

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: P484657

Luminaire Tested: **IFLD-L-SA7C-722-U-SL4-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P484657  
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-SL4-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL4 distribution lens with House Side Shield  
Light Source: (112) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

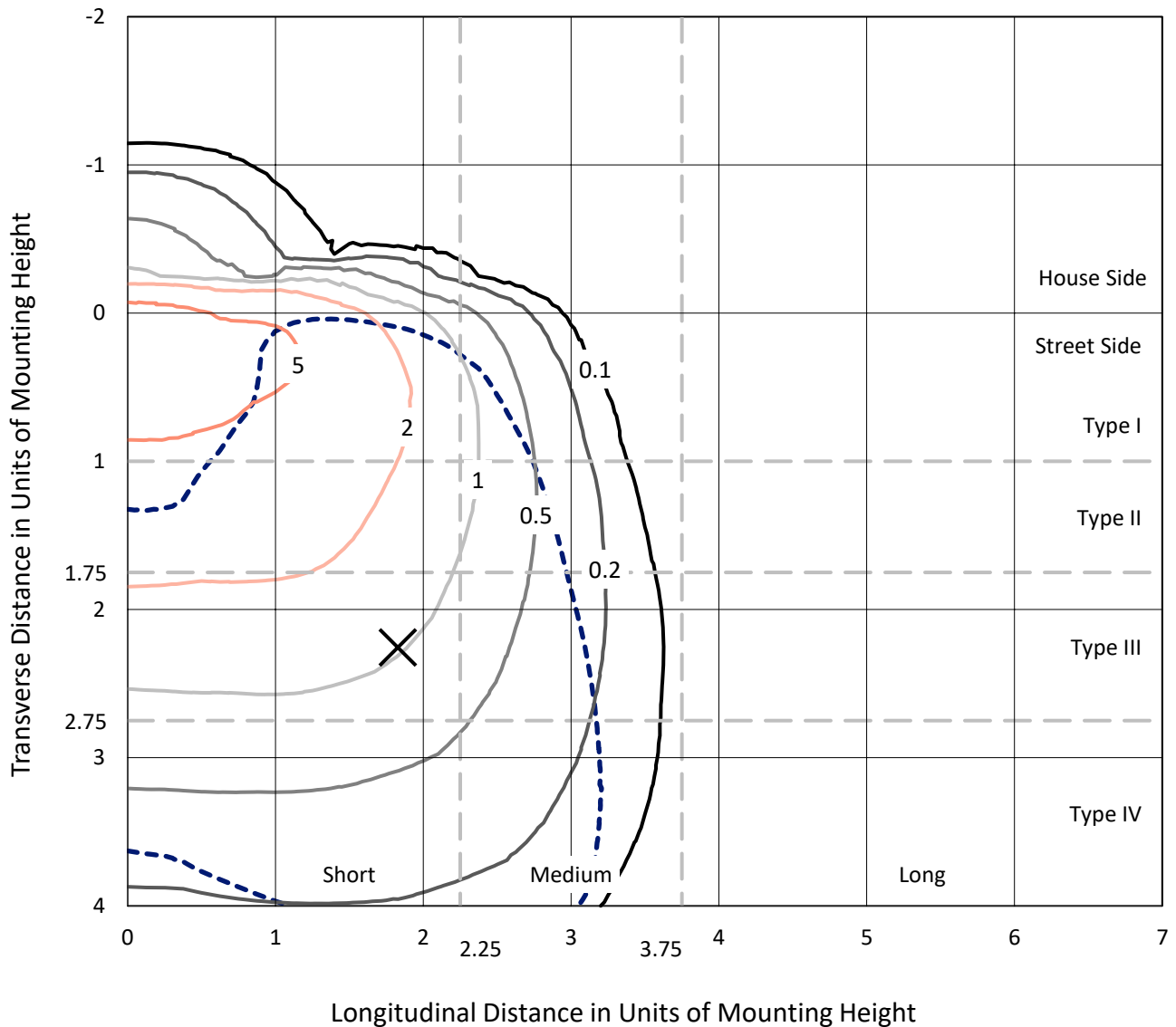
Lumens per Lamp: N/A  
Luminaire Lumens: 26976.1 lumens  
Efficiency: N/A  
Efficacy: 73.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

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

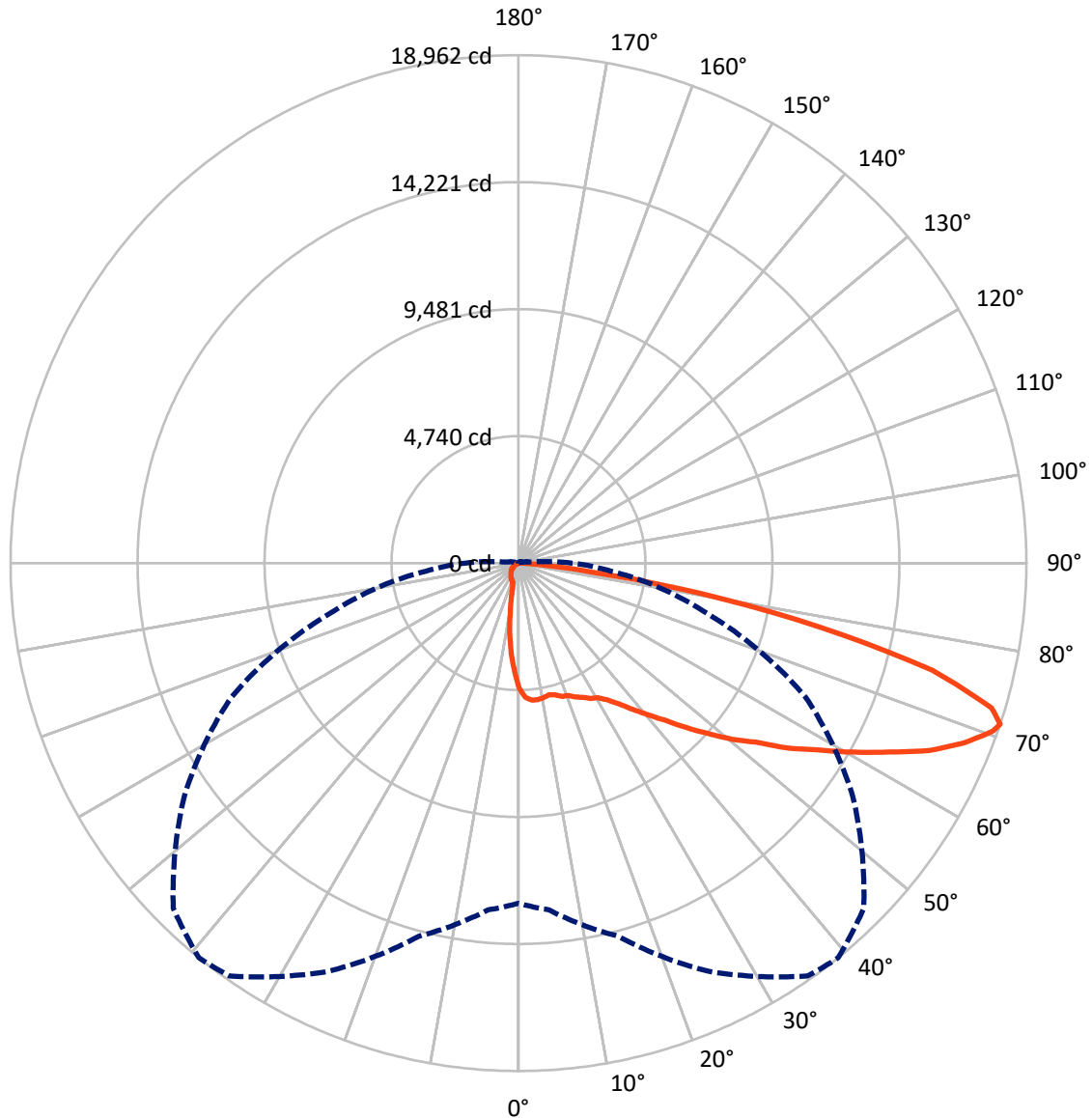
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

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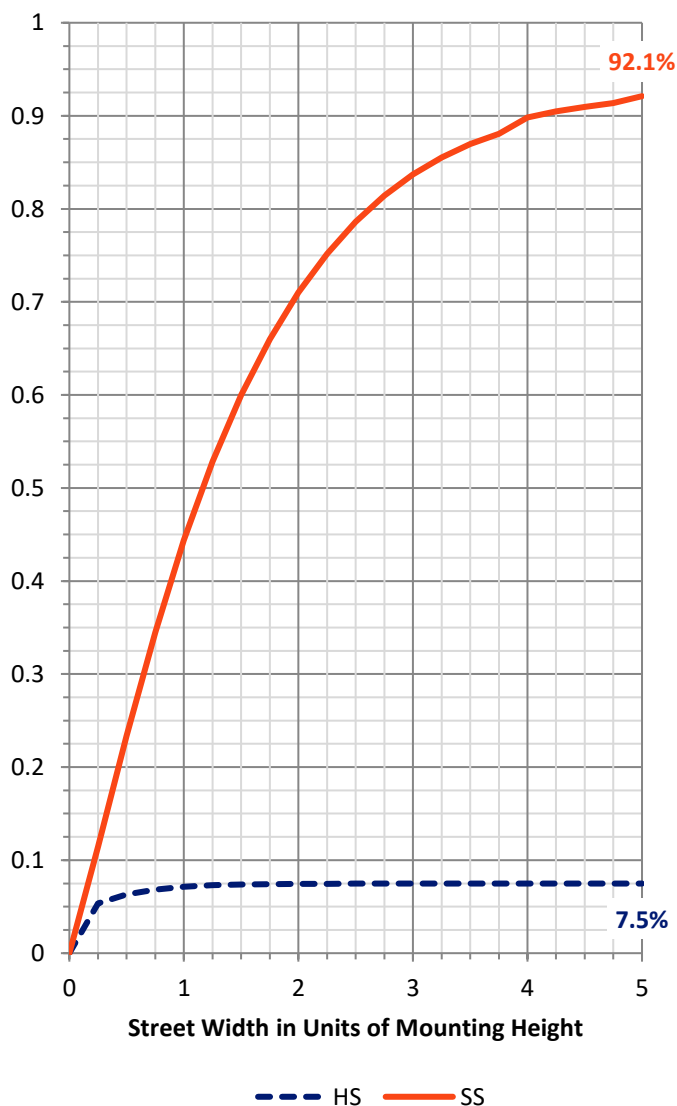
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2030.9	0.0	2030.9
	% Fixture	7.5	0.0	7.5
<b>Street Side</b>	Lumens	24945.2	0.0	24945.2
	% Fixture	92.5	0.0	92.5
<b>Total</b>	Lumens	26976.1	0.0	26976.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	392.6	1.5
10°-20°	966.2	3.6
20°-30°	1551.1	5.8
30°-40°	2374.4	8.8
40°-50°	3811.3	14.1
50°-60°	5598.2	20.8
60°-70°	7050.8	26.1
70°-80°	4705.5	17.4
80°-90°	525.9	1.9
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°	26976.1	100.0
0°-180°	26976.1	100.0

**Coefficient of Utilization**



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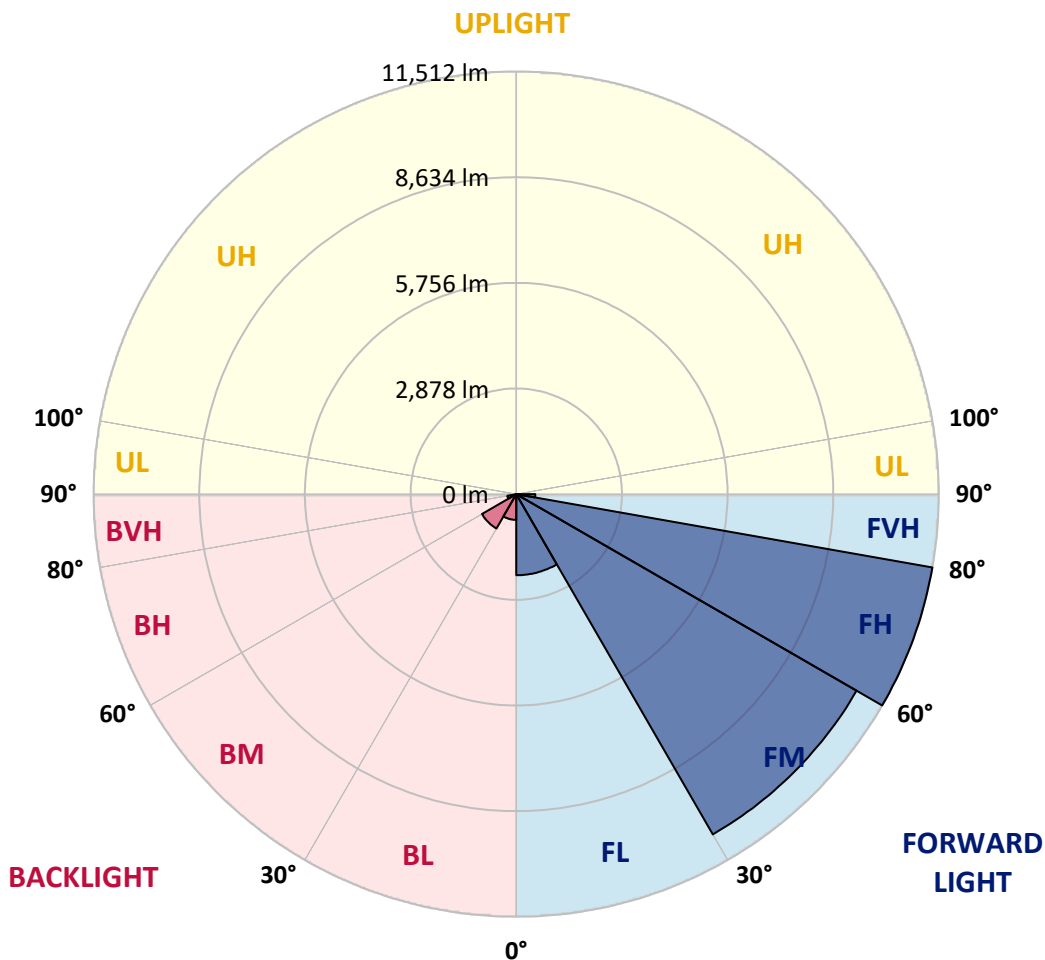
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2208.8	8.2			
FM (30°-60°)	10704.5	39.7			
FH (60°-80°)	11511.9	42.7			G4/12000
FVH (80°-90°)	520.1	1.9			G4/750
BL (0°-30°)	701.2	2.6	B2/1000		
BM (30°-60°)	1079.5	4.0	B2/2500		
BH (60°-80°)	244.4	0.9	B1/500		G1/500
BVH (80°-90°)	5.8	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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	4695.4	4695.4	4695.4	4695.4	4695.4	4695.4	4695.4	4695.4	4695.4	4695.4	4695.4
2.5°	5059.8	5109.4	5059.8	5038.6	5017.4	5020.9	4964.3	4974.9	4907.7	4819.2	4748.4
5°	5219.0	5286.3	5233.2	5208.4	5204.9	5137.7	5109.4	5042.1	4960.7	4822.7	4737.8
7.5°	5204.9	5190.7	5215.5	5194.3	5148.3	5148.3	5116.4	5020.9	4939.5	4783.8	4638.8
10°	5098.7	5141.2	5120.0	5095.2	5105.8	5109.4	5049.2	4982.0	4957.2	4801.5	4564.4
12.5°	5088.1	5017.4	5095.2	5098.7	5052.7	5049.2	5042.1	5024.4	4946.6	4805.1	4582.1
15°	5052.7	5024.4	5102.3	5105.8	5116.4	5105.8	5116.4	5102.3	5024.4	4943.1	4660.0
17.5°	5081.0	5049.2	5158.9	5212.0	5187.2	5236.7	5219.0	5155.4	5088.1	4992.6	4734.3
20°	5088.1	5134.1	5254.4	5275.7	5353.5	5272.1	5268.6	5201.3	5158.9	5056.3	4780.3
22.5°	5219.0	5240.3	5388.9	5434.9	5438.4	5427.8	5339.3	5261.5	5243.8	5116.4	4790.9
25°	5417.2	5491.5	5558.7	5587.0	5597.6	5548.1	5456.1	5357.0	5314.6	5233.2	4900.6
27.5°	5767.5	5721.5	5781.6	5824.1	5703.8	5721.5	5604.7	5519.8	5459.6	5388.9	5028.0
30°	6078.9	6036.4	6039.9	6032.9	5930.2	5834.7	5802.9	5654.3	5580.0	5608.3	5226.1
32.5°	6358.4	6266.4	6344.2	6308.8	6117.8	6089.5	6064.7	5877.2	5891.3	6022.2	5523.3
35°	6616.7	6584.8	6648.5	6584.8	6457.5	6450.4	6425.6	6262.8	6340.7	6528.2	6032.9
37.5°	6853.8	6864.4	6942.2	6910.4	6921.0	6928.1	6913.9	6740.5	6963.4	7384.5	6627.3
40°	7073.1	7059.0	7250.0	7349.1	7370.3	7448.2	7448.2	7405.7	7748.9	8223.1	7451.7
42.5°	7306.7	7342.0	7589.7	7756.0	7957.7	8024.9	8116.9	8138.2	8668.9	9210.3	8293.9
45°	7688.8	7628.6	7943.6	8336.3	8513.2	8750.3	8891.8	9012.1	9652.6	10395.6	9136.0
47.5°	8173.5	8053.2	8329.2	8898.9	9309.4	9504.0	9758.7	9917.9	10544.2	11312.0	9932.1
50°	8711.4	8587.5	8722.0	9507.5	9985.2	10339.0	10664.5	10866.2	11623.4	12338.2	10512.4
52.5°	9320.0	9206.7	9228.0	10140.9	10845.0	11103.3	11531.4	11832.2	12585.8	12957.4	10717.6
55°	9967.5	9939.2	9871.9	10760.1	11598.7	12178.9	12437.2	12798.1	13573.0	13293.5	10940.5
57.5°	10618.5	10530.1	10625.6	11581.0	12808.8	13155.5	13512.9	13728.7	14121.5	13587.2	10855.6
60°	11230.7	11237.7	11372.2	12472.6	13838.4	14330.2	14652.2	14521.3	14684.1	13714.6	10661.0
62.5°	11747.3	11733.1	12072.8	13474.0	15200.7	15533.3	15773.9	15190.1	14945.9	13838.4	10321.3
65°	12210.8	12370.0	12904.3	14666.4	16481.6	16863.7	16718.6	15823.4	15200.7	13474.0	9366.0
67.5°	12561.1	12798.1	13725.2	15788.0	17656.3	17925.2	17723.5	16304.6	14899.9	12044.5	7628.6
70°	12766.3	13006.9	14312.6	16722.2	18593.9	18788.5	18314.4	15933.1	13144.9	8722.0	4759.1
71°	12702.6	12996.3	14425.8	16821.2	18816.9	18961.9	18226.0	15246.7	11821.6	7303.1	3471.1
72.5°	12125.9	12401.9	13955.2	16750.5	18547.9	18459.5	17536.0	13597.8	9305.8	4656.4	1793.9
75°	8909.5	9206.7	11977.3	14489.5	16555.9	15947.3	14192.3	9542.9	4854.6	1425.9	523.7
77.5°	4437.1	4486.6	7434.0	10519.5	12143.6	11538.5	9511.0	5321.7	1815.2	421.1	261.8
80°	2045.2	2059.3	2788.2	5449.0	7342.0	6910.4	5328.7	2625.4	820.9	222.9	205.2
82.5°	1394.1	1415.3	1680.7	2257.5	3188.0	2689.1	2158.4	1680.7	470.6	134.5	201.7
85°	254.8	233.5	941.2	1196.0	1231.3	835.0	746.6	1454.3	176.9	77.8	176.9
87.5°	0.0	3.5	130.9	488.3	438.8	194.6	254.8	353.8	17.7	24.8	31.8
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°	4695.4	4695.4	4695.4	4695.4	4695.4	4695.4	4695.4	4695.4	4695.4	4695.4	4695.4
2.5°	4688.3	4649.4	4518.5	4373.4	4242.5	4139.8	4008.9	3948.8	3853.2	3800.2	3796.6
5°	4621.1	4514.9	4288.5	4044.3	3771.9	3545.4	3294.2	3152.7	2989.9	2940.4	2929.7
7.5°	4507.8	4355.7	4023.1	3679.9	3262.3	2862.5	2554.7	2225.6	2023.9	1939.0	1907.2
10°	4437.1	4253.1	3800.2	3287.1	2703.3	2140.7	1709.0	1358.7	1174.7	1086.3	1065.0
12.5°	4437.1	4238.9	3619.7	2912.0	2137.2	1464.9	1058.0	856.3	796.1	774.9	774.9
15°	4426.5	4210.6	3446.3	2526.4	1581.6	983.7	789.0	746.6	739.5	736.0	732.4
17.5°	4479.5	4161.1	3269.4	2112.4	1118.1	774.9	725.4	718.3	711.2	711.2	704.1
20°	4518.5	4132.8	3057.1	1673.6	835.0	718.3	697.1	686.4	682.9	679.4	686.4
22.5°	4486.6	4090.3	2795.3	1252.6	728.9	682.9	668.7	658.1	651.1	651.1	654.6
25°	4546.8	4051.4	2533.4	944.7	682.9	651.1	636.9	629.8	626.3	622.7	615.7
27.5°	4628.1	4069.1	2222.1	760.7	644.0	619.2	605.1	598.0	594.4	587.4	594.4
30°	4727.2	4065.5	1878.9	665.2	608.6	583.8	569.7	566.1	559.1	555.5	559.1
32.5°	4897.1	4157.5	1525.0	615.7	569.7	548.4	534.3	530.7	527.2	523.7	520.1
35°	5261.5	4270.8	1192.4	576.7	534.3	509.5	498.9	491.8	488.3	484.8	481.2
37.5°	5710.9	4522.0	909.4	541.4	498.9	474.1	463.5	460.0	445.8	442.3	438.8
40°	6273.5	4790.9	700.6	502.4	467.1	442.3	431.7	421.1	403.4	396.3	389.2
42.5°	6974.1	5052.7	576.7	467.1	431.7	414.0	396.3	378.6	364.4	350.3	343.2
45°	7674.6	5357.0	506.0	435.2	403.4	382.1	368.0	343.2	318.4	297.2	293.7
47.5°	8258.5	5466.7	463.5	399.8	375.1	357.4	336.1	304.3	268.9	247.7	244.1
50°	8693.7	5403.0	421.1	364.4	343.2	325.5	297.2	258.3	222.9	201.7	194.6
52.5°	8778.6	5123.5	382.1	336.1	311.4	290.1	258.3	215.8	176.9	155.7	152.1
55°	8718.5	4660.0	350.3	311.4	283.1	251.2	215.8	173.4	138.0	116.8	113.2
57.5°	8594.6	4111.5	314.9	279.5	247.7	215.8	176.9	141.5	102.6	81.4	81.4
60°	8173.5	3365.0	279.5	244.1	212.3	184.0	145.1	102.6	70.8	53.1	49.5
62.5°	7586.2	2586.5	244.1	208.8	184.0	152.1	113.2	74.3	42.5	28.3	28.3
65°	6514.1	1811.6	205.2	173.4	152.1	123.8	84.9	46.0	24.8	10.6	10.6
67.5°	4950.1	1121.7	169.8	145.1	130.9	99.1	60.2	28.3	10.6	3.5	0.0
70°	2841.3	583.8	134.5	116.8	102.6	74.3	42.5	14.2	7.1	0.0	0.0
71°	1985.0	431.7	120.3	102.6	92.0	67.2	35.4	10.6	3.5	0.0	0.0
72.5°	994.3	286.6	102.6	84.9	74.3	53.1	28.3	10.6	3.5	0.0	0.0
75°	353.8	184.0	70.8	56.6	53.1	38.9	17.7	7.1	3.5	0.0	0.0
77.5°	244.1	148.6	49.5	35.4	35.4	24.8	10.6	3.5	3.5	0.0	0.0
80°	222.9	81.4	31.8	21.2	17.7	14.2	7.1	3.5	0.0	0.0	0.0
82.5°	222.9	60.2	17.7	14.2	10.6	7.1	3.5	0.0	0.0	0.0	0.0
85°	155.7	31.8	10.6	10.6	7.1	3.5	0.0	0.0	0.0	0.0	0.0
87.5°	24.8	10.6	7.1	3.5	3.5	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)