

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: P945550

Luminaire Tested: **GALN-SB1C-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945550
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1C-722-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6151 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 54.4
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

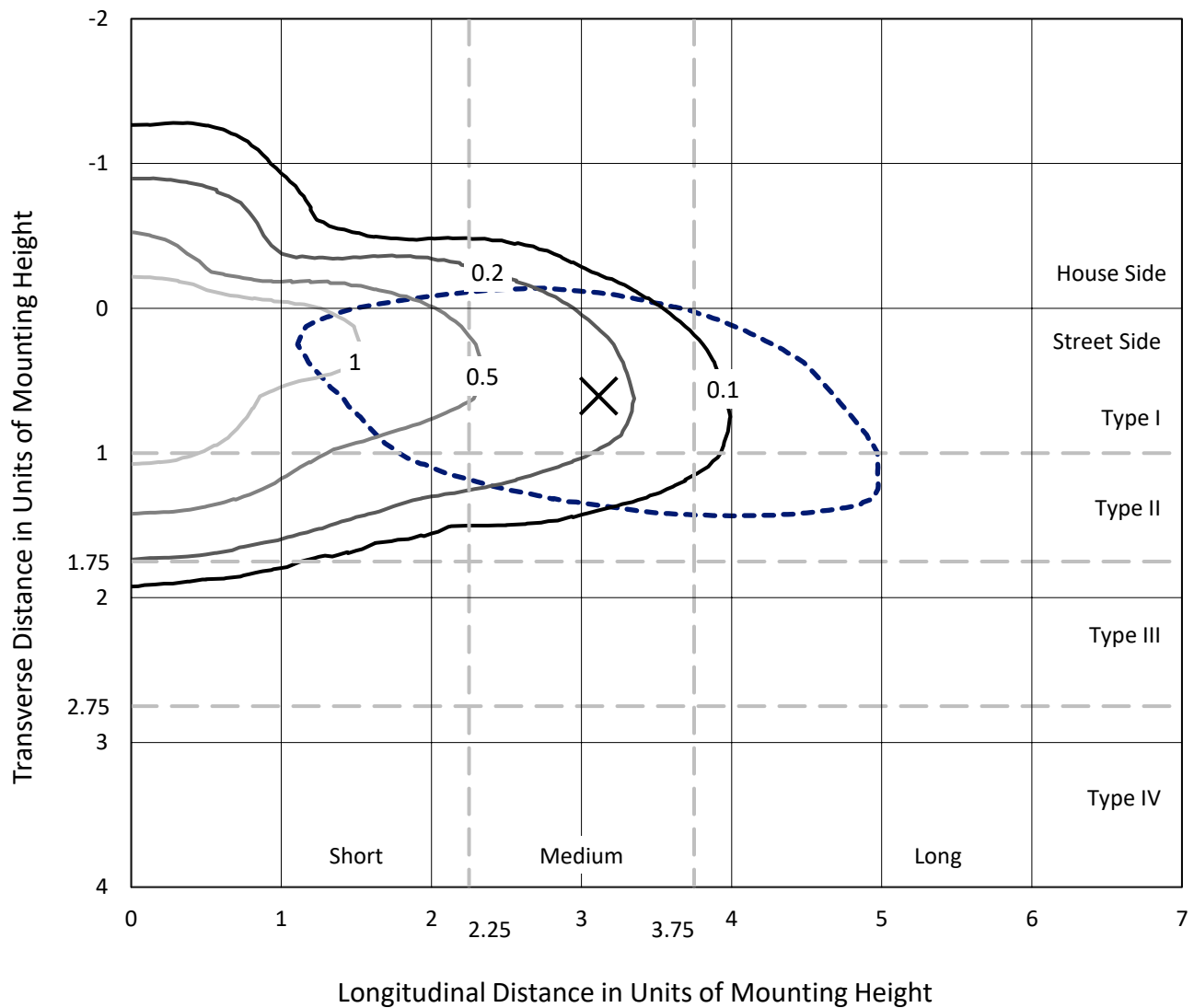


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Iso-Footcandle Lines of Horizontal Illumination

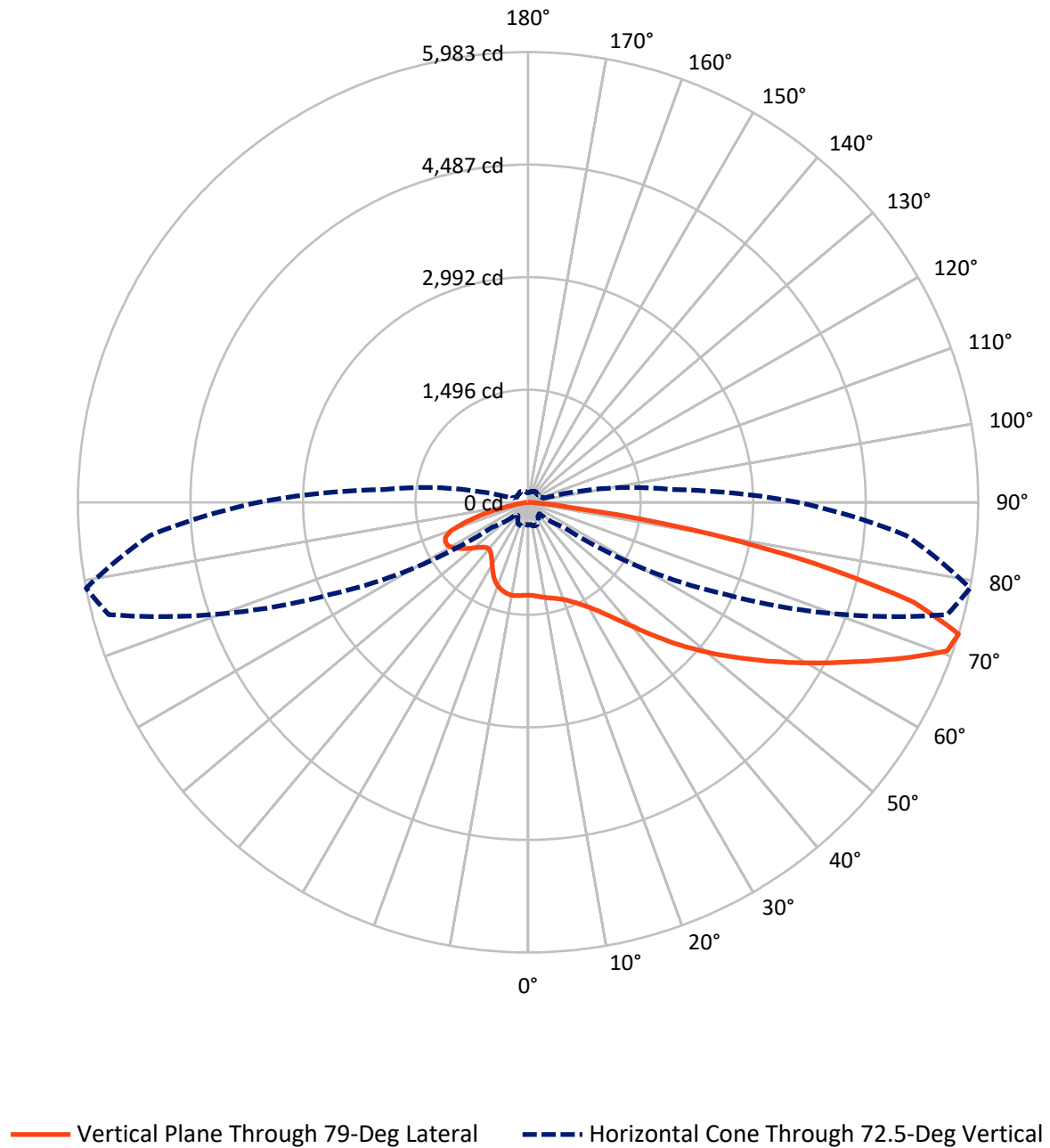
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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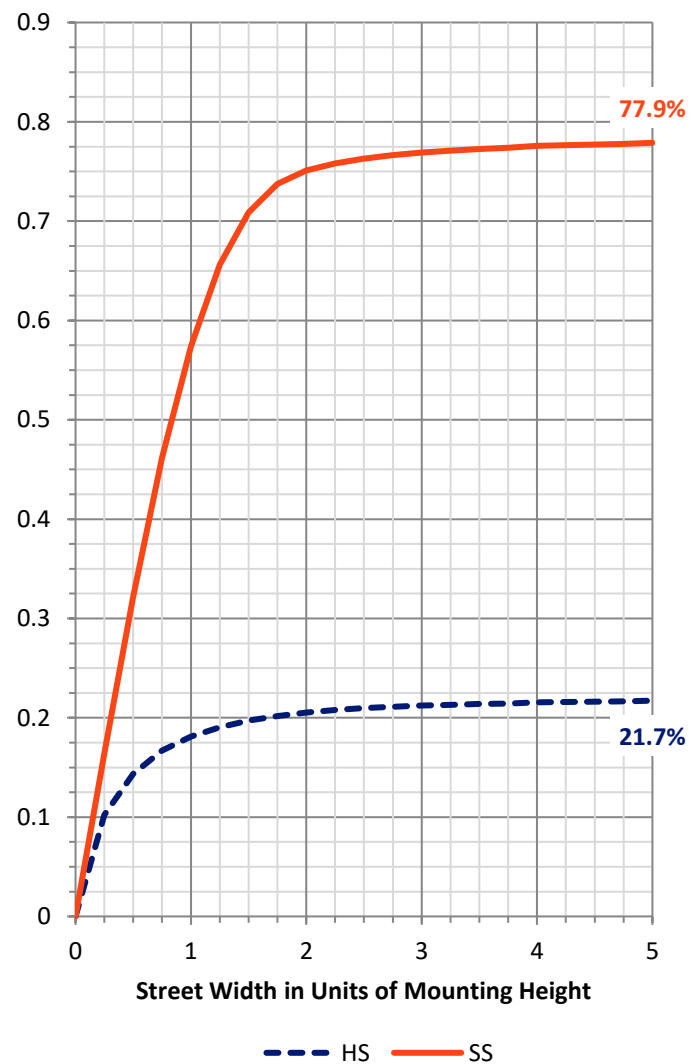
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1353.6	0.0	1353.6
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	4797.4	0.0	4797.4
	% Fixture	78.0	0.0	78.0
Total	Lumens	6151.0	0.0	6151.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.1	1.8
10°-20°	293.0	4.8
20°-30°	472.8	7.7
30°-40°	709.7	11.5
40°-50°	1006.7	16.4
50°-60°	1271.3	20.7
60°-70°	1291.2	21.0
70°-80°	880.0	14.3
80°-90°	114.2	1.9
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°	6151.0	100.0
0°-180°	6151.0	100.0

Coefficient of Utilization



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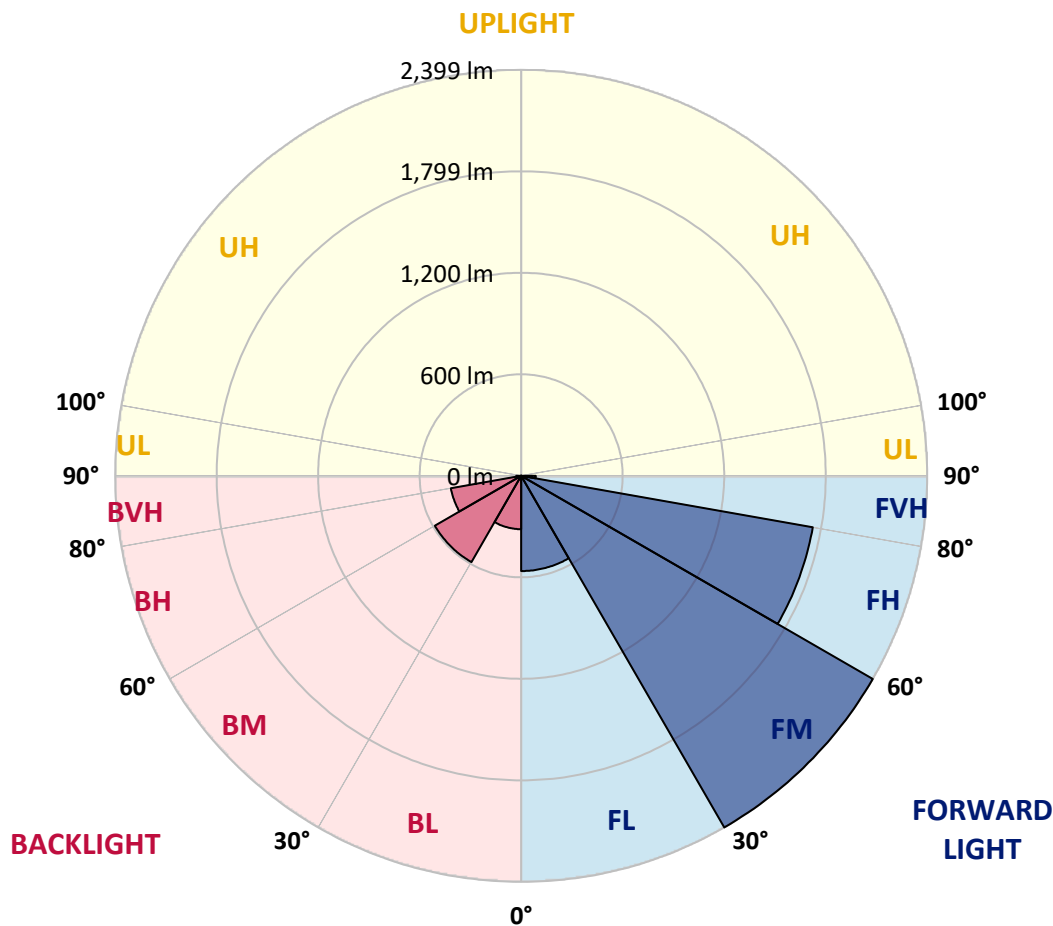
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	562.7	9.1			
FM	(30°-60°)	2399.0	39.0			
FH	(60°-80°)	1749.8	28.4			G1/1800
FVH	(80°-90°)	86.0	1.4			G1/100
BL	(0°-30°)	315.3	5.1	B1/500		
BM	(30°-60°)	588.7	9.6	B1/1000		
BH	(60°-80°)	421.5	6.9	B1/500		G1/500
BVH	(80°-90°)	28.2	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	1234.8	1234.8	1234.8	1234.8	1234.8	1234.8	1234.8	1234.8	1234.8	1234.8	1234.8
2.5°	1235.4	1229.5	1233.1	1231.8	1233.5	1235.4	1236.1	1237.0	1240.3	1240.0	1239.6
5°	1232.8	1226.9	1231.8	1230.2	1234.4	1239.0	1242.9	1246.5	1251.7	1254.0	1250.7
7.5°	1227.3	1223.4	1228.2	1233.1	1240.9	1247.8	1253.3	1261.4	1268.9	1270.2	1272.5
10°	1195.1	1192.1	1203.5	1216.2	1237.7	1256.2	1268.3	1277.7	1285.8	1287.1	1290.4
12.5°	1161.5	1158.0	1170.7	1187.9	1222.7	1256.2	1281.6	1294.0	1301.1	1305.4	1310.2
15°	1156.0	1153.1	1160.2	1175.2	1204.2	1247.4	1290.7	1313.5	1319.7	1324.6	1326.5
17.5°	1182.7	1177.2	1180.1	1185.3	1202.2	1239.3	1297.9	1335.6	1345.1	1350.3	1350.3
20°	1244.5	1236.7	1232.2	1221.7	1218.8	1240.6	1297.2	1362.3	1374.7	1381.2	1382.8
22.5°	1326.8	1321.6	1311.9	1285.5	1256.9	1256.6	1309.6	1396.5	1419.6	1425.7	1421.8
25°	1426.4	1418.6	1406.2	1370.4	1315.4	1288.1	1330.4	1440.1	1478.8	1480.4	1469.0
27.5°	1540.9	1529.2	1512.3	1465.1	1390.9	1337.6	1362.3	1490.2	1546.8	1546.1	1522.7
30°	1661.6	1649.9	1632.0	1574.8	1481.4	1404.3	1406.5	1544.2	1627.5	1623.9	1583.9
32.5°	1749.8	1741.0	1737.4	1693.2	1585.5	1483.0	1457.3	1604.0	1727.0	1723.8	1667.8
35°	1817.5	1806.1	1810.3	1787.9	1699.0	1571.2	1519.4	1675.3	1848.1	1847.7	1778.1
37.5°	1884.5	1874.4	1878.0	1863.0	1804.1	1683.1	1595.3	1762.5	1998.1	2005.2	1911.5
40°	1945.7	1934.9	1949.3	1935.3	1885.8	1802.2	1681.5	1861.1	2171.8	2185.5	2072.9
42.5°	1982.4	1974.0	1997.7	1998.1	1956.7	1902.7	1776.2	1969.8	2372.9	2403.5	2271.4
45°	1995.1	1992.2	2028.0	2035.5	2019.5	1961.0	1861.4	2088.2	2589.6	2644.2	2497.5
47.5°	1981.5	1975.9	2025.4	2053.0	2065.7	1988.3	1932.0	2216.4	2810.8	2890.9	2744.1
50°	1912.5	1901.8	1975.3	2033.5	2078.7	2006.2	2003.3	2364.4	3062.3	3149.8	2992.0
52.5°	1788.5	1780.4	1864.0	1965.2	2050.1	2015.0	2083.3	2526.1	3301.1	3414.4	3246.2
55°	1630.1	1619.3	1711.4	1843.5	1978.9	2012.0	2163.3	2707.0	3582.9	3697.8	3508.7
57.5°	1378.9	1357.4	1473.9	1630.1	1862.7	2008.5	2246.6	2887.0	3869.2	4006.9	3788.9
60°	1012.5	980.6	1123.5	1308.6	1635.6	1973.7	2349.8	3088.7	4212.8	4336.8	4094.7
62.5°	589.6	571.0	664.4	837.2	1232.8	1768.7	2407.7	3323.3	4550.5	4680.7	4395.3
65°	457.8	452.6	460.7	474.1	686.2	1324.2	2229.1	3552.0	4980.0	5071.1	4708.7
67.5°	418.7	414.8	418.4	393.4	348.1	737.6	1763.5	3609.9	5440.1	5495.4	4982.9
70°	372.2	367.7	379.4	357.9	274.0	335.4	1139.4	3399.7	5806.1	5909.9	5191.5
72.5°	303.2	298.0	325.4	315.6	230.7	215.4	572.3	2900.3	5767.7	5983.1	5042.2
75°	233.0	230.0	262.6	270.7	188.1	169.5	274.6	2155.9	5075.7	5292.7	4345.6
77.5°	180.9	178.6	195.2	224.8	151.6	131.4	168.9	1367.5	3825.0	3863.0	2994.6
80°	135.7	129.2	144.5	174.1	118.1	96.0	114.5	797.5	2417.8	2191.6	1303.4
82.5°	84.9	81.7	94.4	116.2	83.3	66.0	74.5	440.5	968.9	570.7	251.5
85°	48.5	47.2	51.4	66.4	45.2	38.1	42.6	194.6	177.0	121.7	75.8
87.5°	19.5	18.9	23.4	29.6	16.6	14.0	15.0	46.9	39.0	36.1	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1234.8	1234.8	1234.8	1234.8	1234.8	1234.8	1234.8	1234.8	1234.8	1234.8	1234.8
2.5°	1238.3	1238.3	1233.8	1226.6	1218.5	1213.3	1204.8	1202.5	1193.8	1191.2	1195.4
5°	1253.3	1250.7	1236.7	1216.5	1188.9	1163.5	1135.5	1117.9	1093.2	1084.4	1090.9
7.5°	1272.2	1265.0	1240.9	1196.7	1138.8	1081.8	1022.6	977.7	934.8	919.5	921.4
10°	1289.4	1279.3	1238.3	1160.9	1060.7	962.1	867.7	801.7	751.6	731.1	735.6
12.5°	1306.7	1288.1	1221.1	1101.4	949.7	816.0	715.5	664.1	633.2	608.4	616.6
15°	1322.9	1296.9	1194.4	1021.6	828.1	692.4	618.2	577.2	552.5	536.2	539.1
17.5°	1341.8	1304.4	1154.4	920.5	712.2	606.8	546.3	521.6	516.7	514.7	516.0
20°	1368.2	1311.2	1101.7	807.2	627.0	538.5	507.2	505.0	504.6	503.7	506.9
22.5°	1396.5	1319.3	1032.1	704.4	554.4	495.9	490.3	485.8	482.8	482.5	486.1
25°	1430.0	1322.0	944.9	620.1	492.6	475.7	469.2	462.3	460.4	460.4	462.3
27.5°	1462.5	1313.2	843.3	546.9	457.8	457.1	448.7	446.4	446.1	447.0	449.7
30°	1495.0	1296.6	742.5	479.3	437.6	437.6	434.7	436.3	437.6	440.9	443.1
32.5°	1539.0	1279.0	658.2	429.2	420.0	416.8	419.7	423.0	424.3	428.5	432.1
35°	1603.4	1266.6	591.2	401.8	401.8	397.6	399.2	398.6	395.6	393.7	398.2
37.5°	1688.6	1266.0	535.9	389.1	386.5	385.9	386.2	382.0	370.6	356.9	357.2
40°	1791.1	1283.6	493.3	380.4	378.4	382.3	380.4	369.0	337.7	314.0	313.3
42.5°	1928.8	1333.7	465.9	369.6	375.5	380.4	372.5	333.2	312.0	296.1	295.4
45°	2090.8	1415.0	451.9	358.2	369.9	375.8	338.1	320.8	303.9	284.7	283.4
47.5°	2274.3	1517.5	448.7	347.5	357.6	361.2	323.4	315.6	296.4	275.6	274.0
50°	2474.1	1638.9	457.5	334.8	339.7	327.3	318.5	311.4	291.5	271.0	268.8
52.5°	2680.7	1772.6	475.0	317.6	321.8	308.1	316.6	310.4	288.6	260.9	259.0
55°	2883.7	1907.3	491.9	297.4	303.6	290.9	311.0	306.5	275.3	244.0	242.4
57.5°	3090.0	2041.3	508.5	279.5	286.0	274.3	302.3	296.1	260.3	228.4	227.8
60°	3304.4	2171.5	516.4	262.2	266.8	259.0	288.9	278.2	243.4	212.5	211.5
62.5°	3505.1	2279.8	503.7	245.0	247.9	244.7	271.4	257.0	226.5	194.6	194.2
65°	3706.5	2344.2	464.6	228.1	228.7	227.1	246.6	234.3	206.6	178.9	177.0
67.5°	3889.1	2380.4	402.5	209.9	208.2	207.6	223.5	209.5	187.4	163.3	161.4
70°	3927.8	2288.6	307.5	188.4	188.4	186.8	198.1	183.8	166.3	146.7	146.1
72.5°	3587.5	1925.2	218.3	164.0	166.6	163.3	172.8	160.7	144.8	131.8	127.9
75°	2892.8	1411.8	158.8	138.9	143.5	138.0	146.7	138.3	124.6	124.3	111.9
77.5°	1987.6	873.0	115.2	114.5	117.8	110.6	120.7	116.2	103.8	98.3	92.1
80°	848.2	348.1	83.9	88.5	88.5	82.0	93.7	95.0	84.3	81.7	81.7
82.5°	168.9	98.9	58.9	60.8	57.3	55.3	66.4	73.5	101.5	112.9	113.2
85°	50.8	36.4	35.5	33.2	29.3	29.6	39.0	73.9	91.1	52.1	44.9
87.5°	14.0	9.1	9.4	7.5	6.2	8.1	13.3	56.0	30.6	13.0	11.1
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)