

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: P957029

Luminaire Tested: **GALN-SB9C-730-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957029
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9C-730-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52544 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

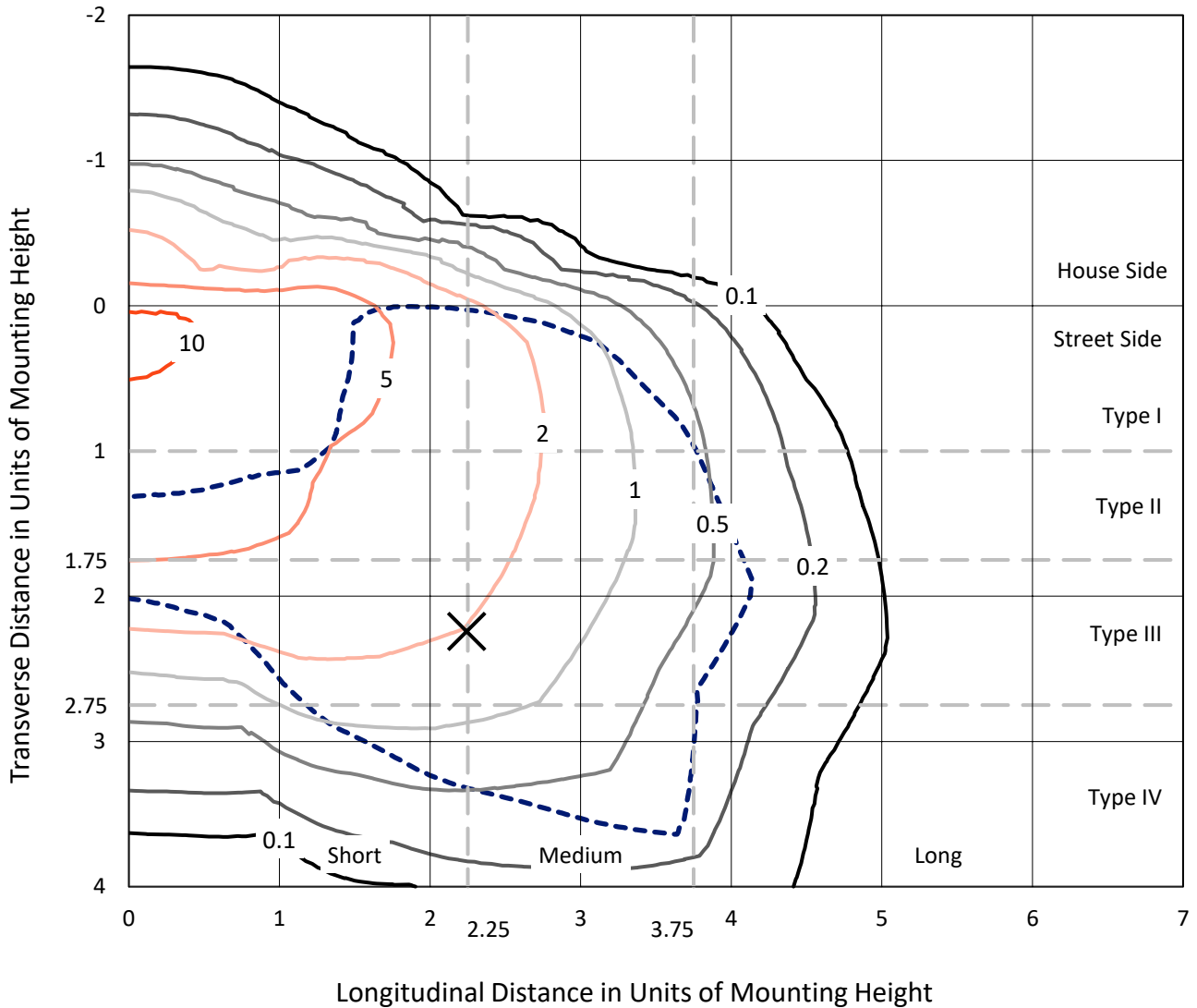
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P957029
 CATALOG NUMBER: GALN-SB9C-730-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

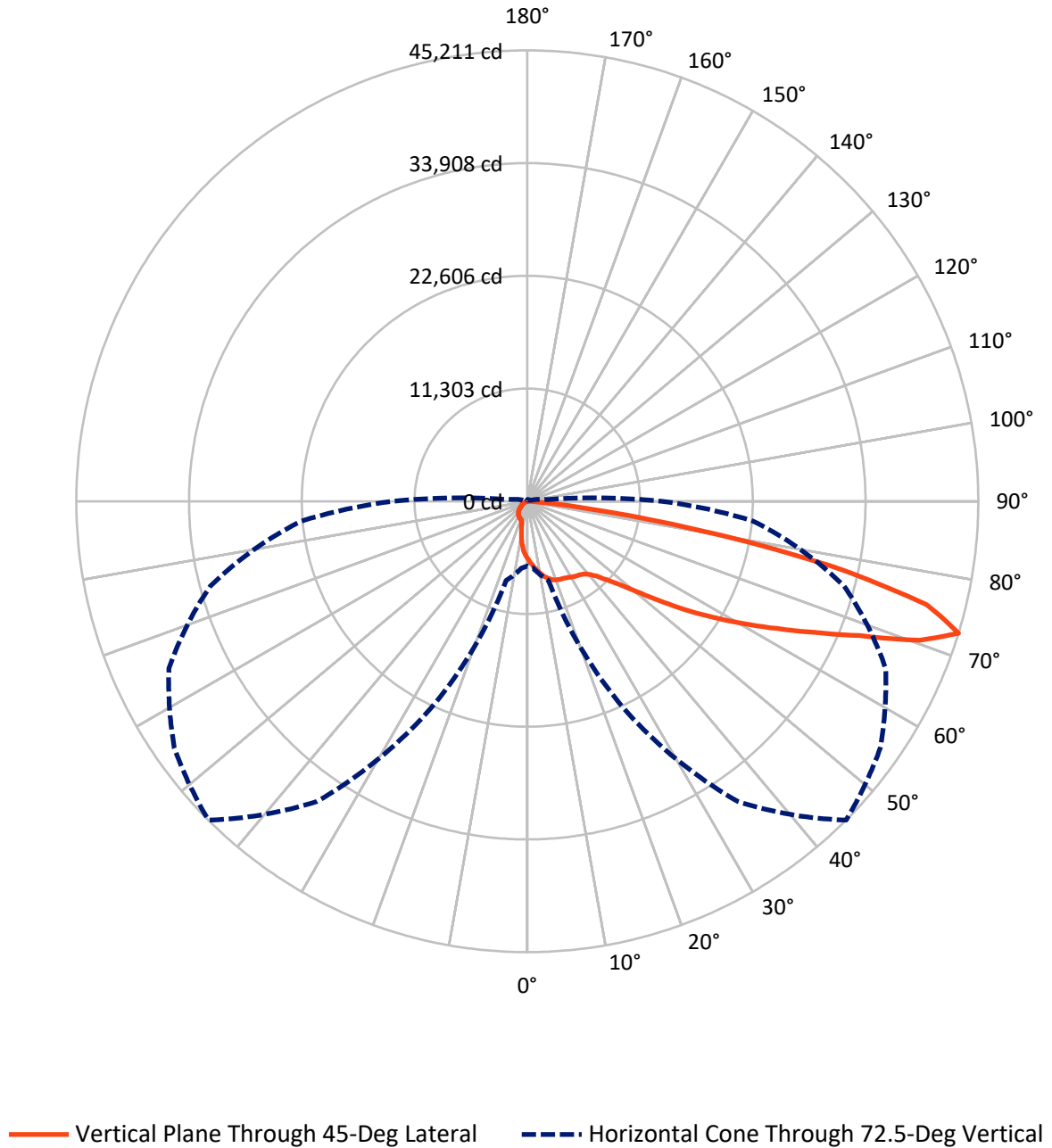
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P957029
CATALOG NUMBER: GALN-SB9C-730-U-T4W-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P957029
 CATALOG NUMBER: GALN-SB9C-730-U-T4W-HSS

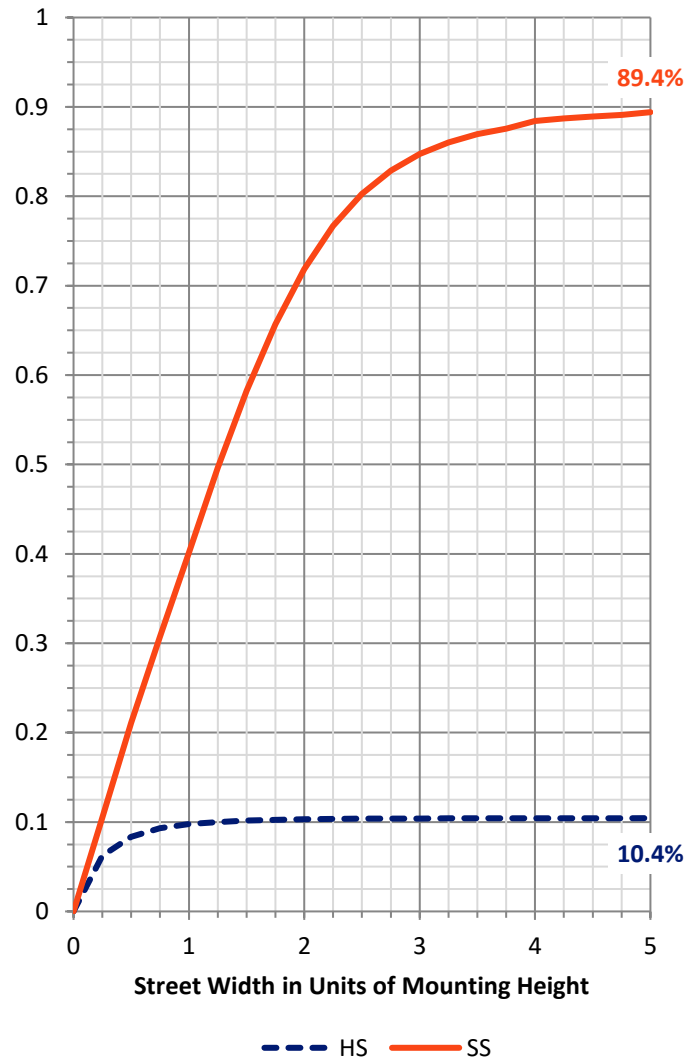
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5520.9	0.0	5520.9
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	47023.1	0.0	47023.1
	% Fixture	89.5	0.0	89.5
Total	Lumens	52544.0	0.0	52544.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	542.4	1.0
10°-20°	1585.1	3.0
20°-30°	2603.0	5.0
30°-40°	3691.6	7.0
40°-50°	6101.9	11.6
50°-60°	10961.3	20.9
60°-70°	15220.3	29.0
70°-80°	11040.3	21.0
80°-90°	798.2	1.5
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°	52544.0	100.0
0°-180°	52544.0	100.0

Coefficient of Utilization



REPORT NUMBER: P957029

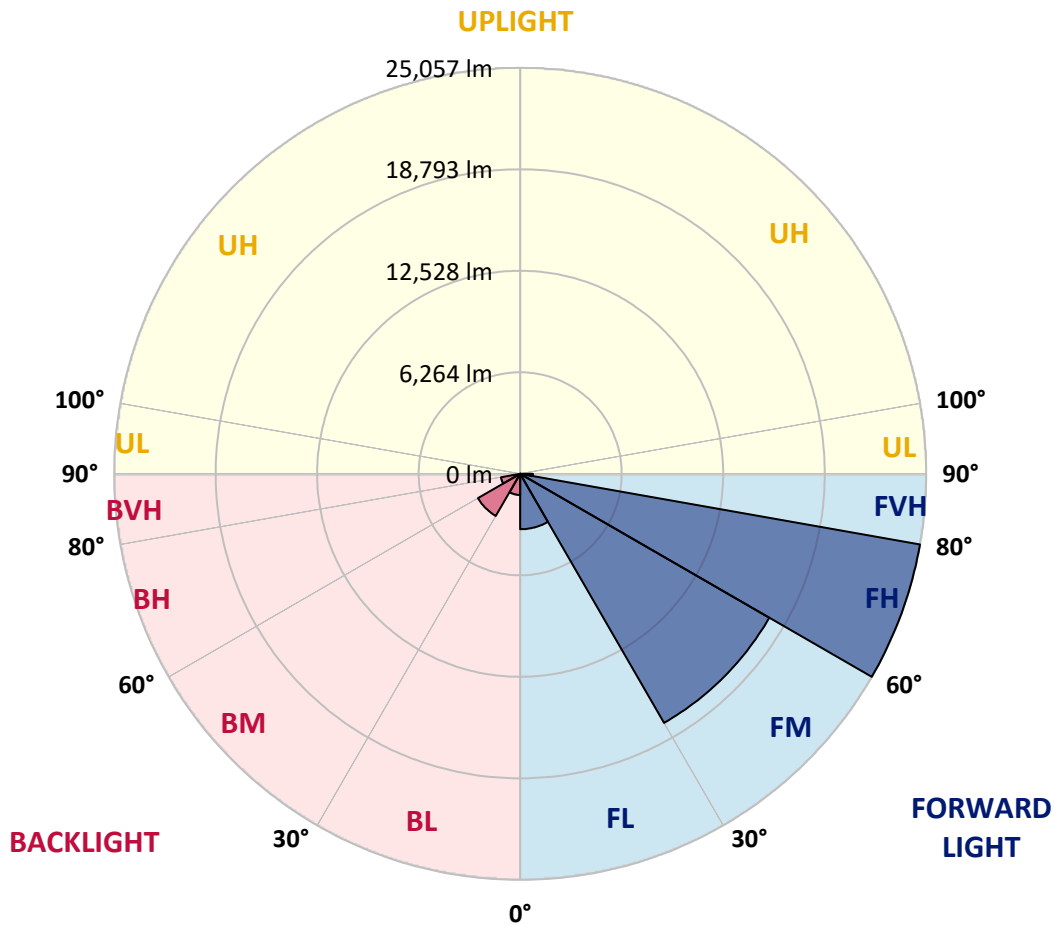
CATALOG NUMBER: GALN-SB9C-730-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3422.7	6.5			
FM (30°-60°)	17752.2	33.8			
FH (60°-80°)	25056.7	47.7			G5
FVH (80°-90°)	791.5	1.5			G5
BL (0°-30°)	1307.7	2.5	B3/2500		
BM (30°-60°)	3002.6	5.7	B3/5000		
BH (60°-80°)	1203.9	2.3	B3/2500		G3/2500
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: B3-U0-G5

Type IV Short



REPORT NUMBER: P957029

CATALOG NUMBER: GALN-SB9C-730-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	5756.3	5756.3	5756.3	5756.3	5756.3	5756.3	5756.3	5756.3	5756.3	5756.3	5756.3
2.5°	6287.1	6297.9	6290.7	6247.7	6175.9	6136.5	6115.0	6043.2	5996.6	5914.1	5828.0
5°	6864.5	6907.6	6882.5	6796.4	6660.1	6563.3	6534.6	6387.5	6254.8	6100.6	5921.3
7.5°	7477.8	7499.3	7452.7	7341.5	7158.6	6993.6	6968.5	6764.1	6552.5	6315.8	6071.9
10°	8008.6	8033.7	7962.0	7800.6	7592.6	7388.2	7352.3	7126.3	6875.3	6584.8	6272.8
12.5°	8453.3	8478.4	8385.2	8191.5	7962.0	7750.4	7714.5	7477.8	7201.7	6878.9	6491.5
15°	8790.5	8837.1	8711.6	8503.6	8256.1	8044.5	8026.6	7793.4	7524.4	7165.8	6753.3
17.5°	8987.7	9034.4	8916.0	8664.9	8453.3	8274.0	8252.5	8058.8	7807.8	7463.5	7008.0
20°	9020.0	9063.0	8937.5	8718.7	8543.0	8399.5	8388.8	8248.9	8066.0	7736.0	7284.1
22.5°	8923.2	8977.0	8862.2	8686.5	8564.5	8489.2	8474.9	8396.0	8292.0	8012.2	7542.4
25°	8822.8	8865.8	8779.7	8625.5	8560.9	8553.8	8564.5	8550.2	8528.7	8292.0	7843.6
27.5°	8815.6	8862.2	8765.4	8618.3	8582.5	8657.8	8668.5	8736.7	8754.6	8546.6	8134.1
30°	8876.5	8908.8	8815.6	8661.4	8643.4	8815.6	8819.2	8941.1	8969.8	8761.8	8421.1
32.5°	9009.2	9045.1	8951.9	8725.9	8700.8	8941.1	8951.9	9113.3	9159.9	8991.3	8722.3
35°	9321.3	9364.3	9256.7	8905.2	8815.6	9059.5	9091.7	9281.8	9375.1	9235.2	9034.4
37.5°	10099.5	9974.0	9827.0	9267.5	9077.4	9246.0	9299.8	9522.1	9687.1	9525.7	9407.3
40°	12032.7	11638.1	11179.1	9884.4	9536.5	9644.1	9687.1	9909.5	10135.4	9977.6	9920.2
42.5°	14934.1	14467.9	13729.1	11304.6	10228.7	10282.4	10314.7	10508.4	10827.6	10702.1	10716.4
45°	17520.0	17351.4	16598.2	13729.1	11523.4	11258.0	11297.4	11397.8	11867.7	11821.1	11914.3
47.5°	19506.9	19410.1	18829.0	16512.2	13711.1	12452.3	12563.5	12610.1	13287.9	13452.9	13704.0
50°	21034.7	20998.9	20478.8	18986.8	16569.6	14213.2	14252.7	14152.3	15167.2	15576.1	16053.1
52.5°	22476.5	22598.4	22214.7	21285.8	19621.7	16519.3	16512.2	16038.8	17408.8	18025.7	18839.8
55°	23778.4	23821.4	23860.9	23631.3	22691.7	19144.7	19076.5	18301.8	20009.0	20647.4	21529.7
57.5°	25001.4	25019.3	25370.8	25840.6	25887.2	21963.6	21838.1	20909.2	22849.5	23305.0	23846.5
60°	25822.7	25905.2	26647.6	27953.1	28523.3	24872.3	24804.1	23857.3	25740.2	25951.8	25851.4
62.5°	24639.1	25141.3	27013.4	29602.8	31012.3	28096.5	28064.2	27174.8	28781.5	28609.4	27748.6
65°	19944.4	20794.4	24086.8	30718.2	33454.7	31697.3	31744.0	30797.1	31905.4	31345.9	29290.8
67.5°	13951.4	14848.0	18743.0	30807.9	36184.0	35925.8	36194.8	34710.0	35222.9	33967.6	29656.6
70°	9647.6	10110.3	12645.9	28878.4	38310.8	41750.3	41743.1	39515.9	38522.4	35161.9	27791.7
72.5°	6487.9	6728.2	8213.0	22910.5	36747.1	45211.2	45003.2	43188.4	39634.2	32884.5	22706.0
75°	2736.5	2912.2	3801.7	12875.5	29072.0	41362.9	40799.8	38167.4	35215.7	25894.4	14166.6
77.5°	867.9	943.2	1499.2	4608.6	16013.7	31091.2	30495.9	23835.8	23602.7	12990.2	5178.9
80°	412.4	480.6	842.8	1850.6	6301.5	16910.3	16827.8	10813.2	10153.3	3507.6	1040.1
82.5°	179.3	211.6	466.2	989.9	2819.0	6032.5	6154.4	3679.7	3044.9	1330.6	319.2
85°	57.4	75.3	215.2	455.5	1190.7	1499.2	1481.2	875.1	1226.6	724.5	111.2
87.5°	0.0	0.0	71.7	104.0	121.9	86.1	96.8	75.3	340.7	200.8	39.5
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: P957029

CATALOG NUMBER: GALN-SB9C-730-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5756.3	5756.3	5756.3	5756.3	5756.3	5756.3	5756.3	5756.3	5756.3	5756.3	5756.3
2.5°	5785.0	5727.6	5627.2	5533.9	5451.5	5369.0	5318.8	5247.0	5239.9	5239.9	5257.8
5°	5824.5	5731.2	5551.9	5361.8	5143.0	4935.0	4727.0	4526.1	4461.6	4415.0	4436.5
7.5°	5939.2	5792.2	5508.8	5146.6	4730.6	4275.1	3955.9	3611.6	3478.9	3407.2	3417.9
10°	6104.2	5903.4	5473.0	4838.2	4163.9	3543.4	3088.0	2715.0	2571.5	2510.5	2510.5
12.5°	6287.1	6039.6	5408.4	4454.4	3543.4	2801.0	2356.3	2184.2	2162.6	2162.6	2162.6
15°	6505.9	6204.6	5297.2	4002.5	2894.3	2216.4	2058.6	2065.8	2087.3	2101.7	2101.7
17.5°	6731.8	6380.4	5121.5	3496.8	2320.5	1994.1	1997.7	2008.4	2026.4	2040.7	2040.7
20°	6975.7	6556.1	4888.4	2958.8	1990.5	1929.5	1940.3	1951.0	1965.4	1972.6	1976.2
22.5°	7237.5	6721.1	4612.2	2431.6	1879.3	1875.7	1879.3	1890.1	1908.0	1908.0	1915.2
25°	7517.3	6904.0	4296.6	2047.9	1821.9	1821.9	1829.1	1836.3	1850.6	1850.6	1854.2
27.5°	7804.2	7072.5	3963.1	1847.0	1771.7	1768.1	1768.1	1778.9	1786.1	1789.7	1793.2
30°	8119.8	7269.8	3629.5	1804.0	1732.3	1714.3	1703.6	1710.8	1717.9	1721.5	1728.7
32.5°	8442.6	7459.9	3331.8	1821.9	1692.8	1660.5	1624.7	1617.5	1617.5	1631.9	1642.6
35°	8801.2	7667.9	3102.3	1882.9	1671.3	1581.6	1524.3	1492.0	1495.6	1517.1	1527.8
37.5°	9231.6	7919.0	2933.7	1936.7	1657.0	1492.0	1398.7	1359.3	1334.2	1359.3	1352.1
40°	9794.7	8288.4	2811.8	1979.7	1639.0	1388.0	1262.4	1197.9	1151.3	1165.6	1158.4
42.5°	10623.2	8869.4	2765.2	1983.3	1599.6	1266.0	1122.6	1036.5	968.4	971.9	957.6
45°	11785.2	9787.5	3005.5	1936.7	1513.5	1133.3	975.5	860.8	817.7	807.0	792.6
47.5°	13377.6	11125.3	3561.4	1839.9	1388.0	1004.2	832.1	735.2	703.0	685.0	674.3
50°	15511.5	12843.2	4178.3	1732.3	1262.4	882.3	713.7	652.7	631.2	613.3	609.7
52.5°	17986.2	14586.2	4683.9	1624.7	1136.9	774.7	638.4	602.5	584.6	570.3	566.7
55°	20256.5	15787.7	4655.3	1509.9	1015.0	688.6	584.6	563.1	541.6	527.2	520.0
57.5°	21669.5	15956.3	3837.5	1384.4	875.1	620.5	534.4	520.0	494.9	477.0	473.4
60°	22318.7	14995.1	2689.9	1219.4	735.2	555.9	480.6	473.4	441.1	416.0	408.9
62.5°	22437.0	13209.0	1793.2	1015.0	613.3	494.9	426.8	416.0	373.0	330.0	308.4
65°	21956.5	10655.4	1240.9	792.6	523.6	430.4	365.8	344.3	297.7	254.6	240.3
67.5°	20435.8	7481.4	864.3	570.3	444.7	340.7	290.5	283.3	247.5	211.6	200.8
70°	17649.1	4264.3	577.4	426.8	351.5	233.1	229.5	236.7	200.8	172.2	157.8
72.5°	13531.8	1951.0	358.6	312.0	240.3	157.8	182.9	186.5	154.2	129.1	114.8
75°	7965.6	835.7	225.9	200.8	121.9	104.0	132.7	136.3	104.0	82.5	71.7
77.5°	2711.4	315.6	143.5	118.4	61.0	57.4	86.1	86.1	57.4	32.3	25.1
80°	616.9	118.4	71.7	46.6	28.7	25.1	28.7	25.1	14.3	3.6	0.0
82.5°	175.7	46.6	28.7	17.9	10.8	10.8	3.6	0.0	0.0	0.0	0.0
85°	50.2	21.5	7.2	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	21.5	3.6	0.0	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)