

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: P942976

Luminaire Tested: **GALN-SB7B-727-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942976
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-SB7B-727-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2700K, 450mA 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: 29131 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 256.7
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

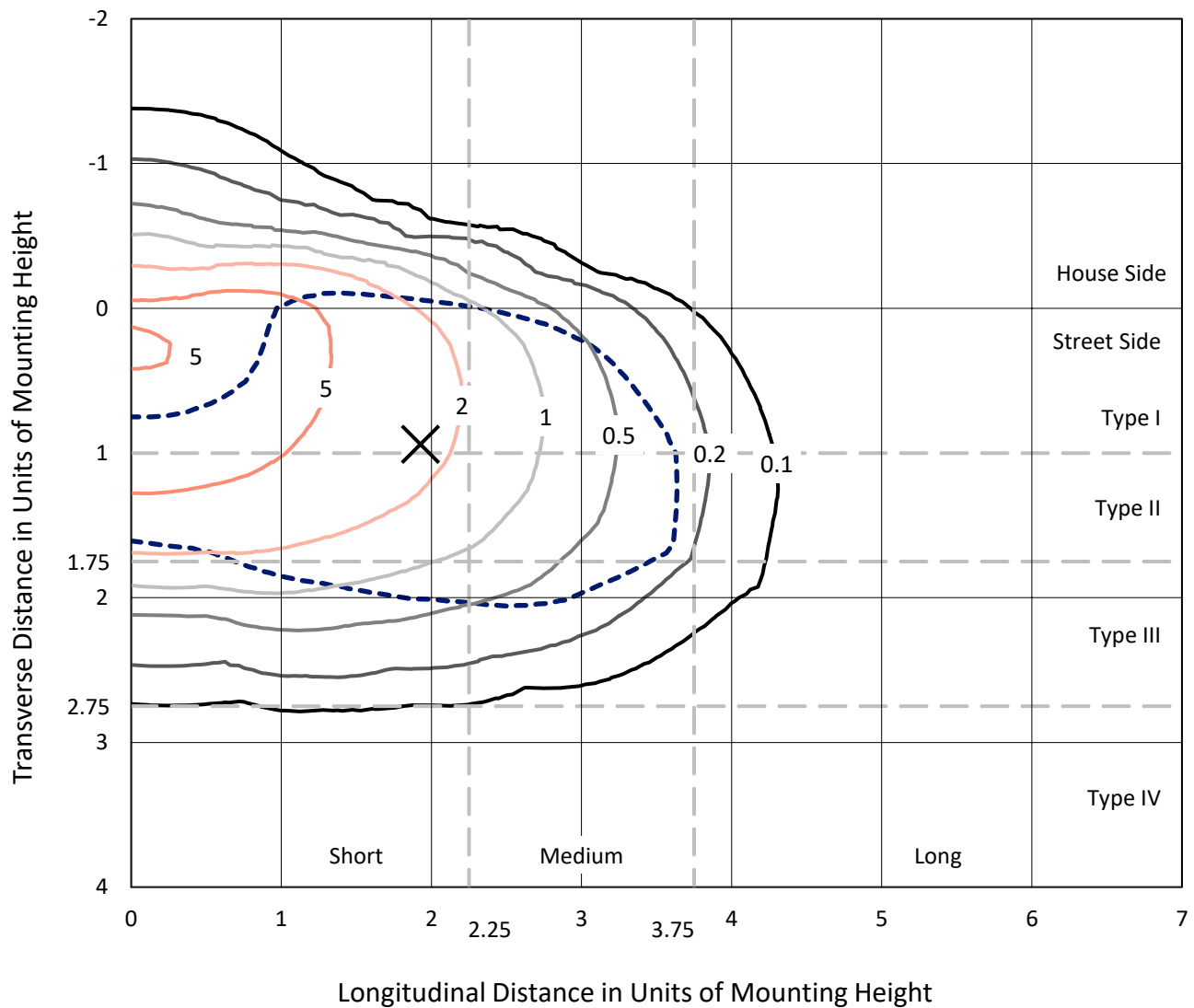


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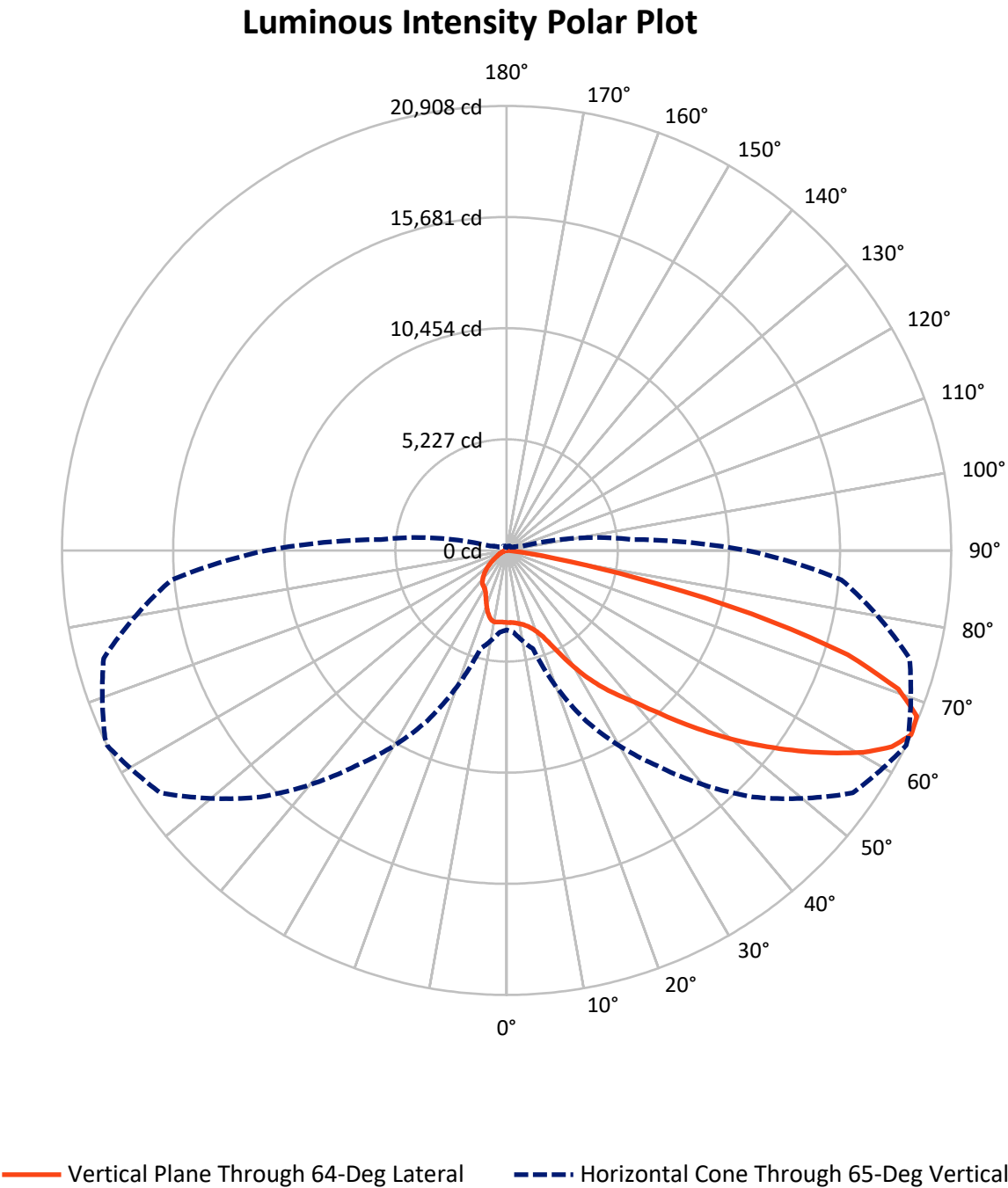
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
Type III - Short - N/A

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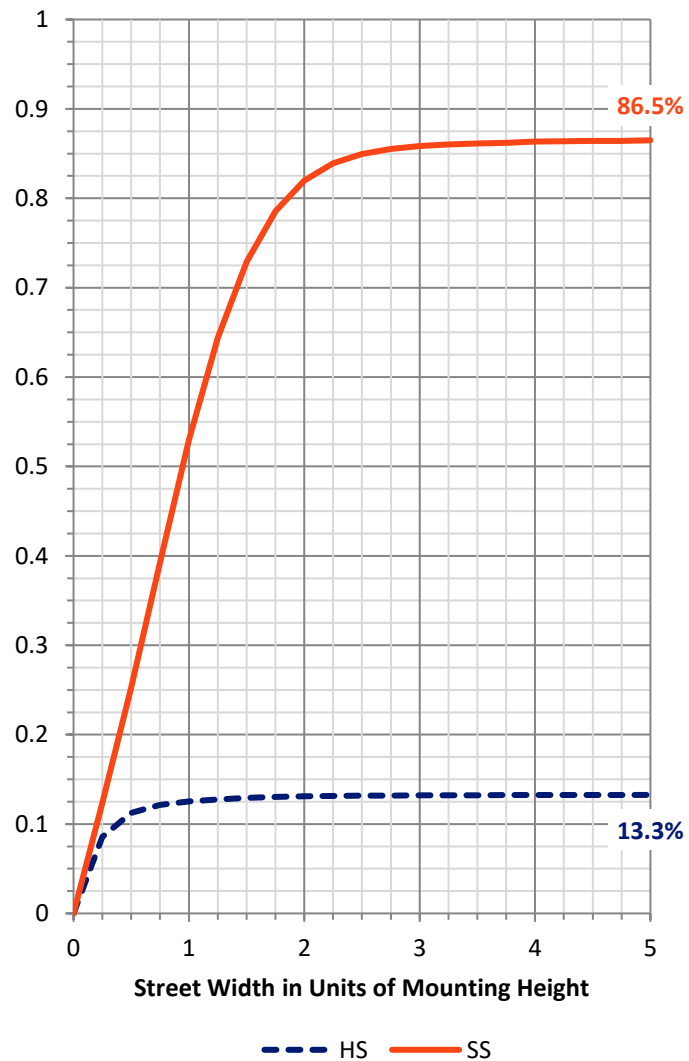
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3895.7	0.0	3895.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	25235.3	0.0	25235.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	29131.0	0.0	29131.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.6	1.1
10°-20°	847.9	2.9
20°-30°	1606.6	5.5
30°-40°	3251.0	11.2
40°-50°	5538.2	19.0
50°-60°	7531.5	25.9
60°-70°	7072.4	24.3
70°-80°	2833.5	9.7
80°-90°	137.3	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°	29131.0	100.0
0°-180°	29131.0	100.0

Coefficient of Utilization



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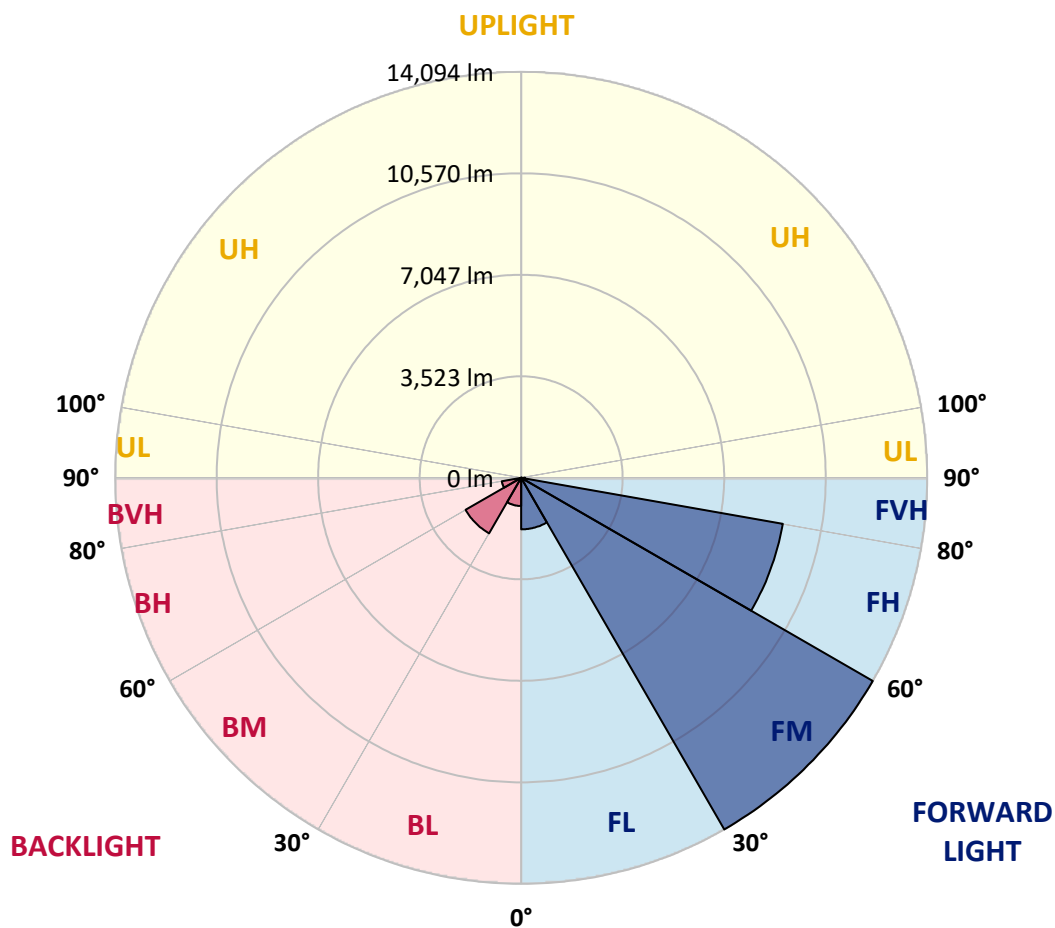
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1789.0	6.1			
FM	(30°-60°)	14093.5	48.4			
FH	(60°-80°)	9222.2	31.7			G4/12000
FVH	(80°-90°)	130.6	0.4			G2/225
BL	(0°-30°)	978.1	3.4	B2/1000		
BM	(30°-60°)	2227.1	7.6	B2/2500		
BH	(60°-80°)	683.8	2.3	B2/1000		G2/1000
BVH	(80°-90°)	6.7	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°	64°	65°	75°	85°
0°	3388.2	3388.2	3388.2	3388.2	3388.2	3388.2	3388.2	3388.2	3388.2	3388.2	3388.2
2.5°	3376.5	3400.0	3394.1	3388.2	3386.3	3390.2	3392.1	3390.2	3390.2	3390.2	3392.1
5°	3312.1	3331.6	3331.6	3345.3	3364.8	3388.2	3405.8	3409.7	3413.6	3419.5	3417.5
7.5°	3189.0	3204.7	3216.4	3261.3	3310.1	3372.6	3425.3	3452.7	3456.6	3478.1	3485.9
10°	3105.1	3124.6	3144.1	3191.0	3261.3	3355.0	3444.9	3511.3	3521.0	3571.8	3595.2
12.5°	3101.2	3120.7	3146.1	3196.9	3278.9	3378.5	3487.8	3583.5	3601.1	3675.3	3724.1
15°	3142.2	3165.6	3189.0	3251.5	3339.4	3460.5	3577.7	3696.8	3714.4	3819.8	3872.6
17.5°	3226.1	3257.4	3275.0	3337.5	3431.2	3565.9	3720.2	3856.9	3872.6	3995.6	4062.0
20°	3392.1	3429.2	3435.1	3485.9	3577.7	3722.2	3905.7	4075.6	4095.2	4235.8	4310.0
22.5°	3735.8	3788.6	3741.7	3767.1	3849.1	3993.6	4192.8	4407.6	4435.0	4595.1	4661.5
25°	4341.2	4415.4	4294.4	4251.4	4286.6	4436.9	4686.9	4958.3	4989.6	5118.5	5151.7
27.5°	5530.5	5434.9	5251.3	5071.6	4966.2	5052.1	5333.3	5669.2	5708.3	5833.2	5794.2
30°	6837.0	6753.0	6505.0	6106.6	5856.7	5843.0	6102.7	6477.7	6522.6	6641.7	6522.6
32.5°	8145.4	8065.4	7795.9	7305.7	6872.2	6657.4	6837.0	7253.0	7276.4	7352.6	7176.8
35°	9432.4	9350.4	9080.9	8579.0	8045.8	7557.6	7522.5	7991.2	7999.0	8079.0	7817.4
37.5°	10727.1	10658.8	10371.7	9879.6	9354.3	8680.5	8354.4	8690.3	8700.1	8778.2	8506.7
40°	11650.9	11680.1	11482.9	11102.1	10651.0	9914.7	9287.9	9434.3	9375.8	9506.6	9344.5
42.5°	12443.7	12502.3	12330.5	12139.1	11877.4	11229.0	10444.0	10418.6	10324.8	10395.2	10227.2
45°	13129.2	13178.0	13023.7	12978.8	12972.9	12517.9	11707.5	11555.2	11424.3	11410.6	11209.5
47.5°	13381.1	13474.8	13541.2	13691.6	13984.5	13793.2	13014.0	12777.7	12631.2	12523.8	12205.5
50°	13476.8	13576.4	13802.9	14240.4	14933.6	15015.7	14314.6	14049.0	13869.3	13674.0	13205.3
52.5°	13347.9	13525.6	13830.3	14566.5	15572.2	15996.0	15562.5	15330.1	15125.0	14806.7	14111.5
55°	12588.2	12765.9	13388.9	14562.6	15890.5	16683.4	16742.0	16638.5	16408.1	15906.2	14843.8
57.5°	10986.9	11250.5	12236.7	14066.6	15884.7	17275.1	17898.1	17972.3	17714.5	16995.9	15419.9
60°	8768.4	9125.8	10328.8	12967.1	15394.5	17595.4	18911.6	19282.7	19009.3	18070.0	15886.6
62.5°	6118.4	6532.4	7670.9	11244.7	14273.6	17365.0	19651.8	20337.2	20130.2	19030.8	16066.3
65°	3731.9	3864.7	4782.6	8848.5	12367.6	16400.2	19880.3	20907.5	20839.1	19618.6	15800.7
67.5°	2486.0	2597.3	2861.0	6067.6	9600.3	14472.8	19333.5	20807.9	20827.4	19522.9	14828.2
70°	1497.9	1593.5	1765.4	3528.8	6221.9	11455.6	17640.3	19538.5	19651.8	18243.8	12984.7
72.5°	617.1	681.6	837.8	1599.4	3222.2	7270.6	14047.0	16775.2	17038.8	15339.8	9965.5
75°	349.6	382.8	492.1	802.6	1398.3	3388.2	8508.7	11908.6	12297.3	10572.9	5995.3
77.5°	232.4	248.0	318.3	519.5	787.0	1156.1	3636.3	6204.3	6946.4	5774.7	2595.4
80°	156.2	169.9	218.7	347.6	511.7	496.0	1158.1	2298.5	2827.8	1984.1	632.7
82.5°	105.5	107.4	156.2	228.5	324.2	240.2	341.8	714.8	898.3	574.1	240.2
85°	60.5	58.6	115.2	132.8	144.5	99.6	103.5	214.8	281.2	242.2	136.7
87.5°	7.8	11.7	44.9	35.2	19.5	21.5	21.5	37.1	54.7	58.6	29.3
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°	3388.2	3388.2	3388.2	3388.2	3388.2	3388.2	3388.2	3388.2	3388.2	3388.2	3388.2
2.5°	3392.1	3390.2	3384.3	3378.5	3364.8	3357.0	3360.9	3357.0	3355.0	3357.0	3364.8
5°	3417.5	3411.7	3396.0	3376.5	3349.2	3316.0	3294.5	3263.3	3234.0	3216.4	3220.3
7.5°	3485.9	3480.0	3458.5	3403.9	3316.0	3177.3	3050.4	2939.1	2855.1	2806.3	2808.2
10°	3595.2	3585.5	3552.3	3431.2	3200.8	2898.1	2646.1	2437.2	2300.5	2236.0	2230.2
12.5°	3724.1	3712.4	3653.8	3405.8	2982.0	2509.4	2161.8	1929.4	1802.5	1745.9	1740.0
15°	3876.5	3860.8	3745.6	3284.7	2663.7	2079.8	1761.5	1587.7	1505.7	1454.9	1456.8
17.5°	4065.9	4038.5	3814.0	3103.1	2318.1	1751.7	1515.4	1384.6	1312.3	1263.5	1259.6
20°	4311.9	4267.0	3868.6	2886.3	1999.7	1544.7	1349.4	1240.1	1185.4	1142.4	1134.6
22.5°	4655.7	4591.2	3935.0	2652.0	1775.2	1402.2	1226.4	1146.3	1101.4	1052.6	1044.8
25°	5081.4	5005.2	4017.1	2435.2	1620.9	1279.1	1136.6	1070.2	1017.4	960.8	955.0
27.5°	5677.0	5540.3	4114.7	2257.5	1488.1	1173.7	1054.6	980.3	919.8	872.9	863.2
30°	6341.0	6116.4	4200.6	2150.1	1367.0	1076.0	947.1	872.9	816.3	783.1	777.2
32.5°	6969.8	6665.2	4257.3	2103.2	1257.7	964.7	830.0	749.9	706.9	697.2	703.0
35°	7563.5	7161.2	4251.4	2058.3	1160.0	853.4	714.8	632.7	599.5	605.4	605.4
37.5°	8247.0	7690.4	4210.4	1988.0	1079.9	751.9	615.2	542.9	513.6	515.6	523.4
40°	9041.8	8301.7	4185.0	1855.2	992.1	658.1	533.1	474.5	453.1	445.3	443.3
42.5°	9889.4	8893.4	4188.9	1704.9	882.7	574.1	476.5	427.7	408.2	402.3	400.3
45°	10740.8	9457.8	4194.8	1548.6	767.5	509.7	435.5	394.5	382.8	375.0	375.0
47.5°	11541.5	9938.2	4085.4	1380.7	654.2	460.9	402.3	375.0	365.2	355.4	355.4
50°	12287.5	10258.5	3821.8	1185.4	564.4	421.8	376.9	357.4	347.6	337.8	337.8
52.5°	12867.5	10309.2	3386.3	984.2	501.9	392.5	361.3	343.7	332.0	322.2	320.3
55°	13125.3	9990.9	2767.2	796.8	453.1	367.1	345.7	328.1	314.4	304.6	302.7
57.5°	13058.9	9321.1	2157.9	640.5	406.2	341.8	326.1	314.4	298.8	283.2	281.2
60°	12732.7	8424.7	1626.7	533.1	363.2	314.4	304.6	294.9	273.4	250.0	246.1
62.5°	12168.4	7297.9	1160.0	441.3	316.4	283.2	279.3	271.4	240.2	197.2	193.3
65°	11305.2	5928.9	781.1	367.1	271.4	248.0	250.0	236.3	195.3	146.5	142.6
67.5°	10043.6	4335.4	499.9	300.7	226.5	207.0	209.0	201.1	166.0	125.0	119.1
70°	8436.4	2870.7	326.1	228.5	181.6	160.1	171.9	173.8	140.6	101.5	97.6
72.5°	6184.8	1695.1	228.5	169.9	132.8	111.3	140.6	144.5	113.3	76.2	72.3
75°	3524.9	804.6	171.9	123.0	82.0	78.1	109.4	109.4	78.1	50.8	46.9
77.5°	1480.3	335.9	121.1	80.1	46.9	44.9	74.2	68.4	39.1	23.4	23.4
80°	427.7	150.4	64.4	39.1	19.5	17.6	29.3	21.5	9.8	3.9	3.9
82.5°	167.9	66.4	25.4	15.6	7.8	7.8	3.9	0.0	0.0	0.0	0.0
85°	99.6	27.3	11.7	5.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	25.4	5.9	3.9	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)