

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: P947702

Luminaire Tested: **GALN-SB3A-722-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947702
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-722-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11267 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 84.7
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

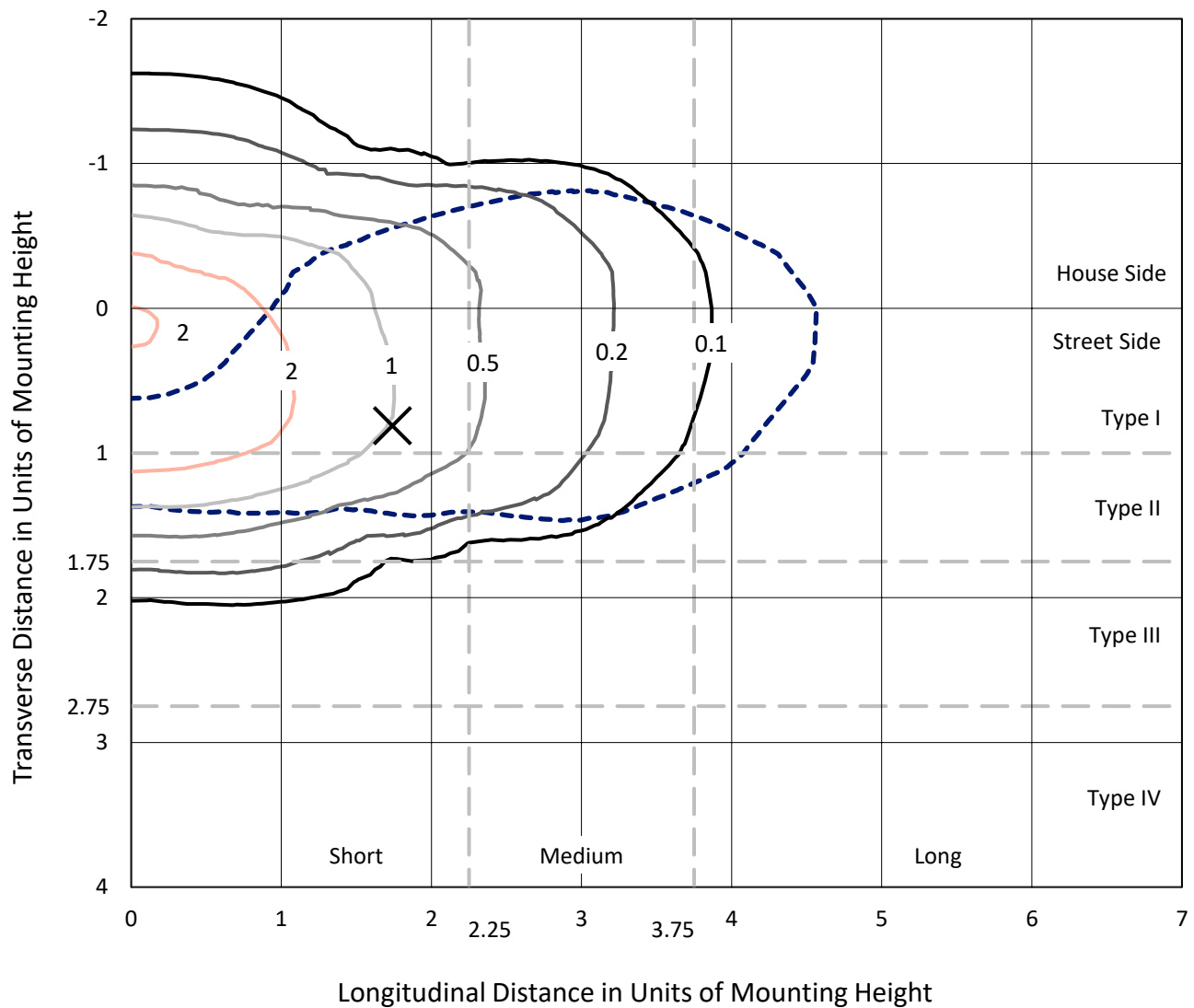


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

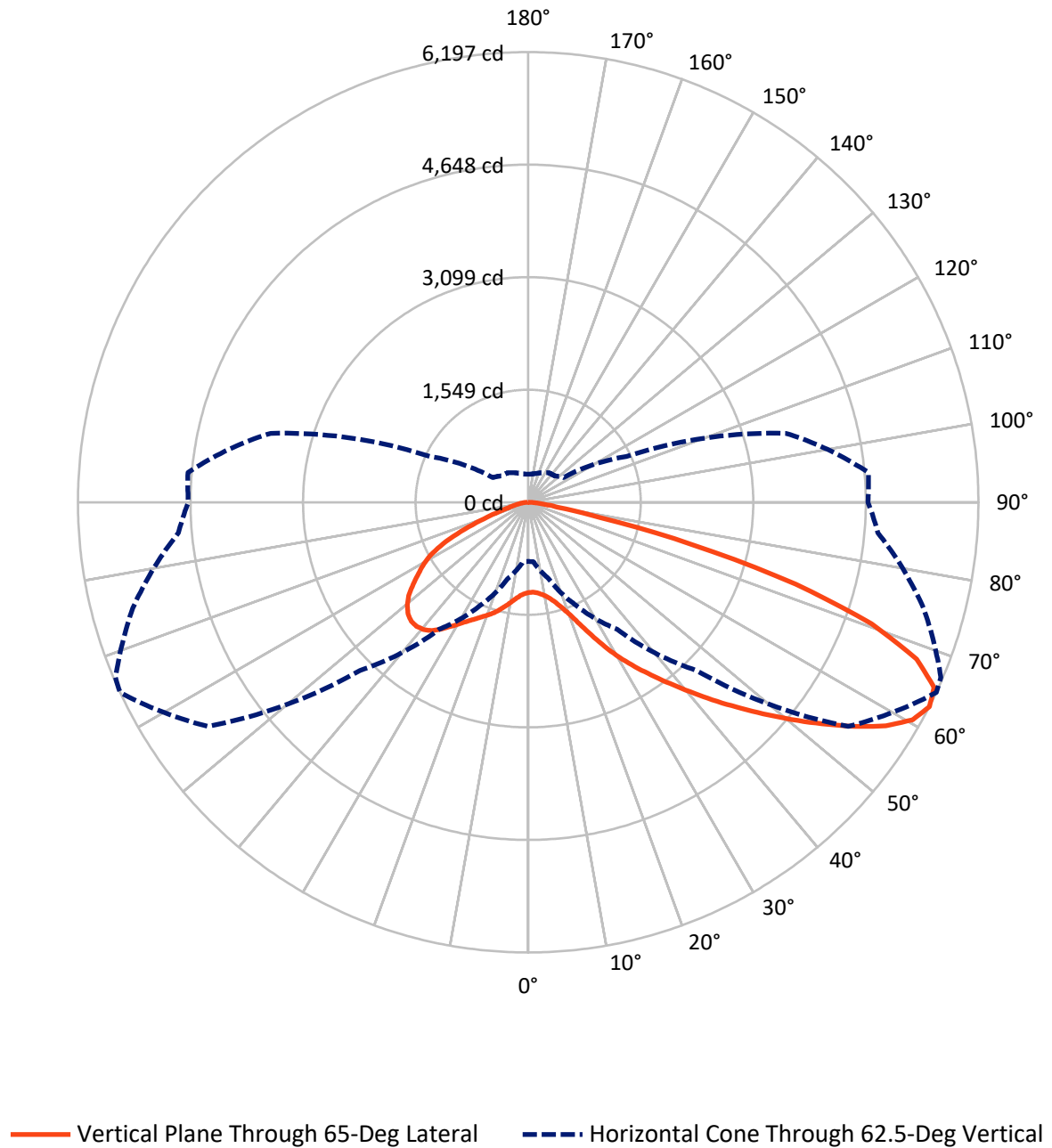


Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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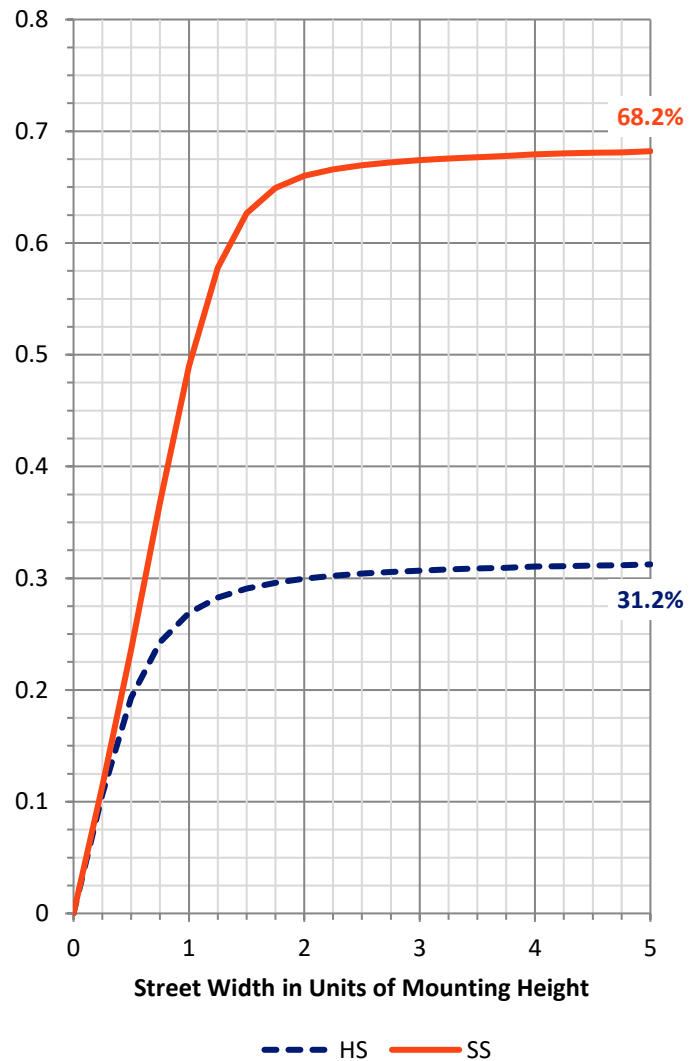
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3555.4	0.0	3555.4
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	7711.6	0.0	7711.6
	% Fixture	68.4	0.0	68.4
Total	Lumens	11267.0	0.0	11267.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.8	1.1
10°-20°	419.8	3.7
20°-30°	851.1	7.6
30°-40°	1472.8	13.1
40°-50°	2228.9	19.8
50°-60°	2613.2	23.2
60°-70°	2190.8	19.4
70°-80°	1209.5	10.7
80°-90°	157.1	1.4
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°	11267.0	100.0
0°-180°	11267.0	100.0

Coefficient of Utilization



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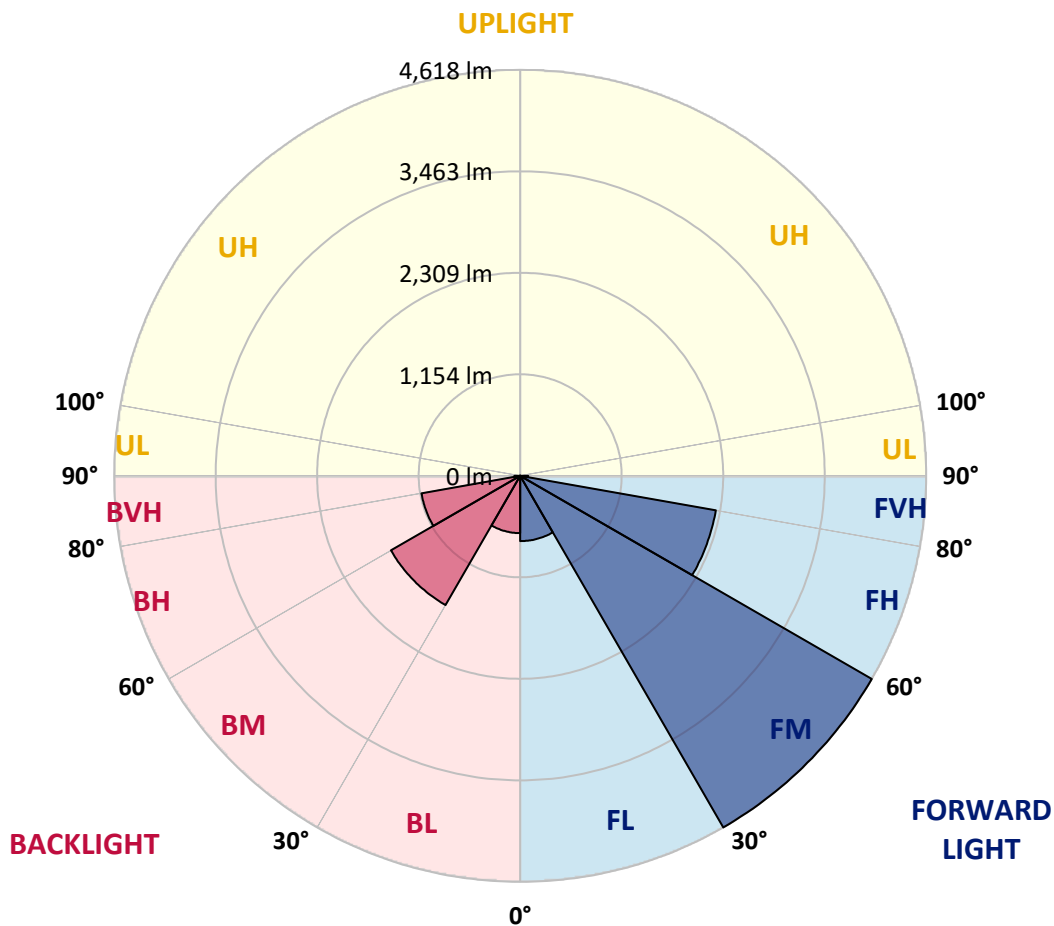
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	742.6	6.6			
FM	(30°-60°)	4617.6	41.0			
FH	(60°-80°)	2259.8	20.1			G2/5000
FVH	(80°-90°)	91.6	0.8			G1/100
BL	(0°-30°)	652.0	5.8	B2/1000		
BM	(30°-60°)	1697.3	15.1	B2/2500		
BH	(60°-80°)	1140.5	10.1	B3/2500		G3/2500
BVH	(80°-90°)	65.5	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1241.6	1241.6	1241.6	1241.6	1241.6	1241.6	1241.6	1241.6	1241.6	1241.6	1241.6
2.5°	1233.4	1229.9	1232.8	1232.8	1234.0	1233.4	1237.5	1238.7	1240.4	1243.9	1243.9
5°	1221.1	1220.5	1225.8	1230.5	1235.1	1239.2	1244.5	1252.1	1253.3	1257.4	1262.6
7.5°	1217.0	1213.5	1221.7	1227.5	1238.7	1248.6	1262.6	1275.5	1280.7	1282.5	1292.4
10°	1248.6	1242.7	1250.3	1253.8	1263.2	1273.1	1289.5	1310.0	1315.8	1322.8	1333.9
12.5°	1302.4	1295.9	1307.0	1312.3	1321.1	1329.8	1340.9	1360.8	1363.7	1376.6	1387.1
15°	1376.0	1368.4	1375.4	1381.9	1396.5	1404.7	1415.8	1435.1	1435.1	1445.0	1452.6
17.5°	1476.0	1466.0	1471.3	1473.6	1483.0	1495.3	1514.0	1530.9	1539.7	1536.2	1525.7
20°	1625.0	1612.8	1612.8	1601.1	1597.6	1607.5	1632.1	1655.4	1664.8	1646.7	1620.9
22.5°	1848.9	1831.4	1821.4	1781.7	1765.9	1767.1	1791.6	1820.3	1827.9	1795.7	1737.9
25°	2133.6	2106.1	2092.7	2034.2	1998.6	1967.6	1986.9	2023.7	2034.2	1994.5	1900.9
27.5°	2418.3	2420.0	2407.2	2337.0	2278.0	2221.3	2211.3	2249.9	2261.0	2216.0	2100.3
30°	2817.5	2776.0	2751.5	2667.3	2583.1	2503.6	2462.7	2478.5	2481.4	2427.6	2293.2
32.5°	3161.8	3151.3	3098.7	3025.0	2916.9	2792.4	2724.0	2698.8	2694.2	2617.6	2458.0
35°	3554.0	3548.2	3492.7	3405.0	3288.1	3115.0	2991.7	2919.8	2914.0	2806.4	2621.1
37.5°	3952.7	3952.7	3898.3	3802.5	3681.5	3465.2	3277.5	3163.6	3144.9	3004.6	2787.1
40°	4270.7	4251.4	4261.3	4221.0	4082.5	3852.7	3595.0	3429.5	3404.4	3236.0	2963.6
42.5°	4451.3	4444.9	4504.5	4549.5	4492.8	4309.3	3944.5	3717.7	3682.6	3490.9	3167.1
45°	4491.6	4484.6	4591.0	4755.9	4835.4	4760.0	4324.5	4021.1	3978.4	3757.5	3385.1
47.5°	4398.7	4384.7	4540.7	4800.9	5055.7	5188.4	4736.0	4350.2	4288.2	4017.0	3609.0
50°	4119.3	4105.8	4342.0	4687.5	5130.0	5479.5	5182.6	4699.2	4604.5	4295.2	3835.2
52.5°	3511.9	3518.4	3888.4	4363.0	5032.4	5660.7	5567.2	5066.8	4952.9	4579.9	4047.4
55°	2735.7	2749.7	3204.5	3727.1	4641.9	5633.3	5829.7	5445.6	5332.2	4847.6	4266.6
57.5°	1958.8	2020.8	2446.9	2964.2	3891.9	5197.8	5887.0	5805.7	5695.8	5139.9	4481.1
60°	1269.6	1280.7	1719.1	2240.6	2963.6	4423.8	5770.6	6078.7	5992.8	5438.0	4660.6
62.5°	813.7	821.3	1088.4	1567.2	2133.0	3272.9	5379.0	6197.4	6171.0	5635.0	4833.0
65°	598.0	592.1	731.3	1035.8	1436.8	2018.4	4618.5	6140.1	6192.1	5758.4	4975.7
67.5°	499.2	491.0	559.4	717.2	1058.6	1146.3	3417.3	5767.7	5958.3	5744.3	5080.3
70°	454.8	447.8	489.3	532.5	826.0	767.5	1722.7	5014.2	5307.7	5584.7	5063.3
72.5°	385.2	372.9	429.6	472.9	642.4	588.6	712.0	3851.6	4209.3	5073.3	4824.8
75°	298.7	290.5	339.0	416.2	482.8	459.5	450.1	2338.8	2729.2	3923.5	4221.0
77.5°	236.7	225.6	270.1	324.4	434.3	346.6	327.9	1007.2	1394.1	2504.8	3158.3
80°	178.3	168.3	205.2	256.6	333.8	261.3	212.2	410.9	525.5	1269.0	1588.2
82.5°	126.8	118.1	143.2	188.2	224.5	234.4	130.4	230.3	259.0	489.3	354.8
85°	81.3	76.0	95.9	118.1	142.6	150.8	79.5	120.4	132.1	201.7	147.9
87.5°	44.4	36.2	51.4	54.9	66.1	60.2	38.0	43.8	47.3	73.1	62.5
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°	1241.6	1241.6	1241.6	1241.6	1241.6	1241.6	1241.6	1241.6	1241.6	1241.6	1241.6
2.5°	1246.3	1248.0	1253.8	1255.6	1259.7	1265.0	1268.5	1272.0	1272.0	1275.5	1275.5
5°	1263.2	1267.3	1279.6	1286.0	1296.5	1307.0	1313.5	1321.1	1325.7	1328.1	1329.3
7.5°	1295.9	1302.4	1319.9	1331.0	1349.1	1363.7	1373.7	1384.2	1386.5	1393.0	1390.6
10°	1340.4	1348.0	1367.8	1388.9	1410.5	1428.6	1438.0	1445.6	1448.5	1449.7	1446.7
12.5°	1391.2	1402.3	1428.0	1453.8	1476.6	1492.3	1494.7	1492.9	1484.7	1477.7	1477.7
15°	1453.8	1463.7	1492.3	1520.4	1542.6	1545.5	1530.9	1521.6	1511.6	1509.9	1509.9
17.5°	1528.6	1533.8	1560.2	1587.6	1589.4	1579.4	1557.8	1549.0	1539.7	1533.3	1533.8
20°	1615.7	1613.9	1632.6	1644.3	1632.1	1601.7	1568.9	1554.3	1545.0	1537.4	1537.9
22.5°	1719.7	1706.3	1703.9	1701.0	1668.3	1604.6	1560.2	1541.4	1526.8	1516.3	1519.8
25°	1871.1	1819.7	1784.0	1764.2	1690.5	1588.8	1532.1	1490.6	1463.1	1445.0	1452.0
27.5°	2060.5	1974.0	1884.0	1835.5	1690.5	1556.6	1464.3	1397.1	1352.1	1333.3	1342.7
30°	2241.1	2150.5	2017.9	1921.4	1686.4	1504.0	1355.0	1261.4	1208.8	1190.1	1201.2
32.5°	2395.5	2296.7	2159.9	2015.5	1676.5	1418.7	1219.4	1115.9	1065.0	1042.8	1053.9
35°	2538.7	2433.5	2302.5	2119.0	1650.2	1293.6	1070.3	991.4	934.7	899.0	910.7
37.5°	2685.4	2560.3	2437.6	2212.5	1602.8	1147.5	955.7	888.5	821.9	773.9	786.8
40°	2845.0	2695.3	2581.9	2268.0	1525.1	1008.3	866.9	805.5	734.8	683.9	693.9
42.5°	3031.5	2857.3	2742.7	2296.7	1418.7	909.6	809.0	748.8	682.2	640.7	648.8
45°	3226.1	3035.5	2889.4	2296.1	1300.0	863.4	790.3	730.7	657.0	613.8	620.8
47.5°	3430.1	3222.0	3016.3	2258.7	1197.1	869.8	779.8	691.5	610.3	568.2	574.0
50°	3634.7	3426.0	3139.0	2188.5	1153.3	855.8	740.6	636.6	540.7	502.7	505.0
52.5°	3837.5	3642.9	3244.8	2088.6	1108.9	803.7	690.3	565.3	512.1	485.8	485.8
55°	4041.5	3857.4	3360.0	1943.0	997.8	743.0	606.2	538.4	489.3	465.3	463.0
57.5°	4246.1	4105.3	3469.3	1797.5	858.1	668.1	560.0	505.6	466.5	446.0	442.5
60°	4458.9	4388.8	3582.1	1663.6	720.2	572.3	526.1	479.3	439.6	416.8	415.0
62.5°	4678.1	4700.9	3670.4	1491.2	593.3	513.8	495.7	447.8	409.2	387.6	387.0
65°	4899.1	5002.0	3728.2	1252.1	481.1	458.3	463.0	413.3	374.1	355.4	354.8
67.5°	5065.7	5218.8	3711.9	947.5	394.6	405.7	422.0	377.0	340.2	325.6	326.2
70°	5084.4	5193.1	3550.5	648.8	330.3	354.2	376.4	341.4	303.4	292.9	293.4
72.5°	4835.4	4842.4	3101.0	423.8	279.4	311.0	328.5	305.1	268.3	257.8	257.2
75°	4182.4	4004.7	2276.8	279.4	233.8	267.1	283.5	267.1	231.5	233.8	225.6
77.5°	3168.8	2836.2	1382.4	198.7	195.2	224.5	246.7	235.0	204.6	229.7	202.3
80°	1632.6	1534.4	616.7	148.5	154.3	179.5	202.8	187.6	161.9	154.3	140.9
82.5°	374.1	434.9	243.2	106.4	111.6	129.2	154.9	140.9	116.3	98.2	97.0
85°	130.9	143.2	107.6	66.6	65.5	80.7	105.2	94.1	78.9	63.1	66.6
87.5°	41.5	54.4	40.3	26.9	28.1	36.2	48.5	44.4	36.8	24.0	25.1
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)