

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: P952387

Luminaire Tested: **GALN-SB6B-730-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952387
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6B-730-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35055 lumens
Efficiency: N/A
Efficacy: 159.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - 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



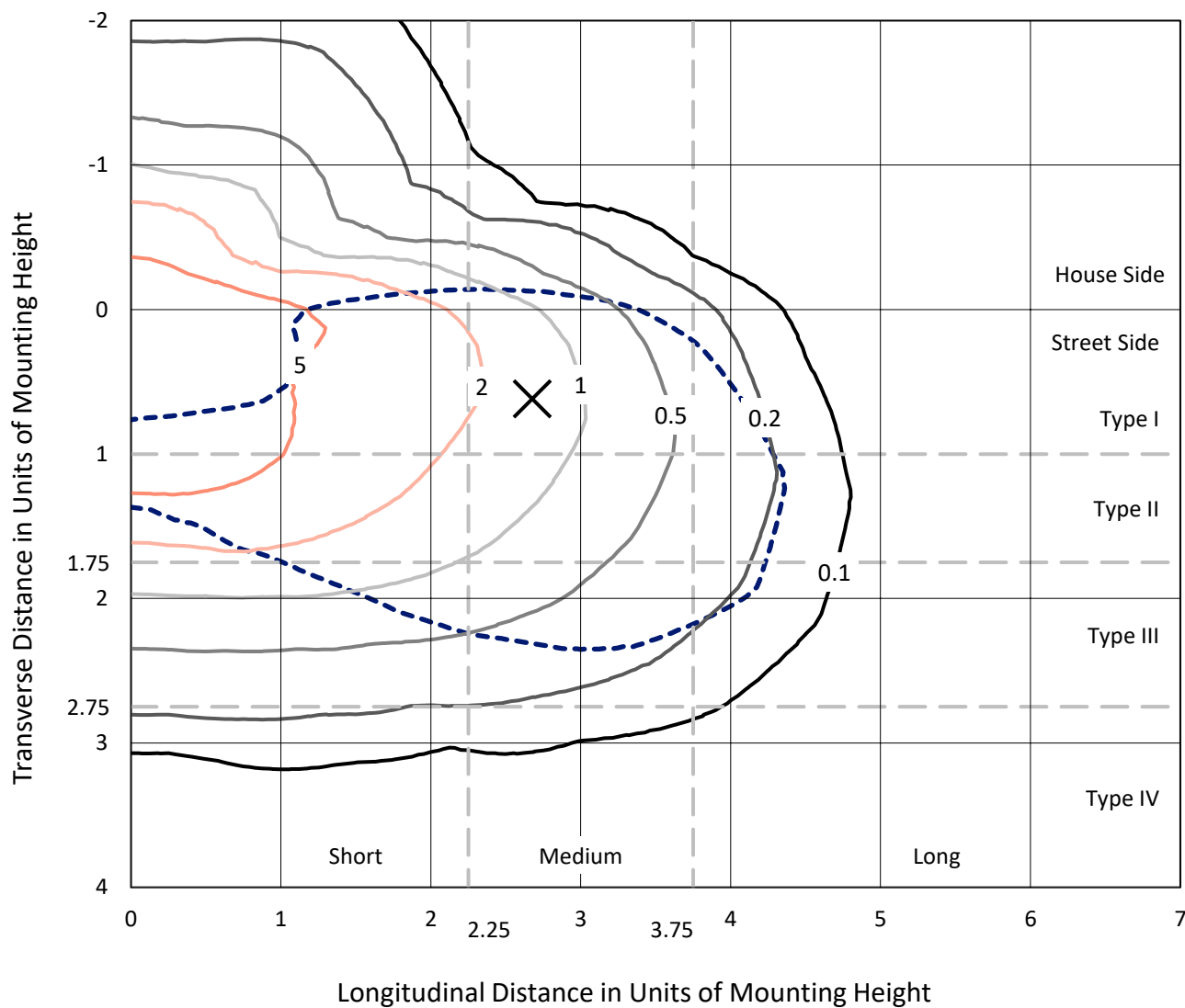
REPORT NUMBER: P952387

CATALOG NUMBER: GALN-SB6B-730-U-T3R

Iso-Footcandle Lines of Horizontal Illumination

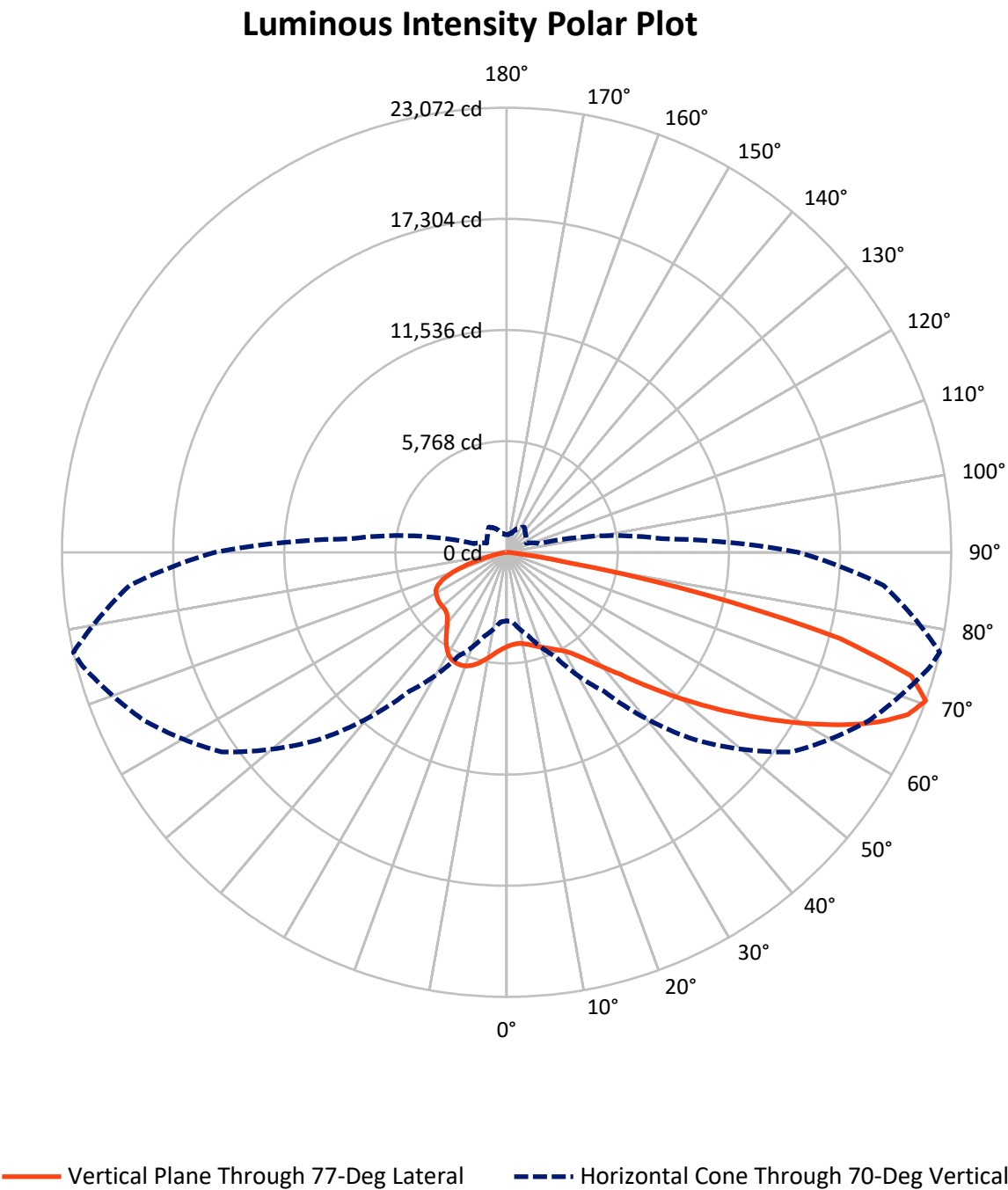
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P952387
CATALOG NUMBER: GALN-SB6B-730-U-T3R



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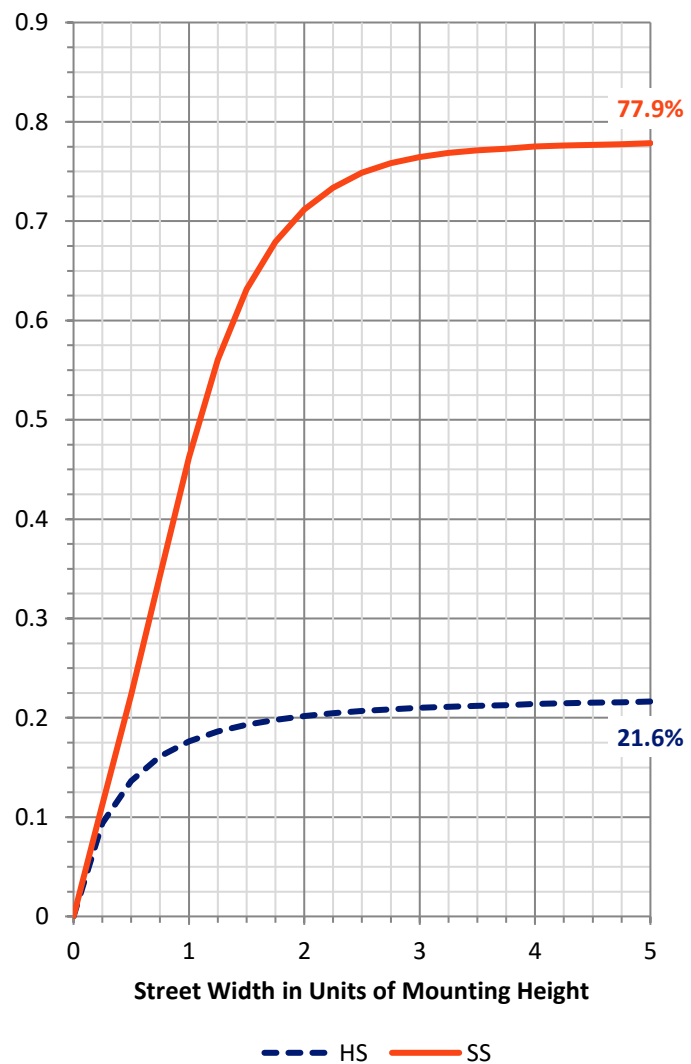
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7676.5	0.0	7676.5
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	27378.5	0.0	27378.5
	% Fixture	78.1	0.0	78.1
Total	Lumens	35055.0	0.0	35055.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	466.4	1.3
10°-20°	1346.1	3.8
20°-30°	2302.1	6.6
30°-40°	3702.0	10.6
40°-50°	5779.8	16.5
50°-60°	7720.4	22.0
60°-70°	8228.7	23.5
70°-80°	5065.6	14.5
80°-90°	443.9	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°	35055.0	100.0
0°-180°	35055.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952387

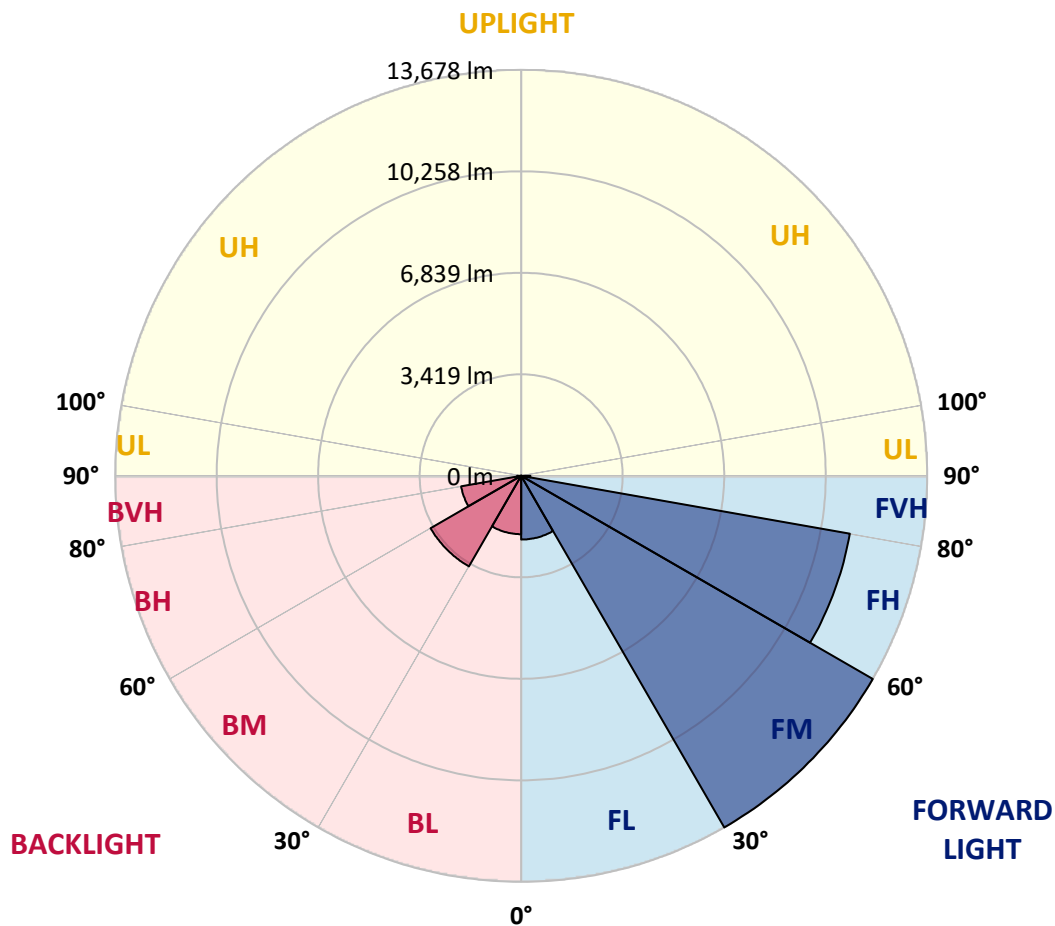
CATALOG NUMBER: GALN-SB6B-730-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2147.7	6.1			
FM	(30°-60°)	13677.7	39.0			
FH	(60°-80°)	11242.7	32.1			G4/12000
FVH	(80°-90°)	310.4	0.9			G3/500
BL	(0°-30°)	1967.0	5.6	B3/2500		
BM	(30°-60°)	3524.5	10.1	B3/5000		
BH	(60°-80°)	2051.6	5.9	B3/2500		G3/2500
BVH	(80°-90°)	133.5	0.4			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 III Medium



REPORT NUMBER: P952387

CATALOG NUMBER: GALN-SB6B-730-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	4890.5	4890.5	4890.5	4890.5	4890.5	4890.5	4890.5	4890.5	4890.5	4890.5	4890.5
2.5°	4508.1	4506.3	4529.6	4536.8	4579.9	4610.4	4667.9	4728.9	4807.9	4816.9	4865.4
5°	4247.8	4247.8	4274.7	4303.4	4359.1	4420.1	4508.1	4614.0	4750.5	4772.0	4892.3
7.5°	4026.9	4041.3	4064.6	4120.3	4184.9	4272.9	4407.5	4558.4	4737.9	4772.0	4965.9
10°	3849.2	3865.4	3894.1	3939.0	4035.9	4158.0	4333.9	4527.8	4768.4	4822.3	5073.6
12.5°	3793.5	3809.7	3825.9	3860.0	3949.7	4093.4	4303.4	4542.2	4842.0	4895.9	5220.8
15°	3922.8	3942.6	3930.0	3921.0	3967.7	4098.7	4317.8	4594.3	4933.6	5010.8	5402.2
17.5°	4220.8	4228.0	4199.3	4114.9	4107.7	4177.7	4386.0	4666.1	5048.5	5132.9	5585.3
20°	4702.0	4689.4	4630.2	4463.2	4368.0	4353.7	4502.7	4773.8	5167.0	5256.7	5782.8
22.5°	5355.5	5341.1	5222.6	4958.7	4746.9	4606.8	4671.5	4913.8	5299.8	5400.4	5974.9
25°	6170.6	6150.8	5976.7	5617.6	5289.1	4942.6	4901.3	5098.8	5463.2	5556.6	6176.0
27.5°	7122.1	7105.9	6917.4	6443.5	5969.5	5402.2	5186.7	5316.0	5633.8	5739.7	6402.2
30°	8145.4	8192.1	7858.2	7348.3	6748.7	6001.8	5570.9	5583.5	5854.6	5949.7	6676.9
32.5°	9348.3	9429.1	9026.9	8380.6	7562.0	6653.5	6055.7	5956.9	6176.0	6254.9	7023.4
35°	10540.4	10632.0	10298.0	9583.5	8640.9	7421.9	6561.9	6386.0	6603.2	6689.4	7483.0
37.5°	11570.9	11693.0	11520.7	10899.5	9795.3	8348.3	7222.6	6890.5	7129.3	7237.0	8100.6
40°	12384.2	12570.9	12558.4	12170.6	11156.2	9472.2	8061.1	7513.5	7782.8	7899.5	8849.2
42.5°	13044.9	13206.5	13346.5	13326.8	12576.3	10748.7	9046.7	8323.2	8527.8	8662.5	9691.2
45°	13500.9	13673.3	13974.9	14299.8	13942.6	12114.9	10176.0	9283.7	9470.4	9673.3	10694.8
47.5°	13908.5	14104.2	14495.5	15010.8	15102.4	13486.6	11412.9	10402.2	10572.7	10782.8	11702.0
50°	13944.4	14113.1	14720.0	15450.7	15926.4	14804.3	12741.5	11657.1	11816.9	12041.3	12781.0
52.5°	13077.2	13342.9	14402.2	15438.1	16305.2	15906.7	14061.1	12962.3	13141.9	13411.2	13897.7
55°	10150.8	10540.4	13470.4	14956.9	16170.6	16619.4	15316.0	14350.1	14579.9	14861.8	15021.6
57.5°	8743.3	8913.8	10693.0	14080.8	15556.6	16804.3	16375.2	15752.3	16122.1	16430.9	16210.1
60°	7858.2	8000.0	9052.1	12718.2	14748.7	16511.7	17193.9	17059.3	17698.4	18066.5	17425.5
62.5°	6910.2	7044.9	8001.8	10619.4	13714.6	16025.2	17711.0	18265.7	19314.2	19716.4	18570.9
65°	5969.5	6084.4	7001.8	8922.8	12400.4	15538.6	17978.5	19308.8	20809.7	21226.2	19522.5
67.5°	4921.0	5016.2	5883.3	7527.8	10802.5	14872.6	18111.3	20129.3	22111.3	22468.6	19992.8
70°	3551.2	3624.8	4520.7	5953.3	8797.1	13727.1	18057.5	20711.0	22786.4	23071.8	19637.4
72.5°	1678.6	1745.1	2797.1	3865.4	6213.7	11497.3	16967.7	20249.6	22100.6	21958.7	17461.4
75°	895.9	953.3	1606.8	2120.3	3281.9	7881.5	13885.1	17443.5	18558.4	17869.0	12904.9
77.5°	606.8	651.7	994.6	1272.9	1499.1	3741.5	8924.6	12077.2	11619.4	10481.2	6463.2
80°	481.1	527.8	815.1	861.8	725.3	1351.9	3687.6	5590.7	4016.2	3211.9	1838.4
82.5°	369.8	421.9	685.8	624.8	395.0	554.8	1073.6	1768.4	1028.7	782.8	445.2
85°	226.2	281.9	538.6	398.6	222.6	253.1	364.5	491.9	314.2	262.1	159.8
87.5°	114.9	161.6	272.9	145.4	100.5	59.2	96.9	96.9	82.6	71.8	41.3
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: P952387

CATALOG NUMBER: GALN-SB6B-730-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4890.5	4890.5	4890.5	4890.5	4890.5	4890.5	4890.5	4890.5	4890.5	4890.5	4890.5
2.5°	4908.4	4944.4	5005.4	5062.8	5107.7	5150.8	5193.9	5217.2	5224.4	5253.1	5269.3
5°	4965.9	5032.3	5150.8	5262.1	5332.1	5375.2	5405.8	5423.7	5427.3	5436.3	5450.6
7.5°	5071.8	5177.7	5342.9	5454.2	5506.3	5502.7	5490.1	5445.3	5427.3	5411.1	5414.7
10°	5220.8	5360.9	5563.7	5640.9	5608.6	5522.5	5411.1	5280.1	5219.0	5159.8	5141.8
12.5°	5405.8	5583.5	5782.8	5779.2	5619.4	5398.6	5140.0	4939.0	4811.5	4719.9	4698.4
15°	5630.2	5834.8	5987.4	5865.4	5515.3	5118.5	4739.7	4477.6	4362.7	4262.1	4251.4
17.5°	5861.8	6080.8	6150.8	5838.4	5253.1	4703.8	4274.7	4068.2	3955.1	3901.3	3917.4
20°	6088.0	6305.2	6247.8	5684.0	4854.6	4233.4	3851.0	3737.9	3714.5	3727.1	3721.7
22.5°	6326.8	6520.7	6267.5	5386.0	4346.5	3752.2	3542.2	3545.8	3597.9	3635.6	3644.5
25°	6570.9	6702.0	6215.4	4955.1	3800.7	3398.6	3346.5	3404.0	3506.3	3579.9	3599.6
27.5°	6806.1	6863.6	6102.3	4421.9	3332.1	3145.4	3154.4	3272.9	3427.3	3529.6	3554.8
30°	7071.8	7007.2	5885.1	3822.3	3007.2	2928.2	3003.6	3141.8	3296.2	3387.8	3409.3
32.5°	7371.6	7131.1	5540.4	3267.5	2777.4	2754.0	2877.9	2967.7	3035.9	3062.8	3077.2
35°	7745.1	7305.2	5098.8	2877.9	2570.9	2626.6	2745.1	2700.2	2673.3	2658.9	2673.3
37.5°	8229.8	7540.4	4581.7	2624.8	2404.0	2535.0	2583.5	2443.5	2337.5	2285.5	2298.0
40°	8813.3	7885.1	4084.4	2429.1	2298.0	2456.0	2371.6	2202.9	2068.2	1994.6	2000.0
42.5°	9461.4	8246.0	3666.1	2281.9	2238.8	2391.4	2215.4	2014.4	1797.1	1773.8	1797.1
45°	10141.8	8617.6	3380.6	2168.8	2210.1	2335.7	2125.7	1800.7	1646.3	1741.5	1791.7
47.5°	10822.3	8958.7	3208.3	2084.4	2195.7	2272.9	2046.7	1682.2	1572.7	1711.0	1775.6
50°	11579.9	9263.9	3131.1	2023.3	2179.5	2247.8	1928.2	1651.7	1495.5	1587.1	1655.3
52.5°	12332.2	9500.9	3073.6	1962.3	2156.2	2228.0	1870.7	1615.8	1402.2	1407.5	1445.2
55°	13082.6	9655.3	3010.8	1881.5	2104.1	2184.9	1865.4	1576.3	1332.1	1307.0	1325.0
57.5°	13883.3	9743.3	2933.6	1791.7	2014.4	2075.4	1860.0	1545.8	1310.6	1269.3	1274.7
60°	14698.4	9872.5	2833.0	1682.2	1894.1	1944.3	1847.4	1535.0	1298.0	1228.0	1233.4
62.5°	15429.1	9917.4	2712.8	1578.1	1739.7	1815.1	1820.5	1526.0	1263.9	1143.6	1143.6
65°	15908.5	9723.5	2502.7	1459.6	1572.7	1682.2	1768.4	1495.5	1202.9	1082.6	1082.6
67.5°	15888.7	9170.6	2174.2	1307.0	1411.1	1535.0	1693.0	1443.4	1129.3	1007.2	1012.6
70°	15149.0	8079.0	1757.6	1129.3	1233.4	1377.0	1596.1	1366.2	1041.3	924.6	935.4
72.5°	12992.8	6323.2	1276.5	921.0	1026.9	1213.6	1470.4	1272.9	951.5	851.0	845.6
75°	9281.9	4001.8	865.4	707.4	798.9	1028.7	1314.2	1163.4	868.9	854.6	806.1
77.5°	4741.5	1912.0	572.7	517.1	556.6	811.5	1104.1	1039.5	881.5	705.6	628.4
80°	1542.2	705.6	360.9	351.9	369.8	540.4	854.6	852.8	667.9	479.4	423.7
82.5°	491.9	303.4	235.2	226.2	217.2	339.3	596.1	675.0	450.6	303.4	301.6
85°	195.7	181.3	138.2	127.5	91.6	159.8	312.4	448.8	335.7	219.0	224.4
87.5°	71.8	71.8	37.7	26.9	19.7	53.9	84.4	134.7	192.1	113.1	111.3
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)