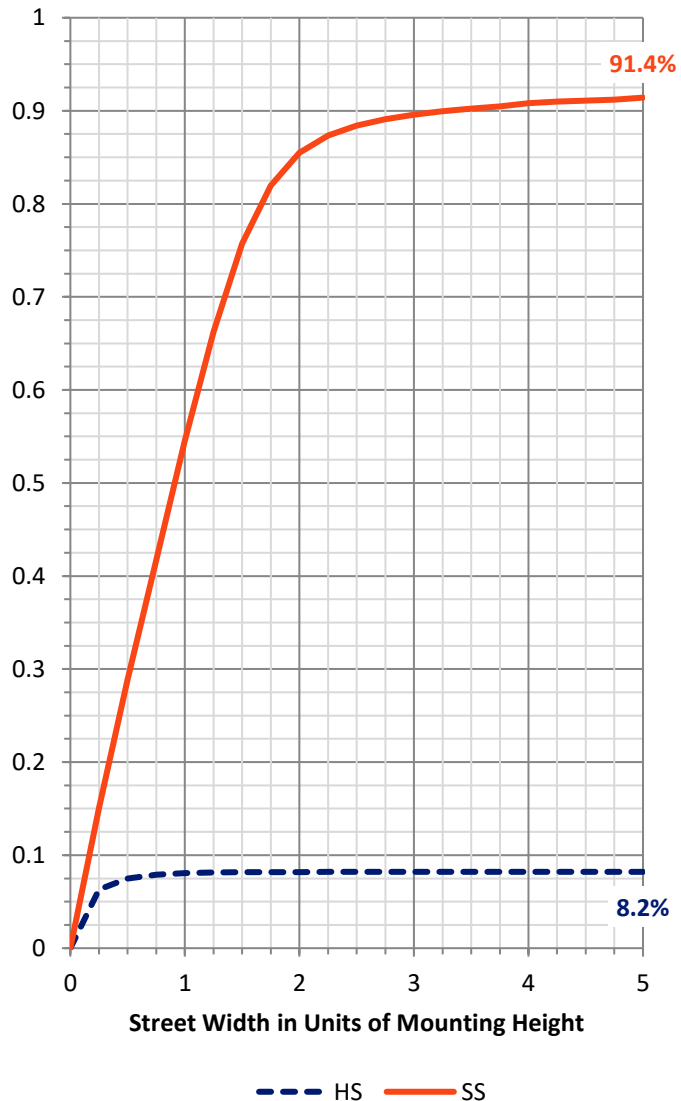
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2257.2	0.0	2257.2
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	25051.2	0.0	25051.2
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	27308.5	0.0	27308.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	613.9	2.2
10°-20°	1273.3	4.7
20°-30°	1689.4	6.2
30°-40°	2341.0	8.6
40°-50°	3819.8	14.0
50°-60°	6714.0	24.6
60°-70°	7436.3	27.2
70°-80°	3081.6	11.3
80°-90°	339.2	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°	27308.5	100.0
0°-180°	27308.5	100.0

**Coefficient of Utilization**



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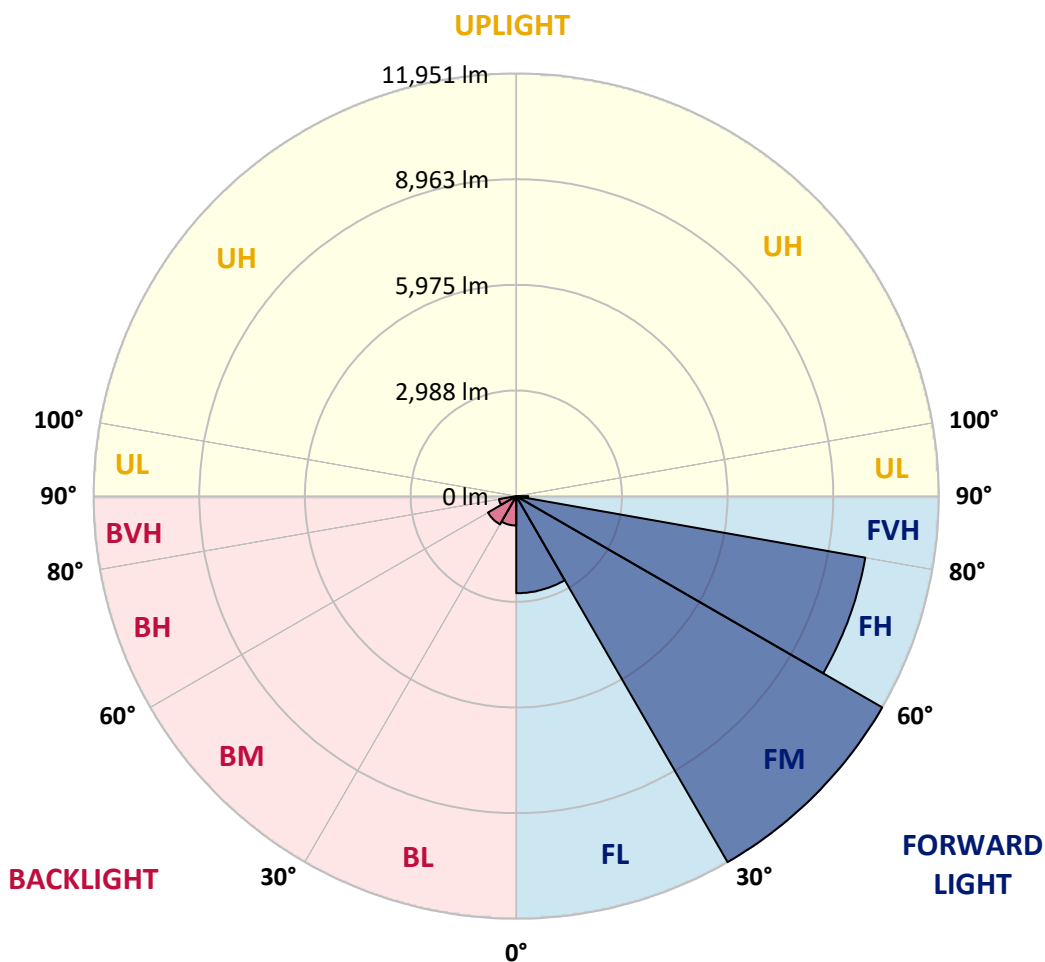
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2745.3	10.1			
FM (30°-60°)	11950.7	43.8			
FH (60°-80°)	10021.6	36.7			G4/12000
FVH (80°-90°)	333.6	1.2			G3/500
BL (0°-30°)	831.3	3.0	B2/1000		
BM (30°-60°)	924.0	3.4	B1/1000		
BH (60°-80°)	496.3	1.8	B1/500		G1/500
BVH (80°-90°)	5.6	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-G4**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	7736.9	7736.9	7736.9	7736.9	7736.9	7736.9	7736.9	7736.9	7736.9	7736.9	7736.9
2.5°	8418.5	8447.5	8472.8	8425.7	8465.6	8407.6	8258.9	8226.3	8200.9	7979.8	7852.9
5°	8414.8	8382.2	8407.6	8429.3	8375.0	8418.5	8382.2	8385.8	8287.9	8088.5	7733.2
7.5°	7852.9	7838.4	7852.9	7958.0	8077.7	8171.9	8226.3	8280.7	8215.4	7918.1	7573.7
10°	7095.1	7167.7	7207.5	7396.1	7581.0	7755.0	7925.4	8026.9	8008.8	7889.1	7399.7
12.5°	6565.8	6544.1	6689.1	6812.4	6997.3	7348.9	7646.2	7740.5	7849.3	7682.5	7171.3
15°	6076.4	6018.4	6105.4	6319.3	6634.7	6913.9	7330.8	7472.2	7610.0	7653.5	7048.0
17.5°	5608.7	5637.7	5728.3	5920.5	6217.8	6609.3	7000.9	7203.9	7533.8	7475.8	6863.1
20°	5383.9	5445.5	5478.2	5576.1	5782.7	6174.3	6758.0	6921.1	7272.8	7472.2	6681.8
22.5°	5394.8	5394.8	5318.6	5376.6	5565.2	5869.7	6428.1	6609.3	7167.7	7283.7	6518.7
25°	5510.8	5438.3	5441.9	5373.0	5452.8	5619.6	6130.8	6351.9	6953.8	7301.8	6431.7
27.5°	5597.8	5583.3	5561.6	5543.4	5441.9	5467.3	5935.0	6116.3	6870.4	7280.0	6297.5
30°	5913.2	5848.0	5826.2	5786.3	5652.2	5528.9	5779.1	6007.5	6805.1	7330.8	6221.4
32.5°	6177.9	6188.8	6206.9	6090.9	5974.9	5670.3	5822.6	6003.9	6758.0	7446.8	6297.5
35°	6511.4	6558.6	6565.8	6529.6	6406.3	6105.4	6003.9	6159.8	6837.7	7653.5	6304.8
37.5°	7019.0	6968.3	7106.0	7120.5	7033.5	6634.7	6424.4	6486.1	7073.4	7983.4	6580.3
40°	7348.9	7410.6	7668.0	7827.5	7678.9	7316.3	7033.5	7022.6	7414.2	8501.8	6921.1
42.5°	7715.1	7852.9	8135.7	8480.1	8462.0	8124.8	7838.4	7791.2	8019.7	9252.3	7461.3
45°	8215.4	8338.7	8733.9	9252.3	9535.1	9248.7	8817.3	8723.0	8755.6	10274.7	8382.2
47.5°	9045.7	9013.0	9582.3	10093.5	10557.5	10336.4	10151.5	9875.9	9850.5	11478.4	9654.8
50°	9984.7	9977.4	10485.0	11065.1	11601.7	12033.1	11724.9	11424.0	11431.3	13113.5	11152.1
52.5°	10876.6	11018.0	11565.4	12141.9	13062.8	13526.8	13824.1	13704.5	13128.0	14574.6	12754.6
55°	11347.9	11471.2	12015.0	13008.4	14462.2	15655.0	16459.9	16358.4	15245.3	16220.6	14335.3
57.5°	10901.9	10985.3	11721.3	13022.9	15441.1	18102.2	18874.5	18747.6	17435.1	17478.6	16246.0
60°	9034.8	9165.3	10260.2	11786.6	15060.4	19987.5	22199.1	22006.9	19429.2	19070.2	17475.0
62.5°	6257.7	6344.7	7243.8	9143.6	13254.9	20643.7	25338.8	25443.9	21532.0	20310.2	17841.2
65°	4053.3	4046.1	4560.9	5848.0	9393.7	18656.9	27195.0	27847.6	23562.3	20498.7	17728.8
67°	2864.2	2853.3	3096.2	3966.3	6504.2	15372.2	27162.4	28565.5	24664.4	20553.1	16688.3
67.5°	2643.0	2632.1	2864.2	3647.3	5869.7	14295.4	26756.4	28195.7	25052.4	20476.9	16231.5
70°	2052.0	2023.0	2110.1	2512.5	3418.9	9245.1	22898.8	25900.7	24247.5	18577.2	12961.2
72.5°	1482.8	1515.5	1653.2	2062.9	2682.9	4974.2	17453.3	20944.6	20252.2	14001.8	8237.2
75°	1033.3	1062.3	1283.4	1682.2	2461.7	3016.4	11801.1	15190.9	14106.9	7729.6	3509.5
77.5°	540.2	576.5	819.4	1345.1	2236.9	2334.8	7051.6	9633.0	7475.8	2751.8	968.0
80°	250.2	268.3	409.7	953.5	1870.8	2052.0	4111.3	5358.5	2991.1	616.3	333.5
82.5°	108.8	119.6	188.5	547.5	1326.9	1794.6	2545.1	2809.8	1084.0	199.4	206.7
85°	21.8	25.4	72.5	290.0	641.7	1087.7	1787.4	1667.7	543.8	97.9	163.1
87.5°	0.0	0.0	18.1	83.4	174.0	322.7	757.7	757.7	166.8	50.8	61.6
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°	7736.9	7736.9	7736.9	7736.9	7736.9	7736.9	7736.9	7736.9	7736.9	7736.9	7736.9
2.5°	7740.5	7610.0	7323.6	7058.9	6870.4	6656.5	6373.7	6246.8	6199.6	6134.4	6036.5
5°	7537.5	7377.9	6888.5	6395.4	5855.2	5445.5	5010.5	4756.7	4564.5	4444.9	4405.0
7.5°	7251.0	6924.7	6264.9	5474.5	4774.8	4165.7	3505.9	3059.9	2773.5	2657.5	2548.7
10°	7022.6	6598.4	5594.2	4611.7	3679.9	2788.0	2044.8	1653.2	1355.9	1243.6	1229.1
12.5°	6725.3	6217.8	4967.0	3730.7	2559.6	1660.5	1131.2	982.5	899.1	884.6	873.8
15°	6478.8	5873.3	4372.4	2889.5	1656.9	1036.9	881.0	844.7	823.0	815.7	819.4
17.5°	6312.0	5503.5	3763.3	2102.8	1091.3	848.4	812.1	790.4	779.5	775.9	765.0
20°	5982.1	5191.7	3161.5	1472.0	852.0	783.1	754.1	736.0	725.1	721.5	717.9
22.5°	5793.6	4796.6	2559.6	1026.0	757.7	710.6	688.8	674.3	656.2	645.3	641.7
25°	5605.1	4506.5	2023.0	797.6	688.8	656.2	623.6	605.5	576.5	562.0	558.3
27.5°	5383.9	4220.1	1559.0	692.5	620.0	587.3	554.7	525.7	489.4	474.9	467.7
30°	5257.0	3940.9	1174.7	620.0	569.2	525.7	485.8	449.6	409.7	384.3	377.1
32.5°	5191.7	3687.2	881.0	565.6	514.8	467.7	416.9	373.4	337.2	315.4	311.8
35°	5112.0	3440.6	692.5	514.8	464.1	413.3	362.6	319.0	282.8	264.7	257.4
37.5°	5195.4	3295.6	576.5	474.9	424.2	366.2	311.8	268.3	239.3	221.2	217.5
40°	5423.8	3176.0	500.3	438.7	384.3	322.7	271.9	228.4	203.0	188.5	181.3
42.5°	5775.5	3176.0	453.2	402.4	348.1	282.8	232.0	199.4	174.0	159.5	155.9
45°	6413.5	3273.8	413.3	366.2	304.5	242.9	199.4	166.8	141.4	126.9	123.3
47.5°	7309.1	3498.6	380.7	333.5	271.9	213.9	174.0	141.4	116.0	101.5	97.9
50°	8512.7	4009.8	348.1	293.7	242.9	184.9	145.0	112.4	90.6	76.1	72.5
52.5°	10013.7	4734.9	315.4	271.9	206.7	155.9	116.0	90.6	68.9	58.0	54.4
55°	11601.7	5623.2	275.5	242.9	177.7	130.5	94.3	68.9	50.8	43.5	39.9
57.5°	13200.5	6308.4	242.9	210.3	145.0	105.1	76.1	54.4	36.3	29.0	25.4
60°	14048.9	6373.7	210.3	174.0	116.0	83.4	58.0	39.9	25.4	18.1	14.5
62.5°	14179.4	5793.6	181.3	141.4	94.3	65.3	39.9	29.0	14.5	7.3	7.3
65°	13508.7	4829.2	155.9	112.4	72.5	47.1	29.0	18.1	7.3	3.6	0.0
67°	12421.0	4046.1	134.1	94.3	58.0	36.3	21.8	10.9	3.6	0.0	0.0
67.5°	12000.5	3828.6	126.9	87.0	54.4	32.6	18.1	10.9	3.6	0.0	0.0
70°	9314.0	2733.6	94.3	61.6	39.9	25.4	14.5	7.3	0.0	0.0	0.0
72.5°	5706.6	1598.9	72.5	43.5	29.0	18.1	10.9	3.6	0.0	0.0	0.0
75°	2392.8	551.1	61.6	32.6	21.8	10.9	7.3	3.6	0.0	0.0	0.0
77.5°	623.6	206.7	43.5	21.8	14.5	10.9	7.3	3.6	0.0	0.0	0.0
80°	253.8	94.3	29.0	14.5	14.5	10.9	7.3	3.6	0.0	0.0	0.0
82.5°	166.8	43.5	18.1	14.5	10.9	7.3	3.6	0.0	0.0	0.0	0.0
85°	126.9	25.4	10.9	10.9	7.3	3.6	0.0	0.0	0.0	0.0	0.0
87.5°	54.4	14.5	10.9	7.3	7.3	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)