

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: McGRAW-EDISON

Report Number: P943136

Luminaire Tested: **GALN-SB7C-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943136
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB7C-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34506 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 350.5
Input Voltage (V): NR
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

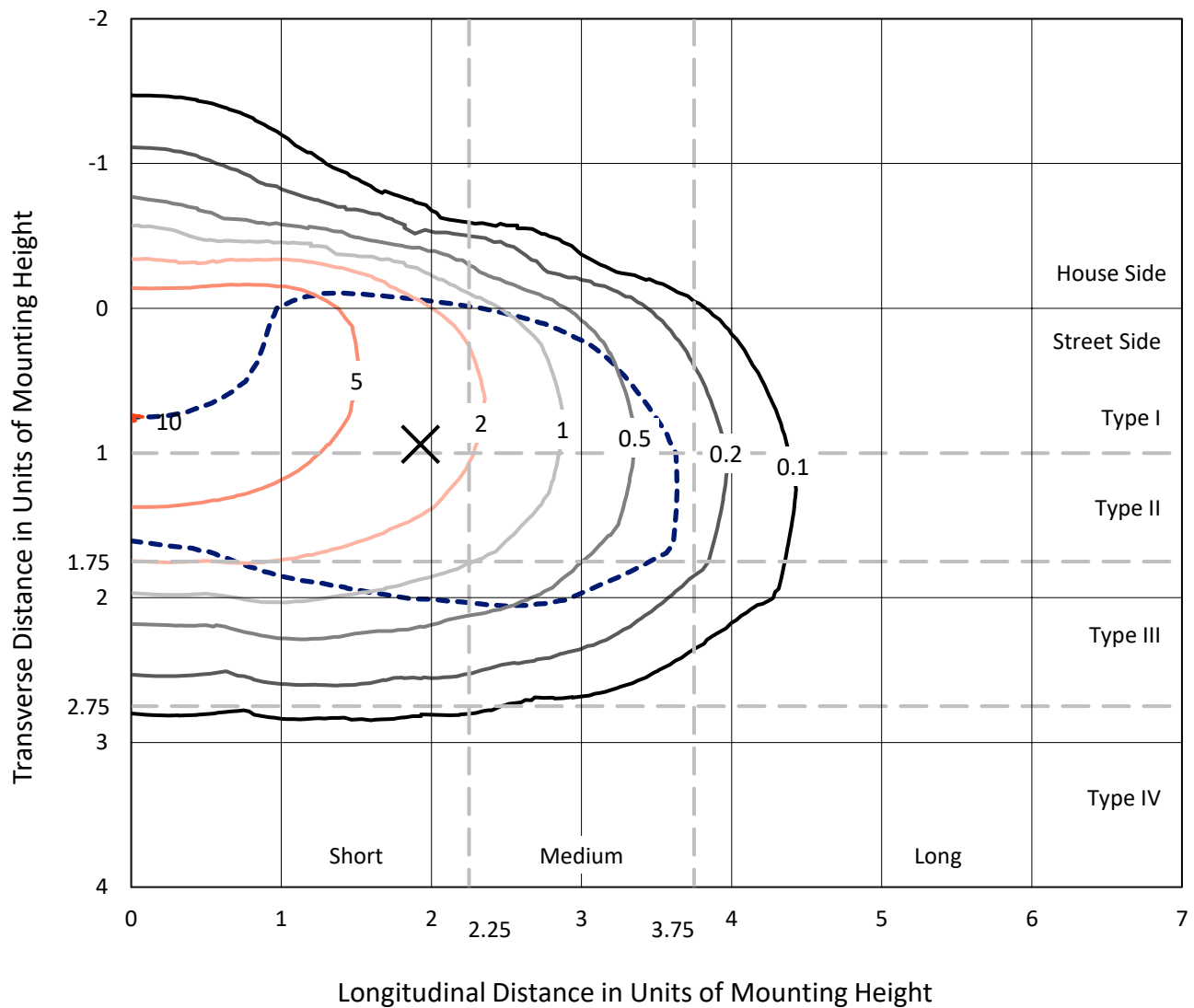


REPORT NUMBER: P943136

CATALOG NUMBER: GALN-SB7C-722-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

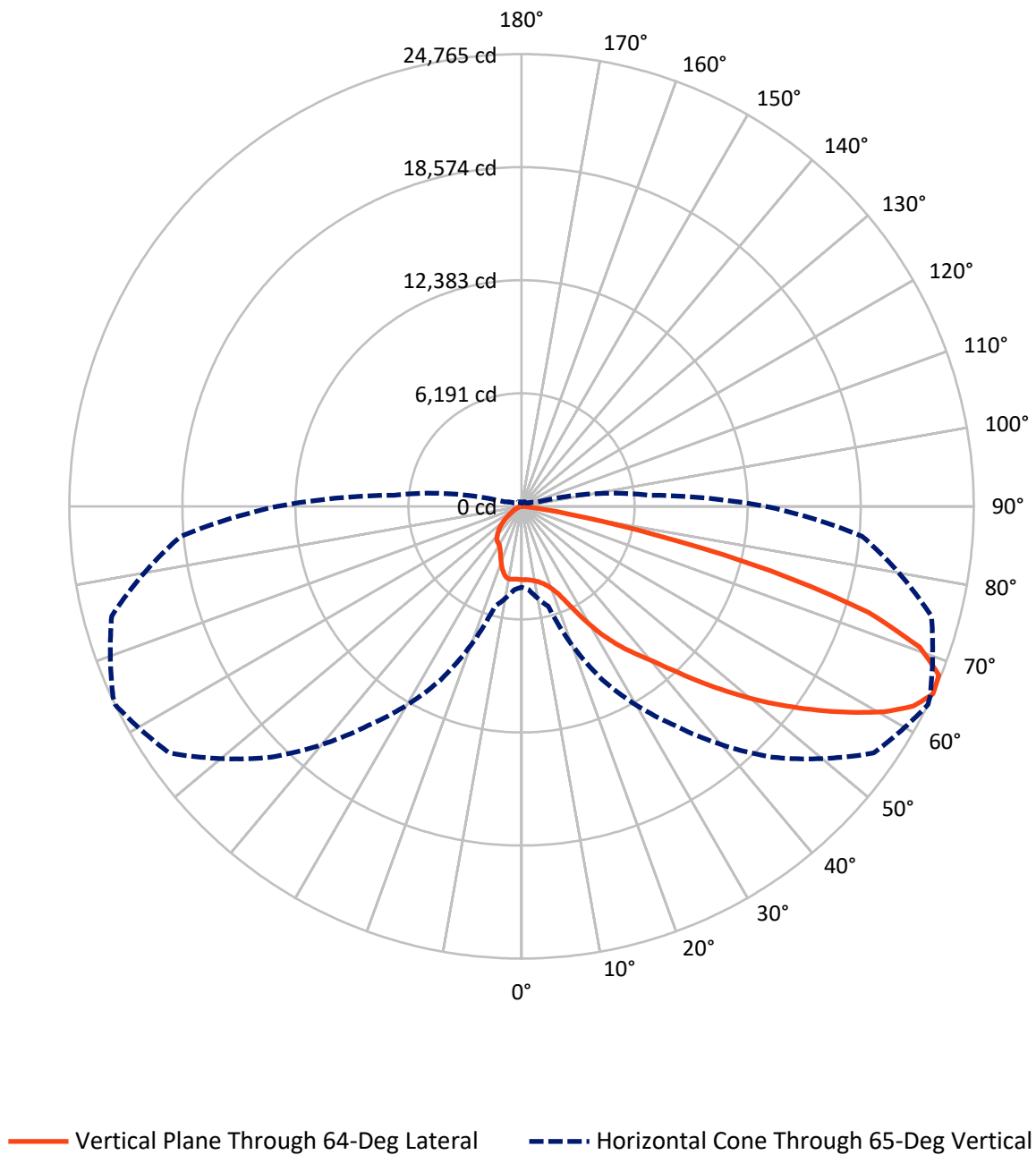


Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
Type III - Short - N/A

REPORT NUMBER: P943136

CATALOG NUMBER: GALN-SB7C-722-U-T3-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P943136

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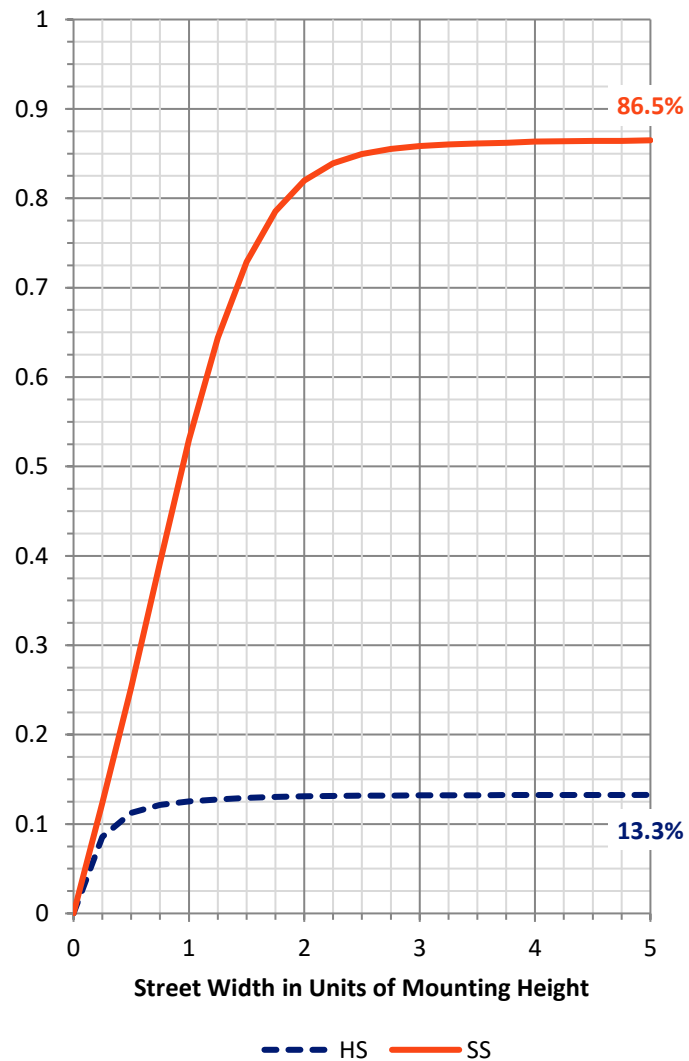
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4614.5	0.0	4614.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	29891.5	0.0	29891.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	34506.0	0.0	34506.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.3	1.1
10°-20°	1004.3	2.9
20°-30°	1903.1	5.5
30°-40°	3850.9	11.2
40°-50°	6560.0	19.0
50°-60°	8921.1	25.9
60°-70°	8377.4	24.3
70°-80°	3356.3	9.7
80°-90°	162.6	0.5
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°	34506.0	100.0
0°-180°	34506.0	100.0

Coefficient of Utilization



REPORT NUMBER: P943136

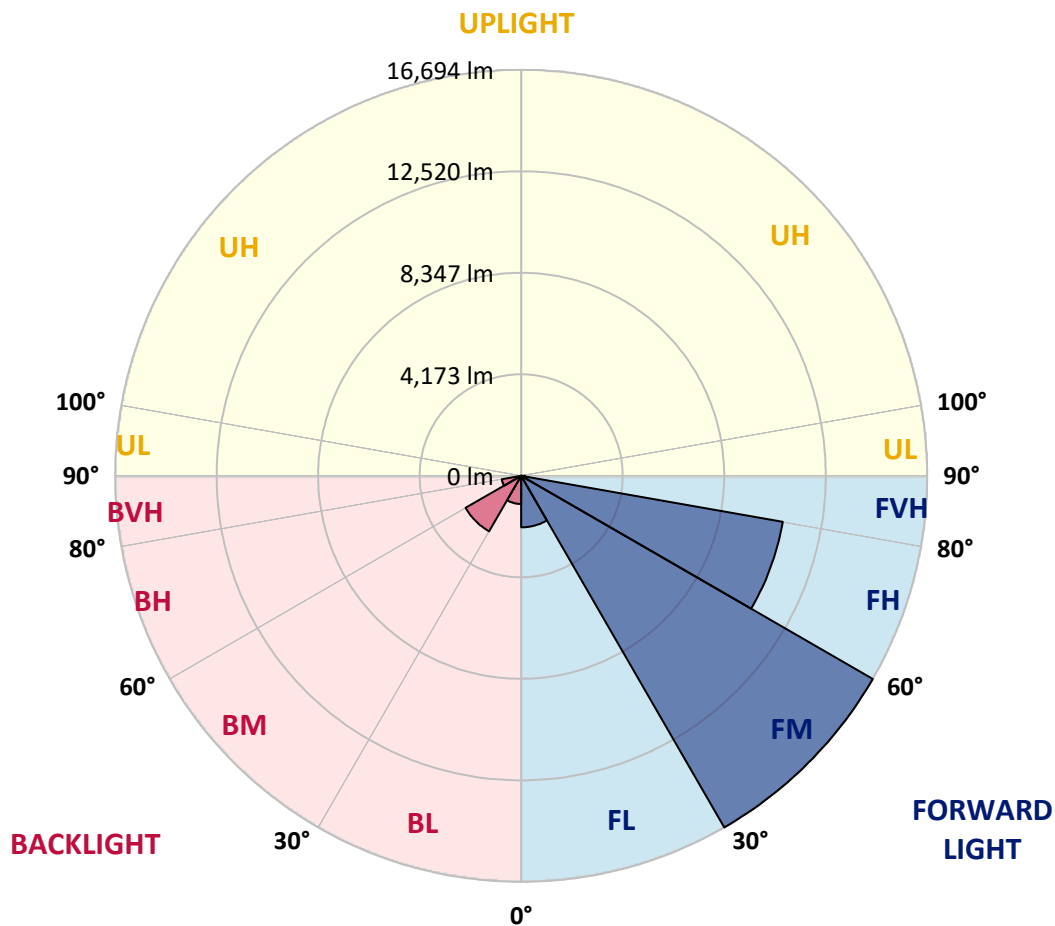
CATALOG NUMBER: GALN-SB7C-722-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2119.1	6.1			
FM	(30°-60°)	16694.0	48.4			
FH	(60°-80°)	10923.8	31.7			G4/12000
FVH	(80°-90°)	154.7	0.4			G2/225
BL	(0°-30°)	1158.6	3.4	B3/2500		
BM	(30°-60°)	2638.1	7.6	B3/5000		
BH	(60°-80°)	809.9	2.3	B2/1000		G2/1000
BVH	(80°-90°)	7.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Short



REPORT NUMBER: P943136

CATALOG NUMBER: GALN-SB7C-722-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	4013.4	4013.4	4013.4	4013.4	4013.4	4013.4	4013.4	4013.4	4013.4	4013.4	4013.4
2.5°	3999.5	4027.3	4020.3	4013.4	4011.1	4015.7	4018.0	4015.7	4015.7	4015.7	4018.0
5°	3923.2	3946.3	3946.3	3962.5	3985.6	4013.4	4034.2	4038.9	4043.5	4050.4	4048.1
7.5°	3777.5	3796.0	3809.8	3863.0	3920.9	3994.9	4057.4	4089.7	4094.4	4119.8	4129.1
10°	3678.0	3701.1	3724.3	3779.8	3863.0	3974.1	4080.5	4159.1	4170.7	4230.8	4258.6
12.5°	3673.4	3696.5	3726.6	3786.7	3883.9	4001.8	4131.4	4244.7	4265.5	4353.4	4411.3
15°	3721.9	3749.7	3777.5	3851.5	3955.6	4099.0	4237.8	4378.9	4399.7	4524.6	4587.1
17.5°	3821.4	3858.4	3879.2	3953.3	4064.3	4223.9	4406.7	4568.6	4587.1	4732.8	4811.5
20°	4018.0	4062.0	4068.9	4129.1	4237.8	4409.0	4626.4	4827.7	4850.8	5017.3	5105.2
22.5°	4425.2	4487.6	4432.1	4462.2	4559.3	4730.5	4966.4	5220.9	5253.3	5443.0	5521.6
25°	5142.2	5230.2	5086.7	5035.8	5077.5	5255.6	5551.7	5873.2	5910.2	6062.9	6102.2
27.5°	6551.0	6437.6	6220.2	6007.4	5882.5	5984.3	6317.4	6715.2	6761.5	6909.5	6863.3
30°	8098.5	7999.1	7705.3	7233.4	6937.3	6921.1	7228.8	7672.9	7726.1	7867.2	7726.1
32.5°	9648.4	9553.5	9234.3	8653.7	8140.2	7885.7	8098.5	8591.2	8619.0	8709.2	8501.0
35°	11172.8	11075.6	10756.4	10161.9	9530.4	8952.1	8910.5	9465.6	9474.9	9569.7	9259.7
37.5°	12706.4	12625.5	12285.4	11702.5	11080.2	10282.2	9895.9	10293.8	10305.3	10397.8	10076.3
40°	13800.6	13835.3	13601.6	13150.6	12616.2	11744.1	11001.6	11175.1	11105.7	11260.7	11068.7
42.5°	14739.7	14809.1	14605.6	14378.9	14068.9	13300.9	12371.0	12340.9	12229.9	12313.2	12114.2
45°	15551.7	15609.5	15426.7	15373.5	15366.6	14827.6	13867.6	13687.2	13532.2	13516.0	13277.8
47.5°	15850.1	15961.1	16039.7	16217.9	16564.8	16338.1	15415.2	15135.3	14961.8	14834.6	14457.5
50°	15963.4	16081.4	16349.7	16867.9	17689.1	17786.2	16955.8	16641.2	16428.4	16197.0	15641.9
52.5°	15810.7	16021.2	16382.1	17254.2	18445.5	18947.4	18433.9	18158.6	17915.8	17538.7	16715.2
55°	14910.9	15121.4	15859.3	17249.6	18822.5	19761.7	19831.1	19708.5	19435.5	18841.0	17582.7
57.5°	13014.1	13326.4	14494.5	16662.0	18815.6	20462.6	21200.5	21288.4	20983.1	20131.8	18265.0
60°	10386.3	10809.6	12234.5	15359.7	18235.0	20842.0	22401.1	22840.6	22516.7	21404.1	18817.9
62.5°	7247.3	7737.7	9086.3	13319.4	16907.2	20569.0	23277.8	24089.7	23844.5	22542.2	19030.7
65°	4420.5	4577.8	5665.0	10481.1	14649.5	19426.3	23548.4	24765.1	24684.2	23238.4	18716.1
67.5°	2944.7	3076.6	3388.8	7187.1	11371.7	17143.1	22900.7	24647.2	24670.3	23125.1	17564.1
70°	1774.2	1887.6	2091.1	4180.0	7369.9	13569.2	20895.2	23143.6	23277.8	21609.9	15380.5
72.5°	731.0	807.3	992.4	1894.5	3816.8	8612.1	16638.9	19870.4	20182.7	18170.2	11804.3
75°	414.1	453.4	582.9	950.7	1656.3	4013.4	10078.6	14105.9	14566.2	12523.7	7101.5
77.5°	275.3	293.8	377.1	615.3	932.2	1369.4	4307.2	7349.0	8228.1	6840.1	3074.2
80°	185.1	201.2	259.1	411.8	606.1	587.6	1371.7	2722.6	3349.5	2350.2	749.5
82.5°	124.9	127.2	185.1	270.6	384.0	284.5	404.8	846.6	1064.1	680.1	284.5
85°	71.7	69.4	136.5	157.3	171.2	118.0	122.6	254.5	333.1	286.8	161.9
87.5°	9.3	13.9	53.2	41.6	23.1	25.4	25.4	44.0	64.8	69.4	34.7
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: P943136

CATALOG NUMBER: GALN-SB7C-722-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4013.4	4013.4	4013.4	4013.4	4013.4	4013.4	4013.4	4013.4	4013.4	4013.4	4013.4
2.5°	4018.0	4015.7	4008.8	4001.8	3985.6	3976.4	3981.0	3976.4	3974.1	3976.4	3985.6
5°	4048.1	4041.2	4022.7	3999.5	3967.1	3927.8	3902.4	3865.4	3830.7	3809.8	3814.5
7.5°	4129.1	4122.1	4096.7	4031.9	3927.8	3763.6	3613.2	3481.4	3381.9	3324.1	3326.4
10°	4258.6	4247.0	4207.7	4064.3	3791.3	3432.8	3134.4	2886.9	2725.0	2648.6	2641.7
12.5°	4411.3	4397.4	4328.0	4034.2	3532.3	2972.5	2560.7	2285.4	2135.1	2068.0	2061.1
15°	4591.7	4573.2	4436.7	3890.8	3155.2	2463.6	2086.5	1880.6	1783.5	1723.3	1725.6
17.5°	4816.1	4783.7	4517.7	3675.7	2745.8	2074.9	1795.0	1640.1	1554.5	1496.6	1492.0
20°	5107.6	5054.3	4582.5	3418.9	2368.7	1829.7	1598.4	1468.9	1404.1	1353.2	1344.0
22.5°	5514.7	5438.3	4661.1	3141.3	2102.7	1660.9	1452.7	1357.8	1304.6	1246.8	1237.6
25°	6019.0	5928.7	4758.3	2884.6	1920.0	1515.1	1346.3	1267.6	1205.2	1138.1	1131.2
27.5°	6724.5	6562.6	4873.9	2674.1	1762.7	1390.2	1249.1	1161.2	1089.5	1034.0	1022.4
30°	7511.0	7244.9	4975.7	2546.8	1619.2	1274.6	1121.9	1034.0	966.9	927.6	920.7
32.5°	8255.8	7895.0	5042.8	2491.3	1489.7	1142.7	983.1	888.3	837.4	825.8	832.8
35°	8959.0	8482.5	5035.8	2438.1	1374.0	1010.9	846.6	749.5	710.2	717.1	717.1
37.5°	9768.7	9109.4	4987.3	2354.8	1279.2	890.6	728.7	643.1	608.4	610.7	619.9
40°	10710.1	9833.4	4957.2	2197.5	1175.1	779.5	631.5	562.1	536.7	527.4	525.1
42.5°	11714.1	10534.3	4961.8	2019.4	1045.6	680.1	564.4	506.6	483.5	476.5	474.2
45°	12722.6	11202.8	4968.8	1834.4	909.1	603.7	515.8	467.3	453.4	444.1	444.1
47.5°	13671.0	11771.9	4839.2	1635.4	774.9	545.9	476.5	444.1	432.6	421.0	421.0
50°	14554.7	12151.3	4526.9	1404.1	668.5	499.7	446.4	423.3	411.8	400.2	400.2
52.5°	15241.7	12211.4	4011.1	1165.9	594.5	465.0	427.9	407.1	393.2	381.7	379.4
55°	15547.0	11834.3	3277.8	943.8	536.7	434.9	409.4	388.6	372.4	360.9	358.5
57.5°	15468.4	11040.9	2556.1	758.7	481.1	404.8	386.3	372.4	353.9	335.4	333.1
60°	15082.1	9979.2	1926.9	631.5	430.3	372.4	360.9	349.3	323.8	296.1	291.5
62.5°	14413.6	8644.4	1374.0	522.8	374.7	335.4	330.8	321.5	284.5	233.6	229.0
65°	13391.1	7022.9	925.3	434.9	321.5	293.8	296.1	279.9	231.3	173.5	168.9
67.5°	11896.8	5135.3	592.2	356.2	268.3	245.2	247.5	238.3	196.6	148.0	141.1
70°	9993.0	3400.4	386.3	270.6	215.1	189.7	203.6	205.9	166.6	120.3	115.7
72.5°	7325.9	2007.9	270.6	201.2	157.3	131.9	166.6	171.2	134.2	90.2	85.6
75°	4175.3	953.0	203.6	145.7	97.2	92.5	129.5	129.5	92.5	60.1	55.5
77.5°	1753.4	397.9	143.4	94.8	55.5	53.2	87.9	81.0	46.3	27.8	27.8
80°	506.6	178.1	76.3	46.3	23.1	20.8	34.7	25.4	11.6	4.6	4.6
82.5°	198.9	78.6	30.1	18.5	9.3	9.3	4.6	0.0	0.0	0.0	0.0
85°	118.0	32.4	13.9	6.9	2.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	30.1	6.9	4.6	0.0	0.0	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)