

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: P942455

Luminaire Tested: **GALN-SB6C-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942455
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-SB6C-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37173 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

Input Watts (W): 300.9
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



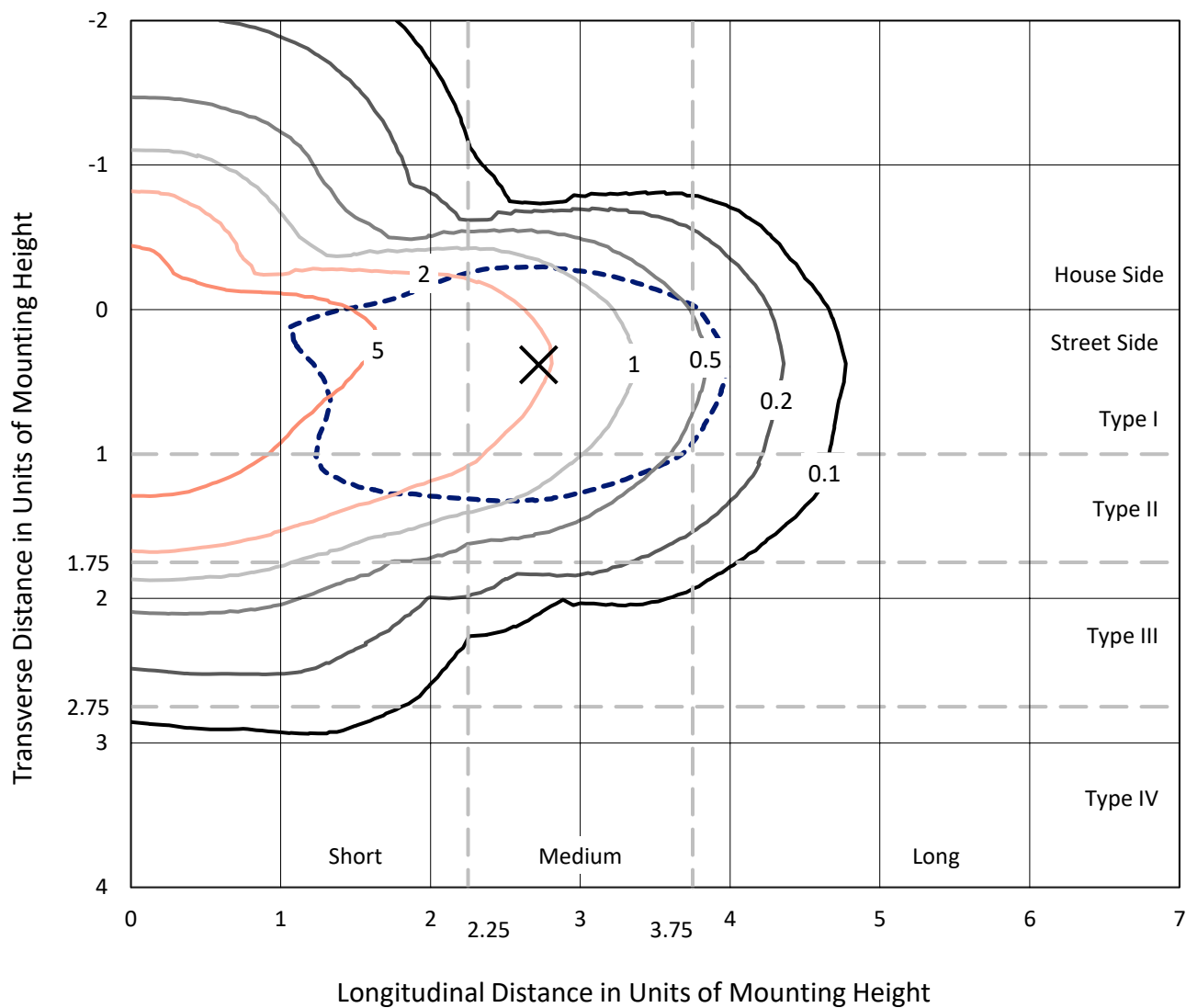
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

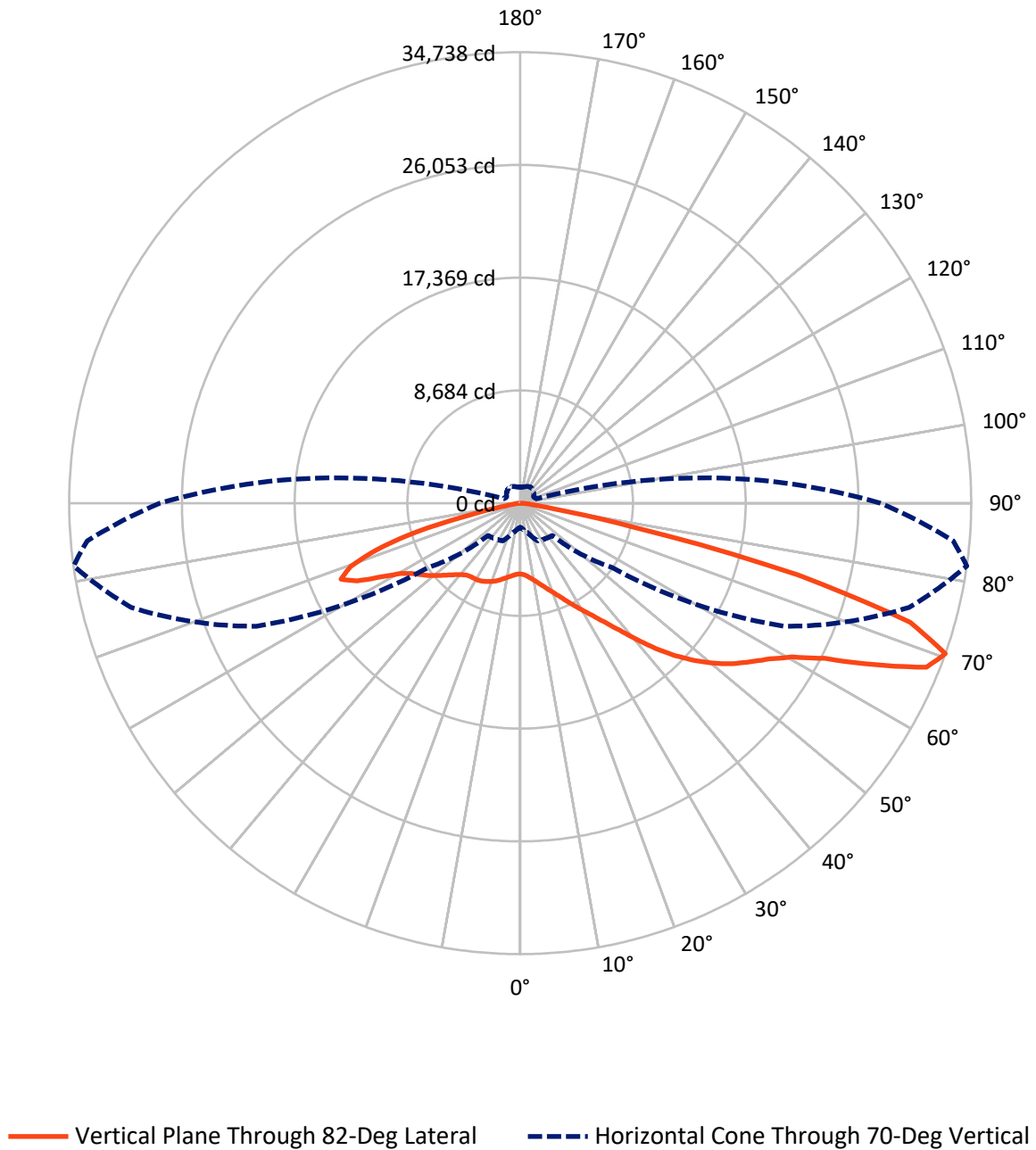


Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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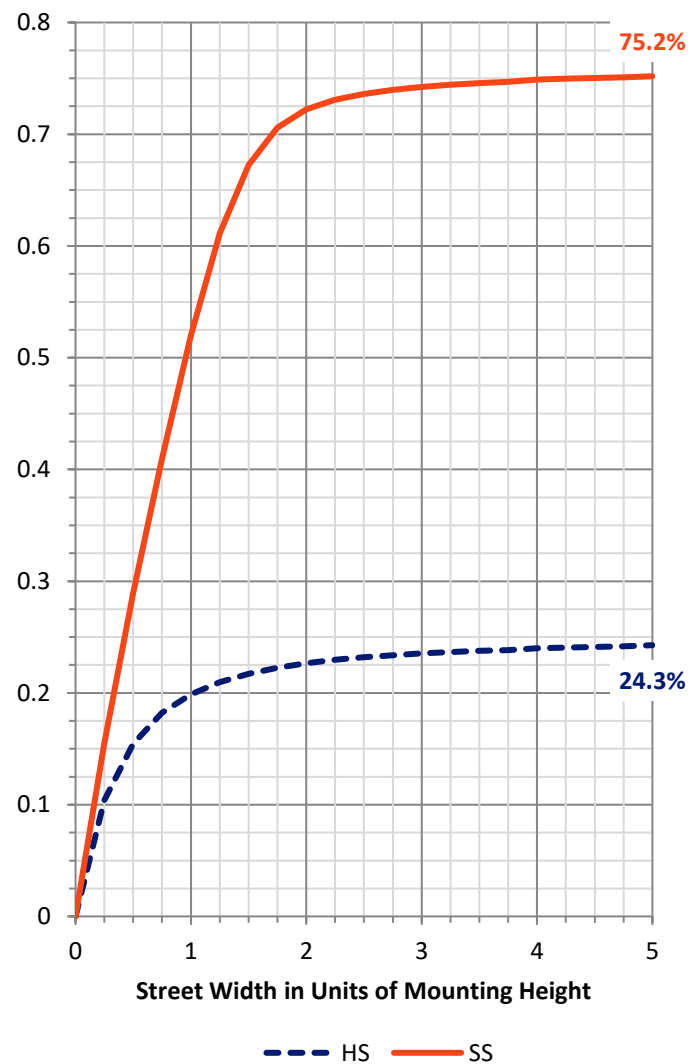
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9164.1	0.0	9164.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	28008.9	0.0	28008.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	37173.0	0.0	37173.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	514.6	1.4
10°-20°	1478.4	4.0
20°-30°	2473.2	6.7
30°-40°	3863.8	10.4
40°-50°	6153.6	16.6
50°-60°	8563.5	23.0
60°-70°	8957.8	24.1
70°-80°	4681.8	12.6
80°-90°	486.2	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°	37173.0	100.0
0°-180°	37173.0	100.0

Coefficient of Utilization



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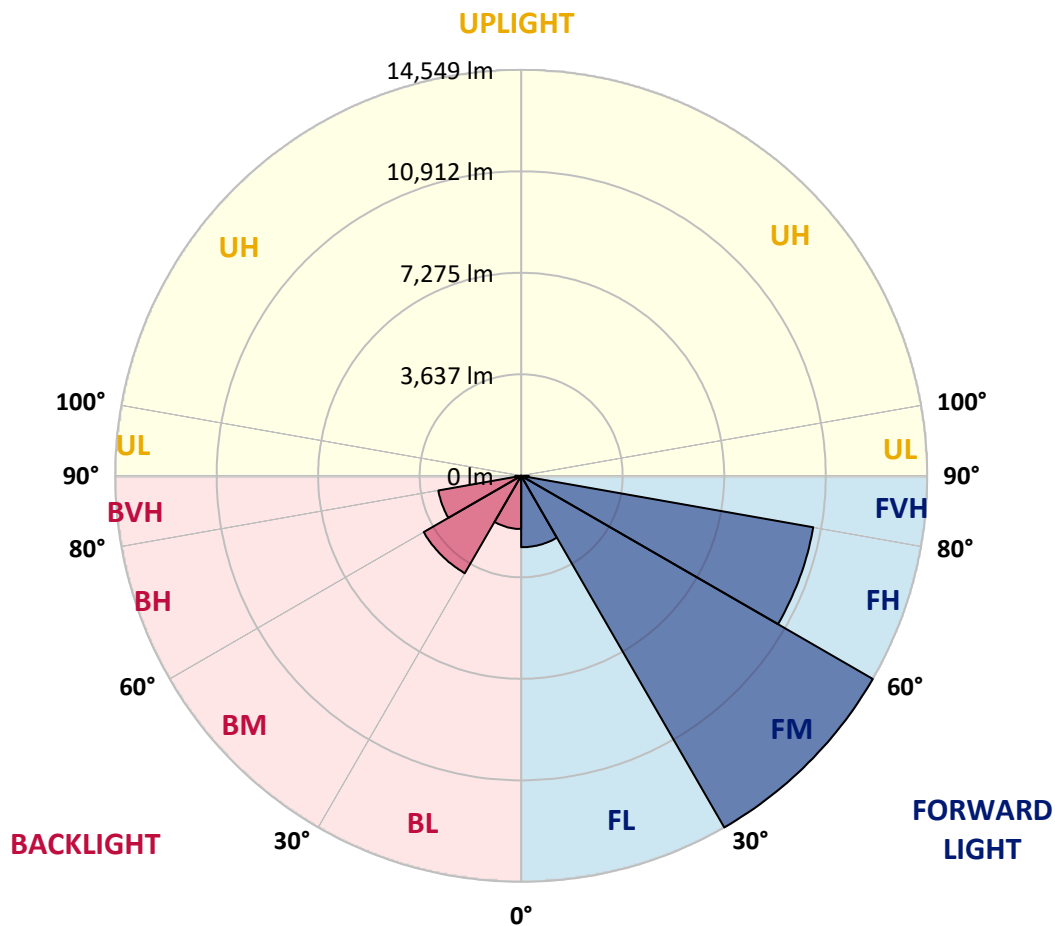
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2559.8	6.9			
FM	(30°-60°)	14549.1	39.1			
FH	(60°-80°)	10627.9	28.6			G4/12000
FVH	(80°-90°)	272.1	0.7			G3/500
BL	(0°-30°)	1906.5	5.1	B3/2500		
BM	(30°-60°)	4031.8	10.8	B3/5000		
BH	(60°-80°)	3011.8	8.1	B4/5000		G4/5000
BVH	(80°-90°)	214.0	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	5450.0	5450.0	5450.0	5450.0	5450.0	5450.0	5450.0	5450.0	5450.0	5450.0	5450.0
2.5°	5580.2	5611.8	5601.9	5592.0	5592.0	5578.2	5576.3	5556.5	5540.8	5515.1	5509.2
5°	5651.2	5684.8	5680.8	5688.7	5714.3	5720.3	5726.2	5714.3	5682.8	5651.2	5637.4
7.5°	5588.1	5625.6	5637.4	5684.8	5763.7	5834.7	5887.9	5909.6	5880.0	5834.7	5813.0
10°	5375.1	5416.5	5457.9	5570.3	5710.4	5878.1	6020.1	6104.9	6099.0	6055.6	6018.1
12.5°	4943.1	4986.5	5075.3	5294.2	5550.6	5846.5	6110.8	6288.3	6349.5	6317.9	6252.8
15°	4597.9	4635.4	4702.4	4927.3	5260.7	5710.4	6144.3	6489.5	6645.4	6627.6	6548.7
17.5°	4588.0	4603.8	4645.2	4751.8	5008.2	5497.4	6108.8	6686.8	6984.6	6982.7	6884.0
20°	4761.6	4767.5	4791.2	4812.9	4958.9	5335.6	6018.1	6850.5	7365.3	7365.3	7258.8
22.5°	5002.3	4998.3	5022.0	5002.3	5073.3	5321.8	5960.9	6994.5	7789.4	7821.0	7686.8
25°	5363.2	5343.5	5337.6	5292.2	5306.0	5450.0	6024.0	7158.2	8292.4	8357.5	8189.8
27.5°	5844.5	5813.0	5791.3	5686.7	5651.2	5714.3	6217.3	7355.5	8852.6	8965.0	8752.0
30°	6471.8	6414.6	6383.0	6201.6	6073.3	6083.2	6509.3	7617.8	9438.4	9619.9	9349.7
32.5°	7327.8	7239.1	7154.3	6856.4	6621.7	6544.8	6886.0	7980.7	10073.6	10363.5	10016.4
35°	8286.5	8215.5	8124.7	7665.1	7304.2	7126.7	7394.9	8487.7	10817.2	11276.8	10825.1
37.5°	9209.6	9148.5	9191.9	8572.5	8107.0	7848.6	8061.6	9168.2	11734.4	12413.0	11839.0
40°	10164.3	10117.0	10122.9	9531.1	8988.7	8698.7	8870.3	10022.3	12785.8	13764.1	13058.0
42.5°	11201.8	11166.3	11048.0	10523.3	9913.8	9643.6	9801.4	11008.5	13914.0	15302.7	14395.3
45°	12363.7	12342.0	12231.5	11629.9	10931.6	10627.8	10840.9	12097.4	15048.2	16750.5	15738.6
47.5°	13367.7	13385.4	13371.6	12864.7	12140.8	11695.0	11949.4	13233.5	16103.5	18111.5	17026.6
50°	13850.9	13943.6	14079.7	13921.9	13472.2	13018.5	13067.8	14330.2	17109.5	19387.7	18261.4
52.5°	13598.4	13774.0	14144.8	14397.3	14570.9	14476.2	14344.0	15419.1	18056.3	20539.7	19429.2
55°	12657.6	12904.1	13519.5	14129.0	15014.7	15703.1	15876.7	16626.2	18979.4	21553.5	20533.8
57.5°	10943.4	11343.9	11896.2	13129.0	14620.2	16296.8	17663.8	18300.9	19957.8	22636.4	21689.6
60°	8004.4	8540.9	9227.4	11061.8	13239.4	15979.2	19184.6	20873.0	21348.4	24038.9	23194.7
62.5°	5122.6	5454.0	6085.2	7813.1	10316.2	14351.9	19650.1	24088.2	23705.5	26338.8	25451.2
65°	3507.1	3720.1	4298.1	5268.6	6669.0	10683.1	18403.5	26498.6	27449.4	29984.0	29309.4
67.5°	2548.5	2710.2	3203.3	4053.5	4345.4	6321.9	14280.9	26388.1	31088.6	33739.7	32690.3
70°	1858.1	1972.5	2386.7	3203.3	3343.4	3517.0	8651.4	22431.3	31009.7	34737.8	33481.3
72.5°	1376.8	1455.7	1733.8	2485.4	2706.3	2374.9	4282.3	16302.7	26646.5	31420.0	30412.1
75°	996.1	1055.3	1260.4	1901.5	2165.8	1808.8	2136.2	9527.2	18586.9	22101.9	22279.4
77.5°	761.4	806.8	940.9	1392.6	1733.8	1357.1	1325.5	4382.9	8813.1	8856.5	9353.6
80°	611.5	641.1	714.0	980.3	1329.5	1015.8	864.0	1769.3	2785.2	2357.1	2473.5
82.5°	449.7	499.0	603.6	688.4	950.7	700.2	526.7	893.5	1059.2	911.3	919.2
85°	256.4	290.0	364.9	493.1	607.5	428.0	301.8	396.5	493.1	404.4	361.0
87.5°	90.7	118.4	128.2	193.3	264.3	177.5	116.4	114.4	161.7	120.3	100.6
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°	5450.0	5450.0	5450.0	5450.0	5450.0	5450.0	5450.0	5450.0	5450.0	5450.0	5450.0
2.5°	5489.5	5479.6	5440.2	5386.9	5331.7	5278.4	5260.7	5223.2	5197.5	5183.7	5199.5
5°	5599.9	5568.4	5475.7	5357.3	5233.1	5098.9	5004.2	4917.5	4854.3	4795.2	4818.8
7.5°	5757.7	5702.5	5542.7	5335.6	5114.7	4891.8	4726.1	4599.9	4515.1	4459.8	4471.7
10°	5941.2	5856.4	5611.8	5302.1	4960.8	4641.3	4446.0	4337.5	4284.3	4254.7	4262.6
12.5°	6152.2	6031.9	5682.8	5225.2	4726.1	4361.2	4227.1	4195.5	4197.5	4199.5	4203.4
15°	6412.6	6244.9	5740.0	5057.5	4420.4	4146.2	4122.5	4173.8	4227.1	4252.7	4250.7
17.5°	6706.5	6469.8	5749.8	4781.3	4120.6	4008.1	4083.1	4193.5	4274.4	4309.9	4317.8
20°	7022.1	6698.6	5678.8	4390.8	3874.0	3895.7	4029.8	4171.8	4260.6	4306.0	4317.8
22.5°	7383.1	6943.2	5509.2	3980.5	3672.8	3773.4	3931.2	4069.3	4162.0	4207.3	4219.2
25°	7795.3	7217.4	5242.9	3635.3	3499.2	3635.3	3793.1	3907.5	3982.5	4023.9	4035.7
27.5°	8253.0	7503.4	4887.9	3361.1	3347.3	3493.3	3623.5	3712.3	3751.7	3783.3	3795.1
30°	8712.5	7763.8	4457.9	3154.0	3215.2	3353.3	3446.0	3485.4	3497.2	3503.2	3517.0
32.5°	9209.6	7988.6	4006.2	2982.4	3088.9	3217.2	3272.4	3290.1	3234.9	3197.4	3209.3
35°	9811.2	8229.3	3564.3	2846.3	2964.7	3075.1	3092.9	3077.1	3012.0	2935.1	2939.0
37.5°	10554.9	8529.1	3211.2	2749.7	2848.3	2921.3	2899.6	2895.6	2901.6	2810.8	2816.7
40°	11466.2	8919.7	2952.8	2674.7	2753.6	2769.4	2708.2	2741.8	2771.4	2633.3	2637.2
42.5°	12478.1	9391.1	2789.1	2623.4	2674.7	2637.2	2542.6	2580.0	2576.1	2394.6	2392.6
45°	13509.7	9903.9	2731.9	2586.0	2601.7	2526.8	2422.2	2432.1	2349.3	2185.5	2191.5
47.5°	14535.4	10454.3	2767.4	2554.4	2511.0	2426.2	2345.3	2301.9	2179.6	2057.3	2057.3
50°	15541.4	11032.2	2897.6	2491.3	2386.7	2337.4	2278.2	2201.3	2071.1	1966.6	1958.7
52.5°	16474.3	11614.1	3043.6	2386.7	2230.9	2260.5	2223.0	2134.2	2006.0	1899.5	1901.5
55°	17358.0	12196.0	3100.8	2242.7	2084.9	2193.4	2171.7	2008.0	1854.2	1767.4	1759.5
57.5°	18320.6	12896.2	3037.7	2059.3	1966.6	2116.5	2033.7	1852.2	1763.4	1698.3	1692.4
60°	19654.0	13994.9	2901.6	1832.5	1854.2	2002.1	1860.1	1785.1	1688.5	1615.5	1611.5
62.5°	21869.1	16044.3	2682.6	1607.6	1722.0	1832.5	1777.2	1702.3	1603.6	1532.6	1532.6
65°	25143.5	18892.6	2270.4	1432.0	1574.1	1666.8	1688.5	1613.5	1510.9	1436.0	1439.9
67.5°	27905.0	20679.7	1718.1	1286.1	1422.2	1532.6	1593.8	1520.8	1412.3	1339.3	1341.3
70°	27753.1	19381.8	1311.7	1142.1	1288.0	1400.5	1479.4	1422.2	1305.8	1236.8	1242.7
72.5°	24650.4	16214.0	1061.2	996.1	1151.9	1262.4	1357.1	1313.7	1195.3	1128.3	1128.3
75°	18109.6	11509.6	848.2	848.2	982.3	1118.4	1223.0	1195.3	1086.8	1039.5	1025.7
77.5°	7633.6	4828.7	664.7	704.2	816.6	960.6	1090.8	1100.7	1006.0	1065.2	966.5
80°	2029.7	1331.4	506.9	554.3	641.1	792.9	948.8	944.8	842.3	787.0	731.8
82.5°	773.2	524.7	361.0	390.6	463.5	607.5	751.5	775.2	672.6	581.9	581.9
85°	297.8	224.9	222.9	234.7	270.2	402.4	568.1	587.8	506.9	430.0	443.8
87.5°	76.9	67.1	82.8	78.9	124.3	215.0	325.5	337.3	309.7	179.5	256.4
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)