

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: P942625

Luminaire Tested: **GALN-SB6D-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942625
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-SB6D-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50509 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 440.1
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



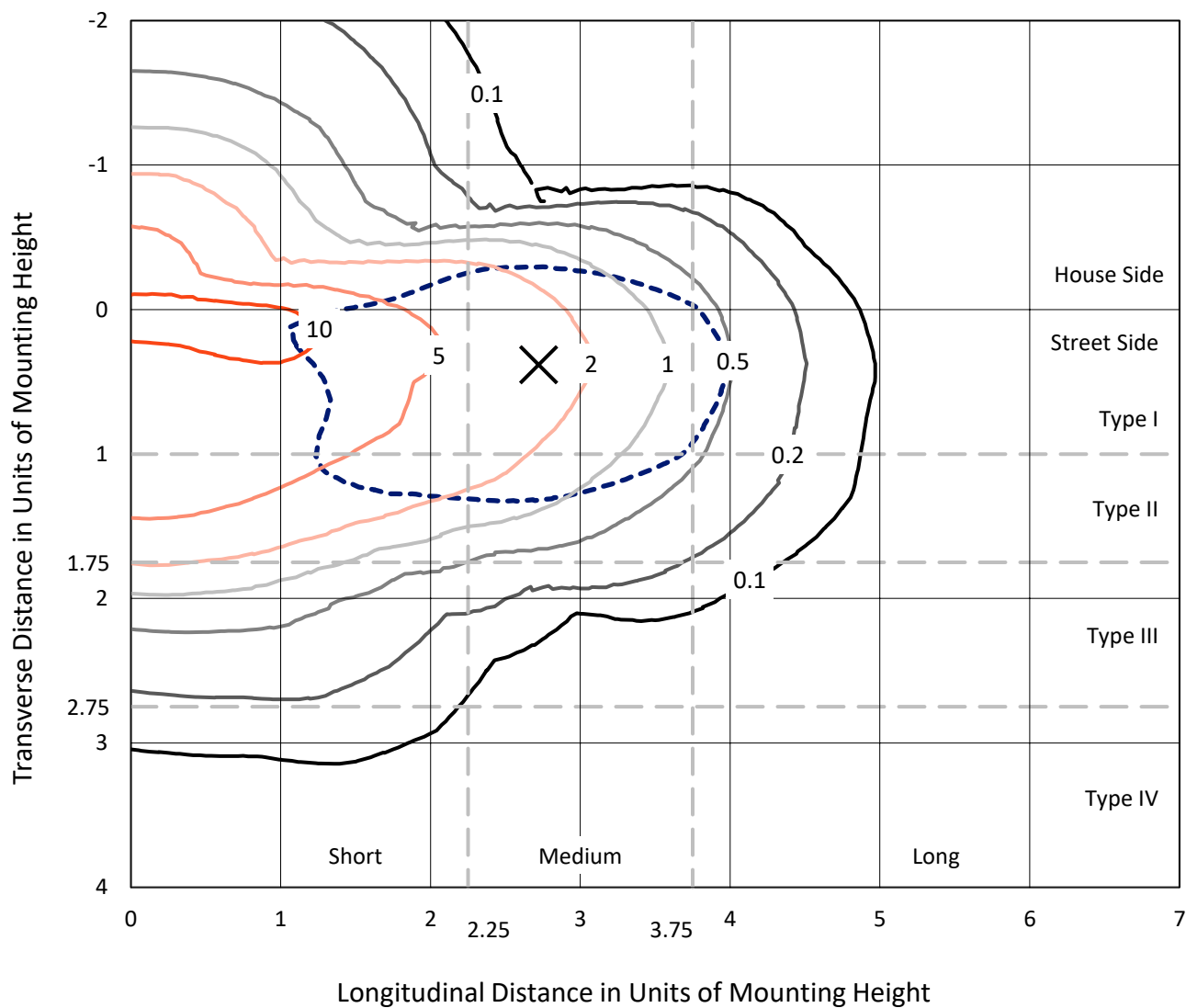
REPORT NUMBER: P942625

CATALOG NUMBER: GALN-SB6D-722-U-T2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

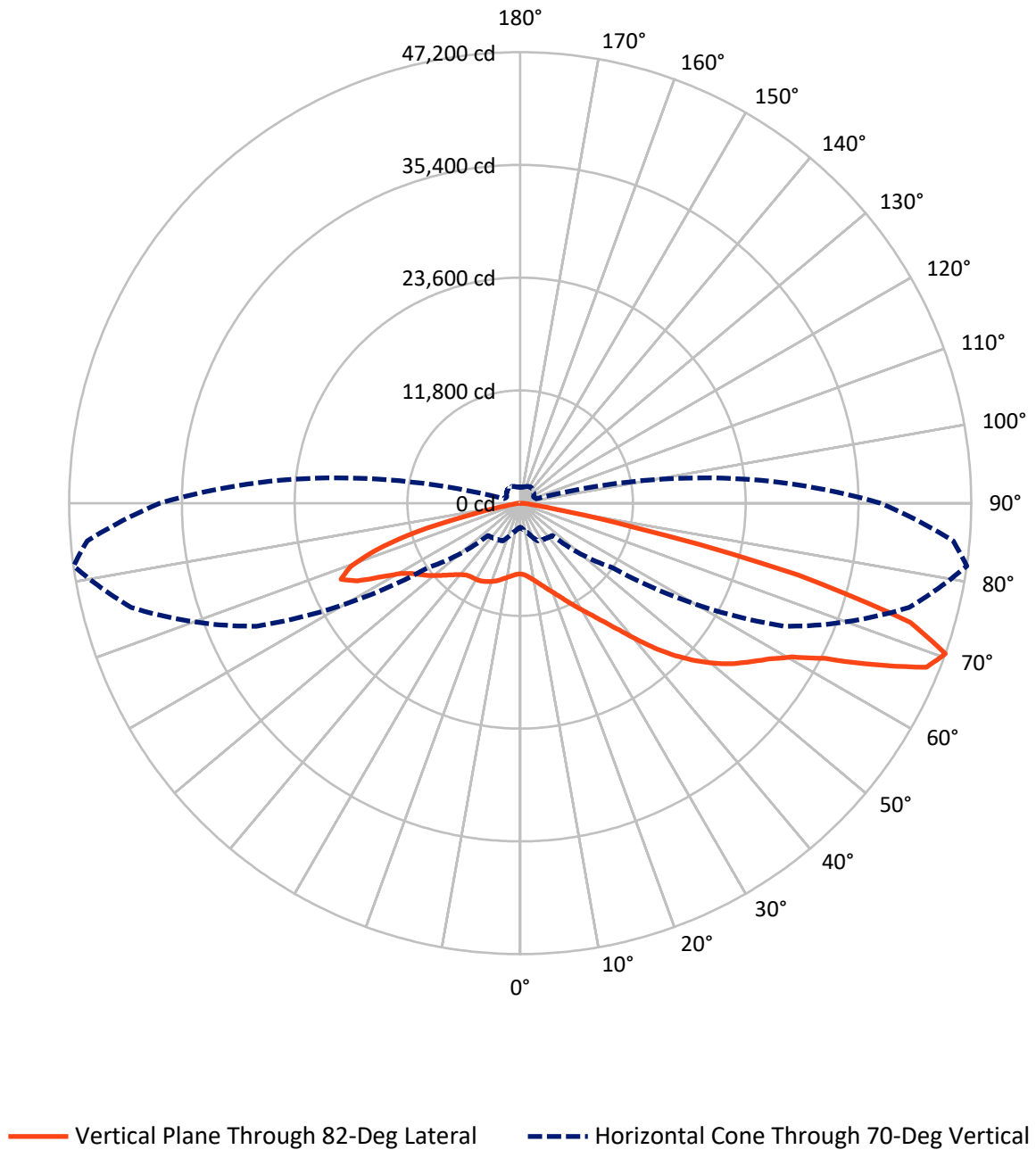


Based on 25 foot mounting height. Maximum calculated value = 13.5 fc
 Type II - Medium - N/A

REPORT NUMBER: P942625

CATALOG NUMBER: GALN-SB6D-722-U-T2

Luminous Intensity Polar Plot



REPORT NUMBER: P942625

CATALOG NUMBER: GALN-SB6D-722-U-T2

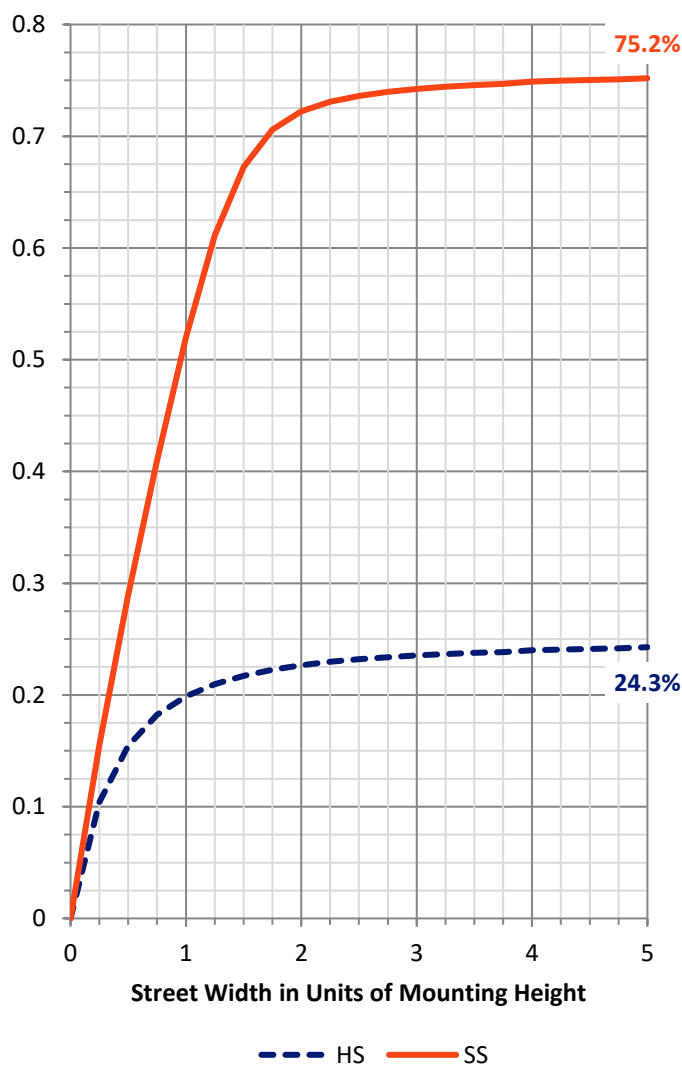
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12451.7	0.0	12451.7
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	38057.3	0.0	38057.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	50509.0	0.0	50509.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	699.2	1.4
10°-20°	2008.8	4.0
20°-30°	3360.5	6.7
30°-40°	5250.0	10.4
40°-50°	8361.3	16.6
50°-60°	11635.7	23.0
60°-70°	12171.5	24.1
70°-80°	6361.5	12.6
80°-90°	660.6	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°	50509.0	100.0
0°-180°	50509.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942625

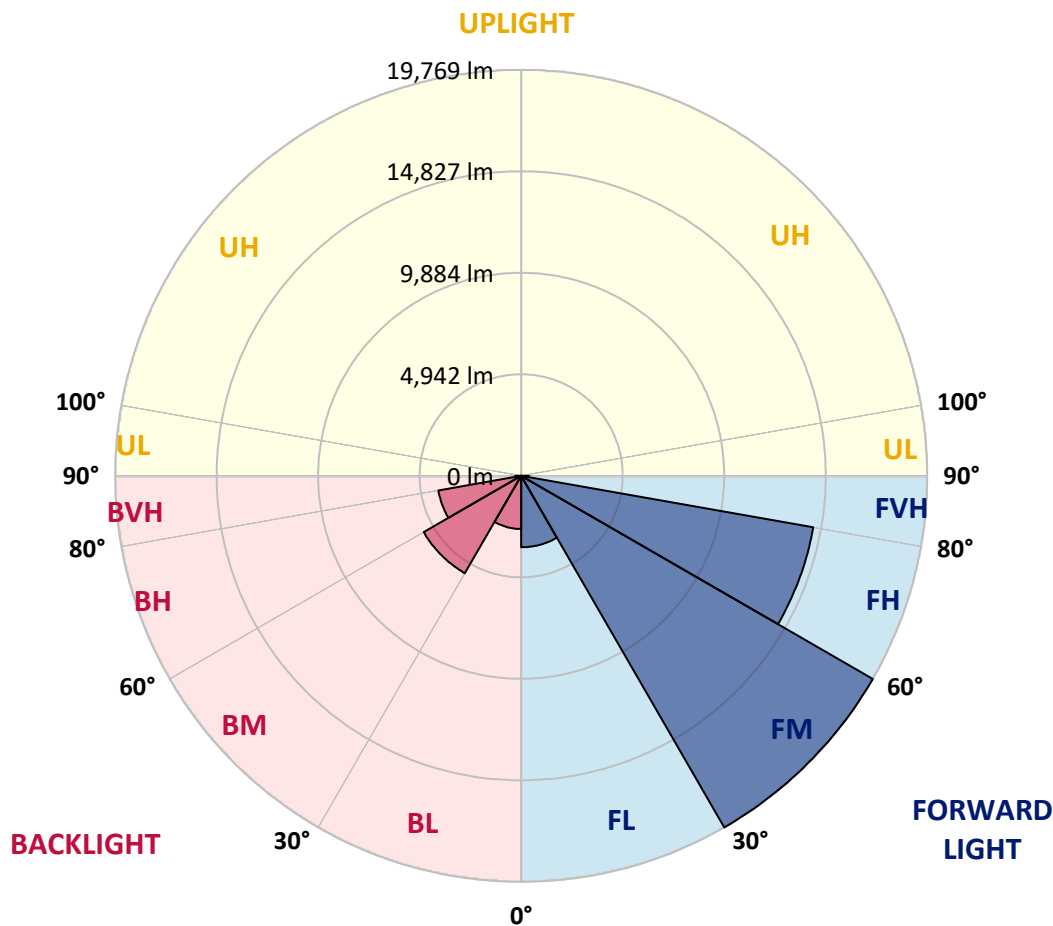
CATALOG NUMBER: GALN-SB6D-722-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3478.1	6.9			
FM	(30°-60°)	19768.7	39.1			
FH	(60°-80°)	14440.7	28.6			G5
FVH	(80°-90°)	369.8	0.7			G3/500
BL	(0°-30°)	2590.4	5.1	B4/5000		
BM	(30°-60°)	5478.3	10.8	B4/8500		
BH	(60°-80°)	4092.3	8.1	B4/5000		G4/5000
BVH	(80°-90°)	290.8	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type II Medium



REPORT NUMBER: P942625

CATALOG NUMBER: GALN-SB6D-722-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	7405.3	7405.3	7405.3	7405.3	7405.3	7405.3	7405.3	7405.3	7405.3	7405.3	7405.3
2.5°	7582.1	7625.0	7611.6	7598.2	7598.2	7579.5	7576.8	7550.0	7528.5	7493.7	7485.7
5°	7678.6	7724.2	7718.8	7729.5	7764.4	7772.4	7780.5	7764.4	7721.5	7678.6	7659.9
7.5°	7592.9	7643.8	7659.9	7724.2	7831.4	7927.9	8000.2	8029.7	7989.5	7927.9	7898.4
10°	7303.4	7359.7	7416.0	7568.7	7759.0	7986.8	8179.8	8295.1	8287.0	8228.1	8177.1
12.5°	6716.5	6775.4	6896.0	7193.5	7541.9	7944.0	8303.1	8544.3	8627.4	8584.5	8496.1
15°	6247.4	6298.3	6389.5	6695.0	7148.0	7759.0	8348.7	8817.7	9029.4	9005.3	8898.1
17.5°	6234.0	6255.5	6311.8	6456.5	6804.9	7469.6	8300.4	9085.7	9490.4	9487.7	9353.7
20°	6469.9	6477.9	6510.1	6539.6	6737.9	7249.8	8177.1	9308.2	10007.7	10007.7	9862.9
22.5°	6796.9	6791.5	6823.7	6796.9	6893.3	7231.0	8099.4	9503.8	10583.9	10626.8	10444.5
25°	7287.3	7260.5	7252.5	7190.8	7209.6	7405.3	8185.2	9726.3	11267.3	11355.8	11128.0
27.5°	7941.3	7898.4	7868.9	7726.9	7678.6	7764.4	8447.8	9994.3	12028.5	12181.3	11891.8
30°	8793.6	8715.8	8673.0	8426.4	8252.2	8265.6	8844.5	10350.7	12824.5	13071.1	12703.9
32.5°	9956.8	9836.1	9720.9	9316.2	8997.3	8892.7	9356.4	10843.9	13687.5	14081.5	13609.8
35°	11259.3	11162.8	11039.5	10415.1	9924.6	9683.4	10047.9	11532.7	14697.9	15322.4	14708.7
37.5°	12513.6	12430.5	12489.5	11647.9	11015.4	10664.3	10953.8	12457.3	15944.2	16866.2	16086.3
40°	13810.8	13746.5	13754.5	12950.5	12213.4	11819.5	12052.6	13617.8	17372.7	18702.1	17742.6
42.5°	15220.6	15172.3	15011.5	14298.6	13470.4	13103.2	13317.7	14957.9	18905.8	20792.6	19559.7
45°	16799.2	16769.7	16619.6	15802.2	14853.4	14440.6	14730.1	16437.4	20446.9	22759.8	21384.9
47.5°	18163.4	18187.5	18168.7	17479.9	16496.3	15890.6	16236.3	17981.1	21880.7	24609.1	23135.0
50°	18820.0	18946.0	19130.9	18916.5	18305.4	17689.0	17756.0	19471.3	23247.6	26343.2	24812.8
52.5°	18476.9	18715.5	19219.3	19562.4	19798.3	19669.6	19490.0	20950.7	24534.1	27908.4	26399.5
55°	17198.5	17533.5	18369.7	19197.9	20401.3	21336.7	21572.5	22591.0	25788.4	29286.0	27900.3
57.5°	14869.5	15413.5	16164.0	17839.1	19865.3	22143.4	24000.7	24866.4	27117.7	30757.4	29470.9
60°	10876.0	11605.0	12537.7	15030.3	17989.2	21711.9	26067.1	28361.3	29007.2	32663.0	31515.9
62.5°	6960.3	7410.6	8268.3	10616.1	14017.2	19500.8	26699.6	32730.0	32210.0	35788.0	34582.0
65°	4765.3	5054.8	5840.0	7158.7	9061.6	14515.7	25005.8	36005.1	37296.9	40740.9	39824.3
67.5°	3462.8	3682.5	4352.6	5507.7	5904.4	8589.9	19404.3	35855.0	42241.8	45843.9	44418.1
70°	2524.7	2680.1	3243.0	4352.6	4542.9	4778.7	11755.1	30478.7	42134.6	47200.1	45492.8
72.5°	1870.7	1977.9	2355.9	3377.0	3677.2	3226.9	5818.6	22151.4	36206.1	42692.1	41322.5
75°	1353.5	1433.9	1712.6	2583.7	2942.8	2457.7	2902.6	12945.1	25255.0	30031.1	30272.3
77.5°	1034.5	1096.2	1278.4	1892.2	2355.9	1843.9	1801.1	5955.3	11974.9	12033.9	12709.3
80°	830.8	871.0	970.2	1332.0	1806.4	1380.3	1173.9	2404.1	3784.4	3202.8	3360.9
82.5°	611.1	678.1	820.1	935.4	1291.8	951.5	715.6	1214.1	1439.2	1238.2	1248.9
85°	348.4	394.0	495.8	670.0	825.5	581.6	410.1	538.7	670.0	549.4	490.5
87.5°	123.3	160.8	174.2	262.7	359.1	241.2	158.1	155.4	219.8	163.5	136.7
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: P942625

CATALOG NUMBER: GALN-SB6D-722-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7405.3	7405.3	7405.3	7405.3	7405.3	7405.3	7405.3	7405.3	7405.3	7405.3	7405.3
2.5°	7458.9	7445.5	7391.9	7319.5	7244.4	7172.1	7148.0	7097.0	7062.2	7043.4	7064.9
5°	7608.9	7566.1	7440.1	7279.3	7110.4	6928.2	6799.5	6681.6	6595.8	6515.4	6547.6
7.5°	7823.4	7748.3	7531.2	7249.8	6949.6	6646.8	6421.6	6250.1	6134.9	6059.8	6075.9
10°	8072.6	7957.4	7625.0	7204.2	6740.6	6306.4	6041.1	5893.6	5821.3	5781.1	5791.8
12.5°	8359.4	8195.9	7721.5	7099.7	6421.6	5925.8	5743.6	5700.7	5703.4	5706.0	5711.4
15°	8713.2	8485.4	7799.2	6871.9	6006.2	5633.7	5601.5	5671.2	5743.6	5778.4	5775.7
17.5°	9112.5	8790.9	7812.6	6496.7	5598.8	5446.1	5547.9	5698.0	5807.9	5856.1	5866.8
20°	9541.3	9101.8	7716.1	5966.0	5263.8	5293.3	5475.5	5668.5	5789.1	5850.8	5866.8
22.5°	10031.8	9434.1	7485.7	5408.5	4990.4	5127.1	5341.5	5529.1	5655.1	5716.8	5732.8
25°	10591.9	9806.7	7123.8	4939.5	4754.6	4939.5	5153.9	5309.4	5411.2	5467.5	5483.6
27.5°	11213.7	10195.3	6641.4	4567.0	4548.2	4746.5	4923.4	5044.0	5097.6	5140.5	5156.6
30°	11838.2	10549.1	6057.1	4285.6	4368.6	4556.3	4682.2	4735.8	4751.9	4759.9	4778.7
32.5°	12513.6	10854.6	5443.4	4052.4	4197.1	4371.3	4446.4	4470.5	4395.4	4344.5	4360.6
35°	13331.1	11181.6	4843.0	3867.5	4028.3	4178.4	4202.5	4181.0	4092.6	3988.1	3993.4
37.5°	14341.5	11589.0	4363.3	3736.1	3870.1	3969.3	3939.8	3934.5	3942.5	3819.2	3827.3
40°	15579.7	12119.6	4012.2	3634.3	3741.5	3762.9	3679.8	3725.4	3765.6	3578.0	3583.4
42.5°	16954.6	12760.2	3789.7	3564.6	3634.3	3583.4	3454.7	3505.6	3500.3	3253.7	3251.0
45°	18356.3	13457.0	3712.0	3513.7	3535.1	3433.3	3291.2	3304.6	3192.1	2969.6	2977.6
47.5°	19750.0	14204.8	3760.2	3470.8	3411.8	3296.6	3186.7	3127.7	2961.6	2795.4	2795.4
50°	21116.9	14990.1	3937.1	3385.0	3243.0	3176.0	3095.6	2991.0	2814.2	2672.1	2661.4
52.5°	22384.6	15780.7	4135.5	3243.0	3031.2	3071.5	3020.5	2899.9	2725.7	2581.0	2583.7
55°	23585.3	16571.4	4213.2	3047.3	2832.9	2980.3	2950.8	2728.4	2519.3	2401.4	2390.7
57.5°	24893.2	17522.8	4127.4	2798.1	2672.1	2875.8	2763.2	2516.7	2396.1	2307.6	2299.6
60°	26705.0	19015.7	3942.5	2489.9	2519.3	2720.4	2527.4	2425.5	2294.2	2195.0	2189.7
62.5°	29714.8	21800.3	3645.0	2184.3	2339.8	2489.9	2414.8	2313.0	2179.0	2082.5	2082.5
65°	34163.9	25670.5	3084.9	1945.8	2138.8	2264.7	2294.2	2192.4	2053.0	1951.1	1956.5
67.5°	37916.1	28098.7	2334.4	1747.5	1932.4	2082.5	2165.6	2066.4	1919.0	1819.8	1822.5
70°	37709.7	26335.1	1782.3	1551.8	1750.1	1902.9	2010.1	1932.4	1774.3	1680.5	1688.5
72.5°	33493.8	22030.8	1441.9	1353.5	1565.2	1715.3	1843.9	1785.0	1624.2	1533.0	1533.0
75°	24606.4	15638.7	1152.5	1152.5	1334.7	1519.6	1661.7	1624.2	1476.8	1412.4	1393.7
77.5°	10372.2	6561.0	903.2	956.8	1109.6	1305.2	1482.1	1495.5	1366.9	1447.3	1313.3
80°	2757.9	1809.1	688.8	753.1	871.0	1077.4	1289.2	1283.8	1144.4	1069.4	994.3
82.5°	1050.6	712.9	490.5	530.7	629.8	825.5	1021.1	1053.3	913.9	790.6	790.6
85°	404.7	305.5	302.9	318.9	367.2	546.8	771.9	798.7	688.8	584.3	603.0
87.5°	104.5	91.1	112.6	107.2	168.8	292.1	442.2	458.3	420.8	243.9	348.4
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)