

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: P942285

Luminaire Tested: **GALN-SB6B-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27950 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 220.4
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

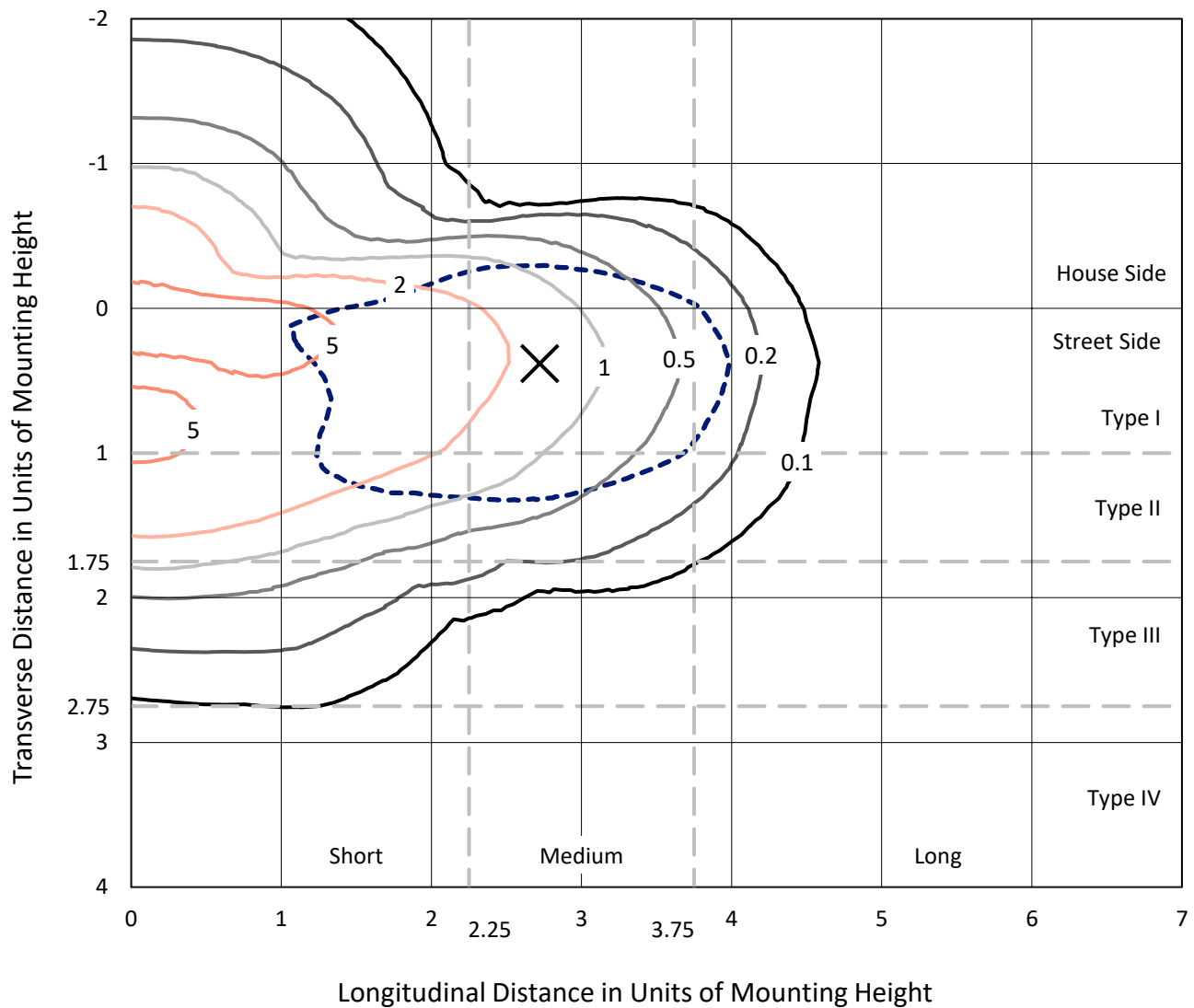


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

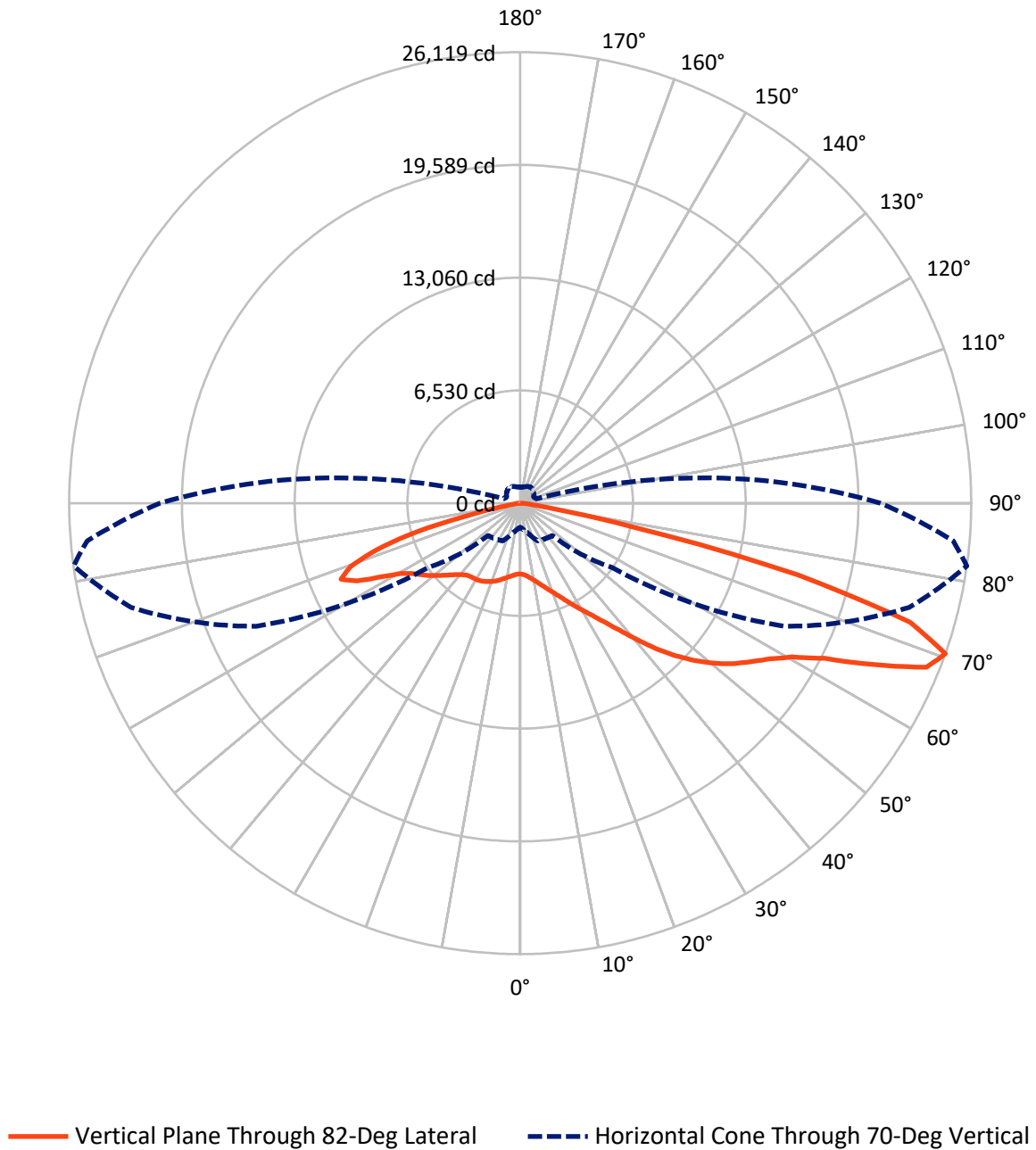


Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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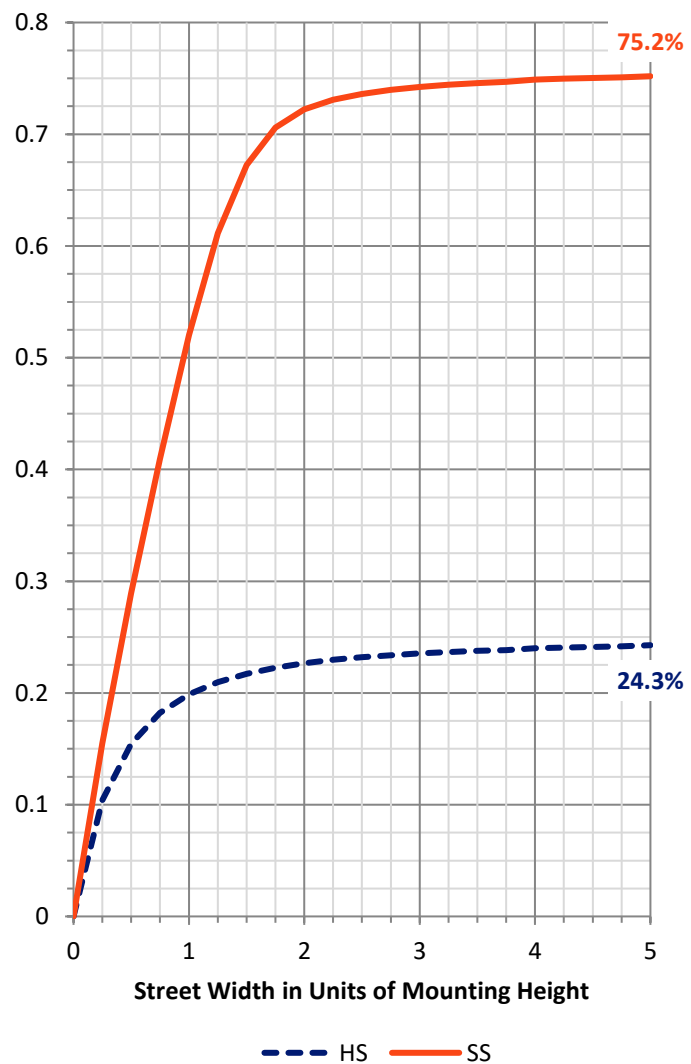
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6890.4	0.0	6890.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	21059.6	0.0	21059.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	27950.0	0.0	27950.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	386.9	1.4
10°-20°	1111.6	4.0
20°-30°	1859.6	6.7
30°-40°	2905.2	10.4
40°-50°	4626.8	16.6
50°-60°	6438.8	23.0
60°-70°	6735.3	24.1
70°-80°	3520.2	12.6
80°-90°	365.5	1.3
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°	27950.0	100.0
0°-180°	27950.0	100.0

Coefficient of Utilization



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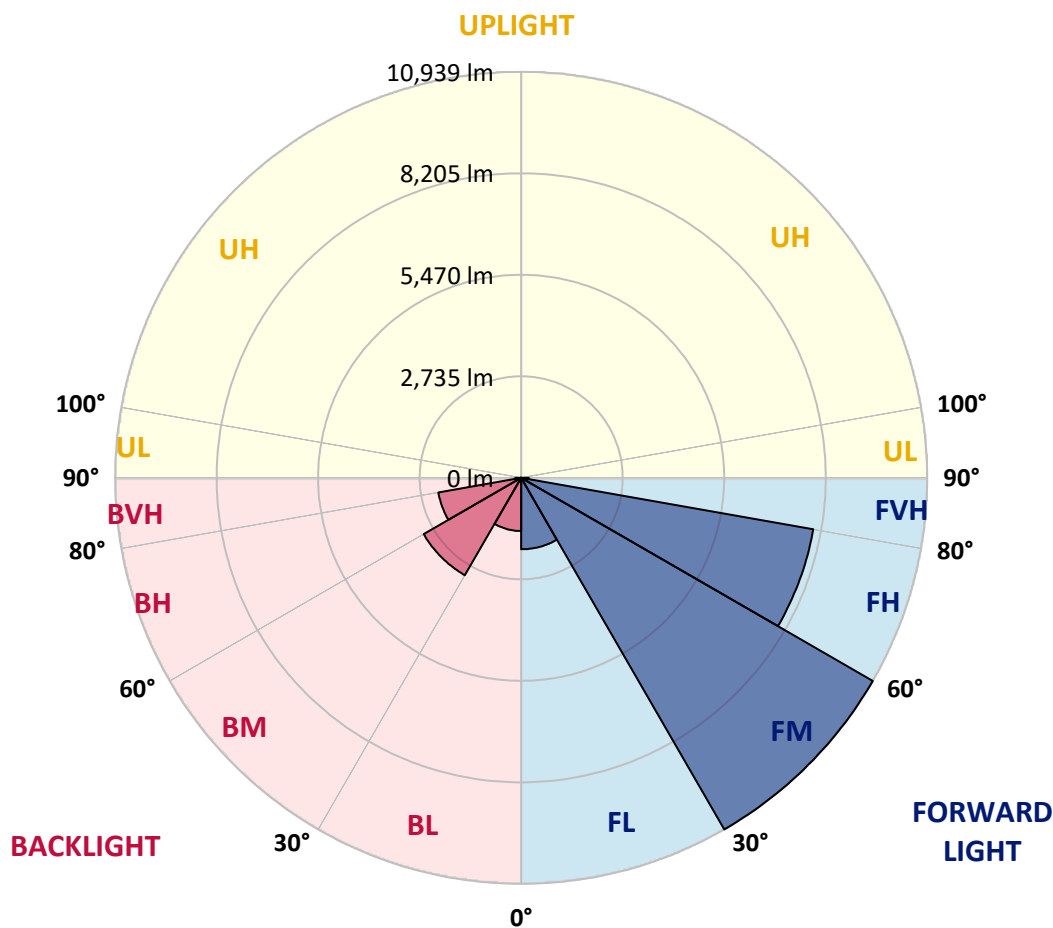
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1924.7	6.9			
FM	(30°-60°)	10939.3	39.1			
FH	(60°-80°)	7991.0	28.6			G4/12000
FVH	(80°-90°)	204.6	0.7			G2/225
BL	(0°-30°)	1433.4	5.1	B3/2500		
BM	(30°-60°)	3031.5	10.8	B3/5000		
BH	(60°-80°)	2264.5	8.1	B3/2500		G3/2500
BVH	(80°-90°)	160.9	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	4097.8	4097.8	4097.8	4097.8	4097.8	4097.8	4097.8	4097.8	4097.8	4097.8	4097.8
2.5°	4195.7	4219.4	4212.0	4204.6	4204.6	4194.2	4192.7	4177.9	4166.0	4146.8	4142.3
5°	4249.1	4274.3	4271.3	4277.3	4296.6	4301.0	4305.5	4296.6	4272.8	4249.1	4238.7
7.5°	4201.6	4229.8	4238.7	4274.3	4333.6	4387.0	4427.1	4443.4	4421.1	4387.0	4370.7
10°	4041.5	4072.6	4103.8	4188.3	4293.6	4419.7	4526.4	4590.2	4585.8	4553.1	4525.0
12.5°	3716.7	3749.3	3816.0	3980.7	4173.5	4395.9	4594.7	4728.1	4774.1	4750.4	4701.4
15°	3457.1	3485.3	3535.7	3704.8	3955.4	4293.6	4619.9	4879.4	4996.6	4983.2	4923.9
17.5°	3449.7	3461.6	3492.7	3572.8	3765.6	4133.4	4593.2	5027.7	5251.7	5250.2	5176.0
20°	3580.2	3584.7	3602.5	3618.8	3728.5	4011.8	4525.0	5150.8	5537.9	5537.9	5457.8
22.5°	3761.2	3758.2	3776.0	3761.2	3814.5	4001.4	4481.9	5259.1	5856.8	5880.5	5779.7
25°	4032.6	4017.7	4013.3	3979.2	3989.6	4097.8	4529.4	5382.2	6235.0	6283.9	6157.9
27.5°	4394.4	4370.7	4354.4	4275.8	4249.1	4296.6	4674.7	5530.5	6656.2	6740.7	6580.5
30°	4866.1	4823.1	4799.3	4662.9	4566.5	4573.9	4894.2	5727.8	7096.7	7233.1	7029.9
32.5°	5509.7	5443.0	5379.2	5155.3	4978.8	4920.9	5177.5	6000.6	7574.2	7792.2	7531.2
35°	6230.5	6177.1	6108.9	5763.3	5491.9	5358.5	5560.2	6381.8	8133.3	8478.9	8139.3
37.5°	6924.6	6878.6	6911.3	6445.6	6095.6	5901.3	6061.5	6893.5	8823.0	9333.2	8901.6
40°	7642.4	7606.8	7611.3	7166.4	6758.5	6540.5	6669.5	7535.7	9613.5	10349.1	9818.2
42.5°	8422.6	8395.9	8306.9	7912.4	7454.1	7250.9	7369.5	8277.2	10461.8	11505.9	10823.7
45°	9296.1	9279.8	9196.7	8744.4	8219.4	7991.0	8151.1	9095.9	11314.6	12594.5	11833.7
47.5°	10051.0	10064.4	10054.0	9672.8	9128.5	8793.3	8984.7	9950.2	12108.1	13617.9	12802.2
50°	10414.4	10484.1	10586.4	10467.8	10129.6	9788.5	9825.6	10774.8	12864.5	14577.4	13730.6
52.5°	10224.5	10356.5	10635.3	10825.2	10955.7	10884.5	10785.1	11593.4	13576.3	15443.6	14608.6
55°	9517.1	9702.5	10165.2	10623.5	11289.4	11807.0	11937.5	12501.1	14270.4	16205.9	15439.1
57.5°	8228.3	8529.3	8944.6	9871.5	10992.8	12253.4	13281.2	13760.2	15006.1	17020.1	16308.2
60°	6018.4	6421.8	6938.0	8317.3	9954.6	12014.6	14424.7	15694.2	16051.6	18074.6	17439.8
62.5°	3851.6	4100.8	4575.4	5874.6	7756.6	10791.1	14774.7	18111.7	17824.0	19803.9	19136.5
65°	2637.0	2797.1	3231.7	3961.4	5014.4	8032.5	13837.4	19924.0	20638.9	22544.7	22037.5
67.5°	1916.2	2037.8	2408.6	3047.8	3267.3	4753.4	10737.7	19841.0	23375.2	25368.5	24579.5
70°	1397.1	1483.1	1794.6	2408.6	2513.9	2644.4	6504.9	16865.9	23315.9	26119.0	25174.2
72.5°	1035.2	1094.5	1303.6	1868.7	2034.8	1785.7	3219.8	12257.9	20035.3	23624.4	22866.5
75°	749.0	793.5	947.7	1429.7	1628.4	1360.0	1606.2	7163.4	13975.3	16618.2	16751.7
77.5°	572.5	606.6	707.4	1047.1	1303.6	1020.4	996.6	3295.5	6626.5	6659.1	7032.9
80°	459.8	482.0	536.9	737.1	999.6	763.8	649.6	1330.3	2094.1	1772.3	1859.8
82.5°	338.1	375.2	453.8	517.6	714.9	526.5	396.0	671.8	796.4	685.2	691.1
85°	192.8	218.0	274.4	370.8	456.8	321.8	226.9	298.1	370.8	304.0	271.4
87.5°	68.2	89.0	96.4	145.3	198.7	133.5	87.5	86.0	121.6	90.5	75.6
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°	4097.8	4097.8	4097.8	4097.8	4097.8	4097.8	4097.8	4097.8	4097.8	4097.8	4097.8
2.5°	4127.5	4120.1	4090.4	4050.4	4008.8	3968.8	3955.4	3927.3	3908.0	3897.6	3909.5
5°	4210.5	4186.8	4117.1	4028.1	3934.7	3833.8	3762.6	3697.4	3649.9	3605.4	3623.2
7.5°	4329.2	4287.7	4167.5	4011.8	3845.7	3678.1	3553.5	3458.6	3394.8	3353.3	3362.2
10°	4467.1	4403.3	4219.4	3986.6	3730.0	3489.7	3342.9	3261.3	3221.3	3199.1	3205.0
12.5°	4625.8	4535.3	4272.8	3928.7	3553.5	3279.1	3178.3	3154.6	3156.0	3157.5	3160.5
15°	4821.6	4695.5	4315.8	3802.7	3323.6	3117.5	3099.7	3138.3	3178.3	3197.6	3196.1
17.5°	5042.6	4864.6	4323.3	3595.0	3098.2	3013.7	3070.0	3153.1	3213.9	3240.6	3246.5
20°	5279.9	5036.6	4269.9	3301.4	2912.8	2929.1	3030.0	3136.8	3203.5	3237.6	3246.5
22.5°	5551.3	5220.5	4142.3	2992.9	2761.5	2837.2	2955.8	3059.6	3129.4	3163.5	3172.4
25°	5861.2	5426.7	3942.1	2733.4	2631.0	2733.4	2852.0	2938.0	2994.4	3025.5	3034.4
27.5°	6205.3	5641.7	3675.1	2527.2	2516.8	2626.6	2724.5	2791.2	2820.9	2844.6	2853.5
30°	6550.9	5837.5	3351.8	2371.5	2417.5	2521.3	2591.0	2620.6	2629.5	2634.0	2644.4
32.5°	6924.6	6006.6	3012.2	2242.5	2322.5	2418.9	2460.5	2473.8	2432.3	2404.1	2413.0
35°	7377.0	6187.5	2680.0	2140.1	2229.1	2312.2	2325.5	2313.6	2264.7	2206.9	2209.8
37.5°	7936.1	6412.9	2414.5	2067.4	2141.6	2196.5	2180.2	2177.2	2181.6	2113.4	2117.9
40°	8621.3	6706.6	2220.2	2011.1	2070.4	2082.3	2036.3	2061.5	2083.8	1979.9	1982.9
42.5°	9382.1	7061.1	2097.1	1972.5	2011.1	1982.9	1911.7	1939.9	1936.9	1800.5	1799.0
45°	10157.8	7446.7	2054.1	1944.4	1956.2	1899.9	1821.3	1828.7	1766.4	1643.3	1647.7
47.5°	10929.0	7860.5	2080.8	1920.6	1888.0	1824.2	1763.4	1730.8	1638.8	1546.9	1546.9
50°	11685.4	8295.0	2178.7	1873.2	1794.6	1757.5	1713.0	1655.1	1557.3	1478.7	1472.7
52.5°	12386.9	8732.5	2288.4	1794.6	1677.4	1699.6	1671.5	1604.7	1508.3	1428.2	1429.7
55°	13051.3	9170.0	2331.4	1686.3	1567.6	1649.2	1632.9	1509.8	1394.1	1328.9	1322.9
57.5°	13775.1	9696.5	2284.0	1548.4	1478.7	1591.4	1529.1	1392.6	1325.9	1277.0	1272.5
60°	14777.7	10522.6	2181.6	1377.8	1394.1	1505.4	1398.6	1342.2	1269.5	1214.7	1211.7
62.5°	16443.2	12063.6	2017.0	1208.7	1294.8	1377.8	1336.3	1279.9	1205.8	1152.4	1152.4
65°	18905.1	14205.2	1707.1	1076.7	1183.5	1253.2	1269.5	1213.2	1136.1	1079.7	1082.7
67.5°	20981.5	15548.9	1291.8	967.0	1069.3	1152.4	1198.3	1143.5	1061.9	1007.0	1008.5
70°	20867.3	14573.0	986.3	858.7	968.5	1053.0	1112.3	1069.3	981.8	929.9	934.4
72.5°	18534.4	12191.1	797.9	749.0	866.1	949.2	1020.4	987.7	898.8	848.3	848.3
75°	13616.4	8653.9	637.7	637.7	738.6	840.9	919.5	898.8	817.2	781.6	771.2
77.5°	5739.6	3630.6	499.8	529.5	614.0	722.3	820.2	827.6	756.4	800.9	726.7
80°	1526.1	1001.1	381.2	416.8	482.0	596.2	713.4	710.4	633.3	591.8	550.2
82.5°	581.4	394.5	271.4	293.7	348.5	456.8	565.1	582.9	505.7	437.5	437.5
85°	223.9	169.1	167.6	176.5	203.2	302.6	427.1	442.0	381.2	323.3	333.7
87.5°	57.8	50.4	62.3	59.3	93.4	161.7	244.7	253.6	232.8	135.0	192.8
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)