

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: P945203

Luminaire Tested: **GALN-SB1B-722-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945203
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-SB1B-722-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4716 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 39.8
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



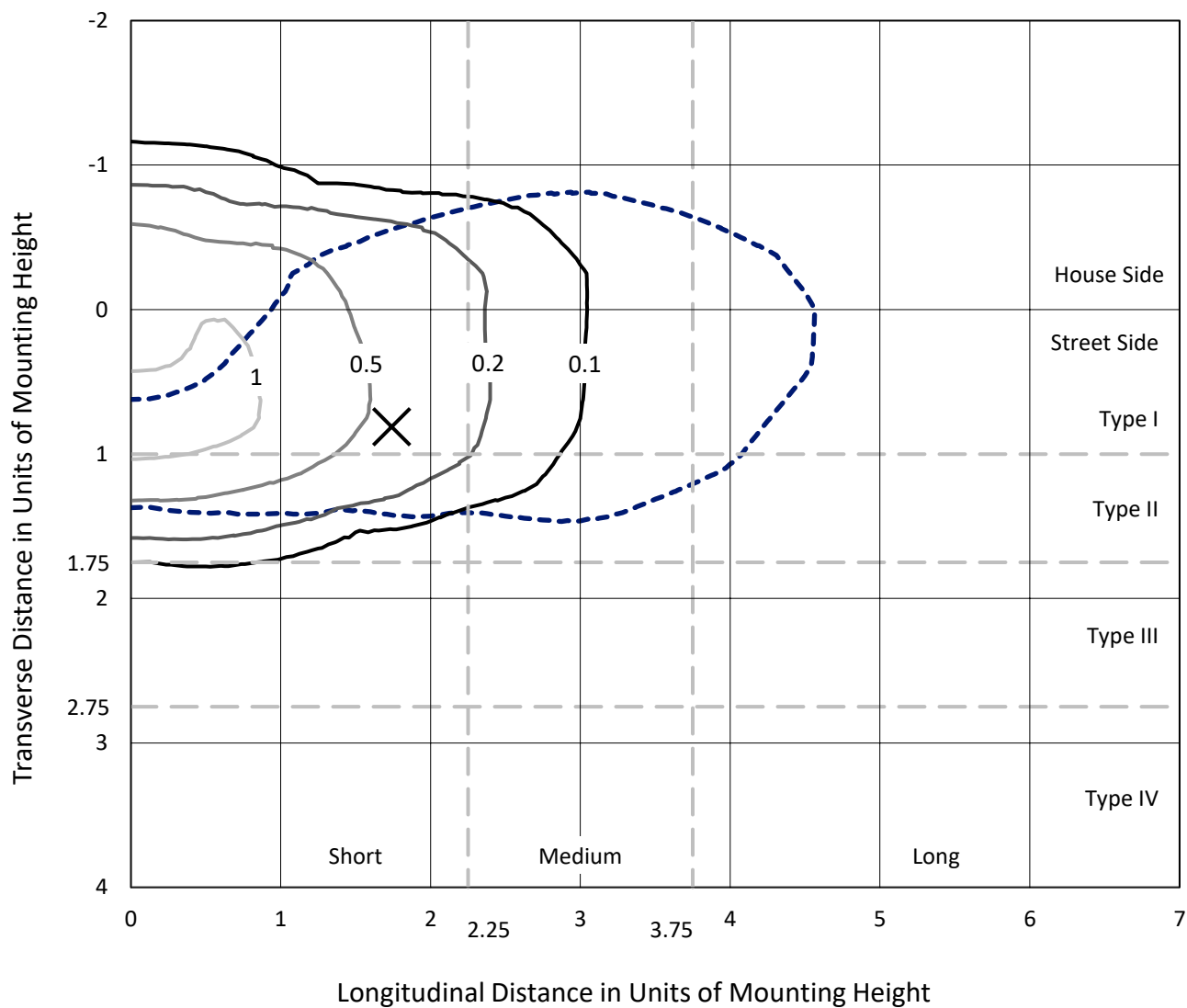
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

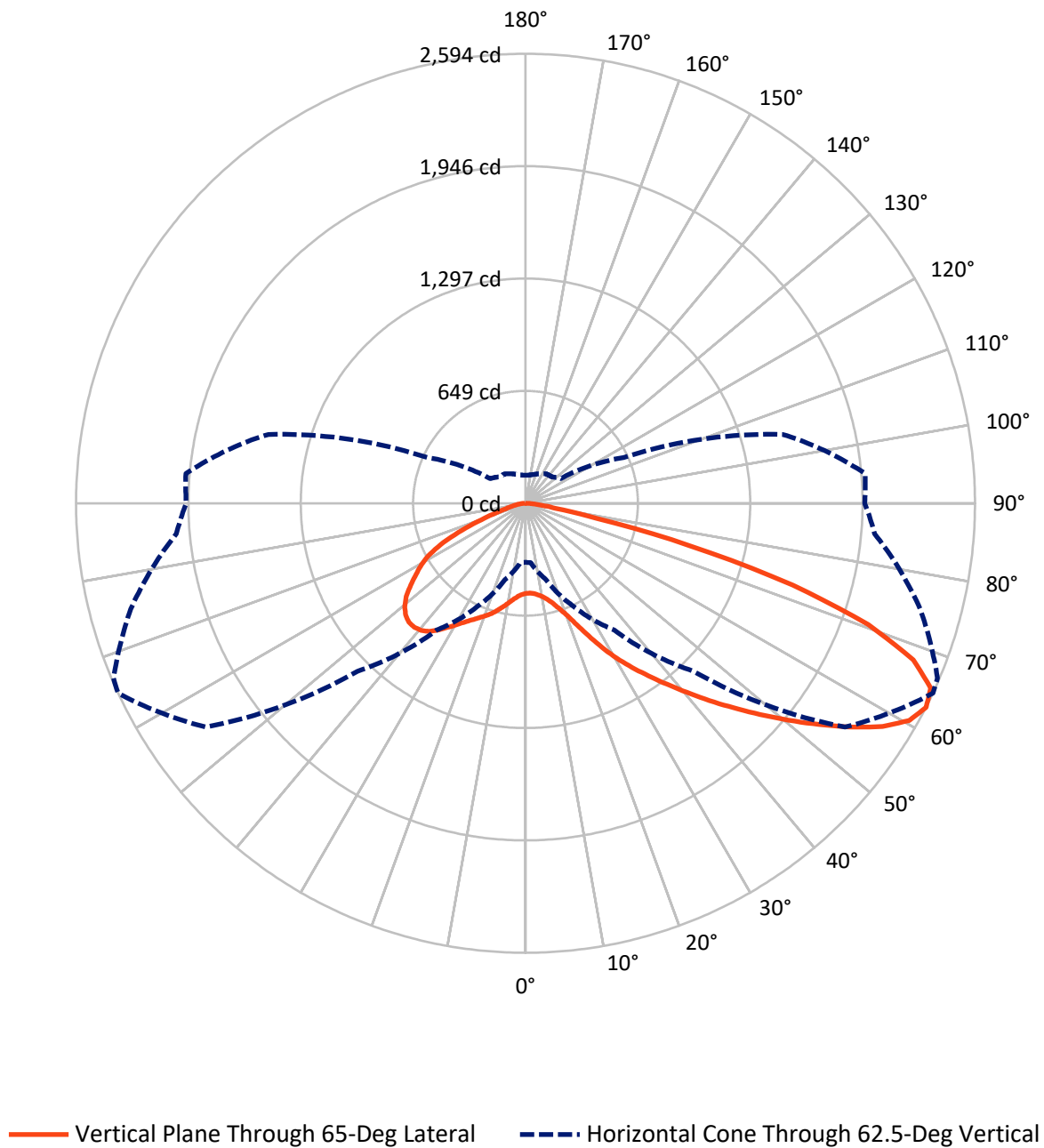
--- 1/2 Max cd



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Luminous Intensity Polar Plot



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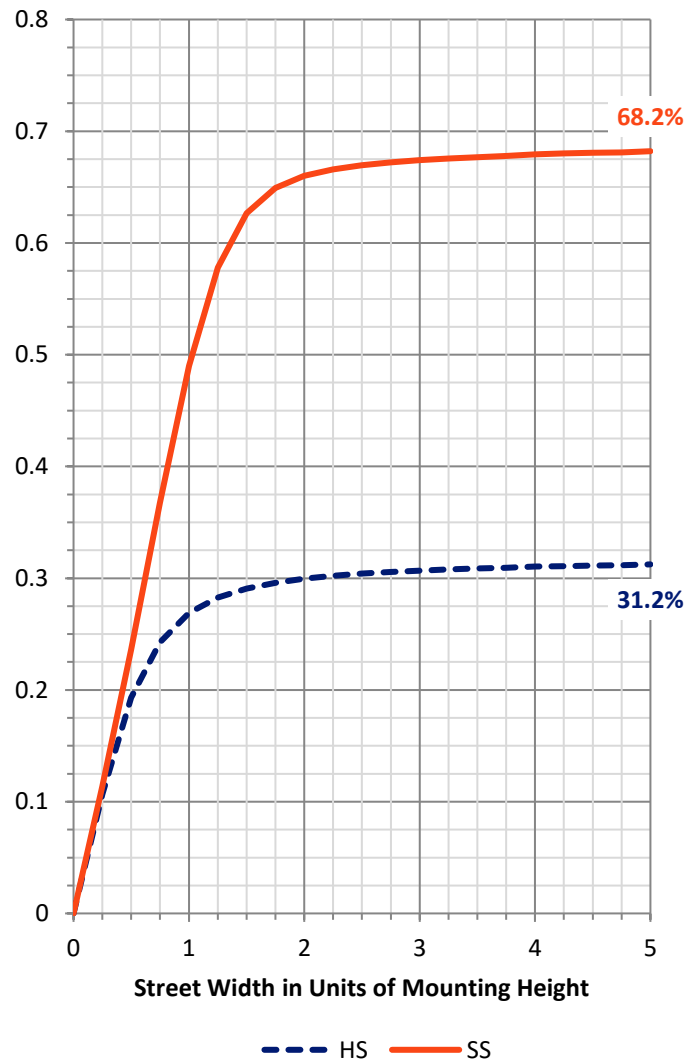
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1488.2	0.0	1488.2
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	3227.8	0.0	3227.8
	% Fixture	68.4	0.0	68.4
Total	Lumens	4716.0	0.0	4716.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.8	1.1
10°-20°	175.7	3.7
20°-30°	356.2	7.6
30°-40°	616.5	13.1
40°-50°	932.9	19.8
50°-60°	1093.8	23.2
60°-70°	917.0	19.4
70°-80°	506.3	10.7
80°-90°	65.8	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°	4716.0	100.0
0°-180°	4716.0	100.0

Coefficient of Utilization



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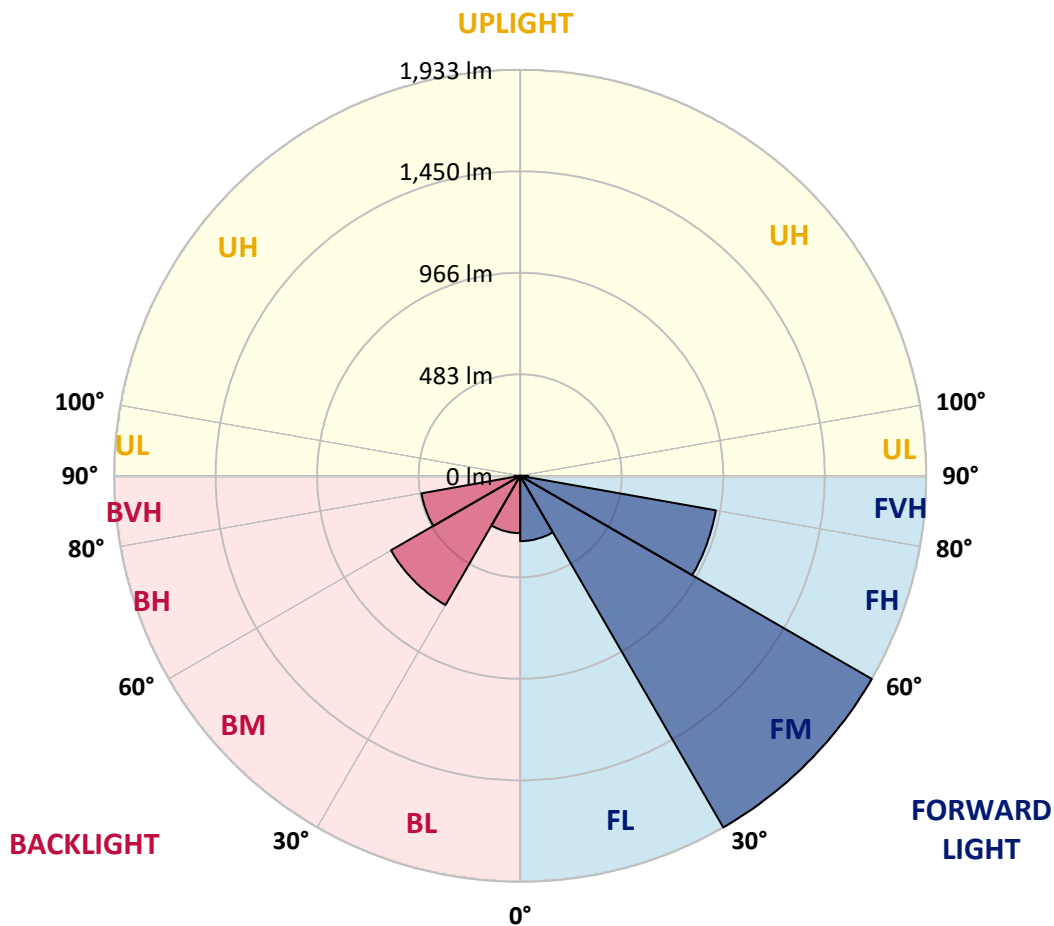
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	310.8	6.6			
FM	(30°-60°)	1932.8	41.0			
FH	(60°-80°)	945.9	20.1			G1/1800
FVH	(80°-90°)	38.3	0.8			G1/100
BL	(0°-30°)	272.9	5.8	B1/500		
BM	(30°-60°)	710.4	15.1	B1/1000		
BH	(60°-80°)	477.4	10.1	B1/500		G1/500
BVH	(80°-90°)	27.4	0.6			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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7
2.5°	516.3	514.8	516.0	516.0	516.5	516.3	518.0	518.5	519.2	520.7	520.7
5°	511.1	510.9	513.1	515.0	517.0	518.7	520.9	524.1	524.6	526.3	528.5
7.5°	509.4	507.9	511.4	513.8	518.5	522.6	528.5	533.9	536.1	536.8	541.0
10°	522.6	520.2	523.4	524.8	528.7	532.9	539.7	548.3	550.8	553.7	558.3
12.5°	545.1	542.4	547.1	549.3	553.0	556.6	561.3	569.6	570.8	576.2	580.6
15°	576.0	572.8	575.7	578.4	584.5	587.9	592.6	600.7	600.7	604.8	608.0
17.5°	617.8	613.6	615.8	616.8	620.7	625.9	633.7	640.8	644.5	643.0	638.6
20°	680.2	675.0	675.0	670.2	668.7	672.8	683.1	692.9	696.8	689.2	678.5
22.5°	773.9	766.6	762.4	745.8	739.2	739.6	749.9	761.9	765.1	751.6	727.4
25°	893.1	881.6	875.9	851.5	836.5	823.6	831.6	847.1	851.5	834.8	795.7
27.5°	1012.2	1012.9	1007.6	978.2	953.5	929.8	925.6	941.7	946.4	927.6	879.1
30°	1179.3	1161.9	1151.7	1116.4	1081.2	1047.9	1030.8	1037.4	1038.6	1016.1	959.8
32.5°	1323.4	1319.0	1297.0	1266.2	1220.9	1168.8	1140.2	1129.6	1127.7	1095.6	1028.8
35°	1487.6	1485.2	1461.9	1425.2	1376.3	1303.9	1252.2	1222.1	1219.7	1174.7	1097.1
37.5°	1654.5	1654.5	1631.7	1591.6	1540.9	1450.4	1371.9	1324.2	1316.3	1257.6	1166.6
40°	1787.6	1779.5	1783.7	1766.8	1708.8	1612.6	1504.7	1435.5	1425.0	1354.5	1240.5
42.5°	1863.2	1860.5	1885.4	1904.3	1880.5	1803.7	1651.0	1556.1	1541.4	1461.2	1325.6
45°	1880.1	1877.1	1921.7	1990.6	2023.9	1992.4	1810.1	1683.1	1665.2	1572.7	1416.9
47.5°	1841.2	1835.3	1900.6	2009.5	2116.2	2171.7	1982.3	1820.8	1794.9	1681.4	1510.6
50°	1724.2	1718.6	1817.4	1962.0	2147.2	2293.6	2169.3	1966.9	1927.3	1797.8	1605.3
52.5°	1470.0	1472.7	1627.6	1826.2	2106.4	2369.4	2330.3	2120.8	2073.1	1917.0	1694.1
55°	1145.1	1150.9	1341.3	1560.0	1942.9	2357.9	2440.1	2279.4	2231.9	2029.1	1785.9
57.5°	819.9	845.8	1024.2	1240.7	1629.0	2175.6	2464.1	2430.1	2384.1	2151.4	1875.7
60°	531.4	536.1	719.6	937.8	1240.5	1851.7	2415.4	2544.3	2508.4	2276.2	1950.8
62.5°	340.6	343.8	455.6	656.0	892.8	1369.9	2251.5	2594.0	2583.0	2358.6	2022.9
65°	250.3	247.9	306.1	433.6	601.4	844.9	1933.2	2570.0	2591.8	2410.3	2082.6
67.5°	208.9	205.5	234.2	300.2	443.1	479.8	1430.4	2414.2	2493.9	2404.4	2126.4
70°	190.4	187.4	204.8	222.9	345.7	321.3	721.0	2098.8	2221.6	2337.6	2119.3
72.5°	161.2	156.1	179.8	197.9	268.9	246.4	298.0	1612.1	1761.9	2123.5	2019.5
75°	125.0	121.6	141.9	174.2	202.1	192.3	188.4	978.9	1142.4	1642.2	1766.8
77.5°	99.1	94.4	113.0	135.8	181.8	145.1	137.3	421.6	583.5	1048.4	1322.0
80°	74.6	70.5	85.9	107.4	139.7	109.4	88.8	172.0	220.0	531.2	664.8
82.5°	53.1	49.4	59.9	78.8	94.0	98.1	54.6	96.4	108.4	204.8	148.5
85°	34.0	31.8	40.1	49.4	59.7	63.1	33.3	50.4	55.3	84.4	61.9
87.5°	18.6	15.2	21.5	23.0	27.6	25.2	15.9	18.4	19.8	30.6	26.2
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°	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7	519.7
2.5°	521.6	522.4	524.8	525.6	527.3	529.5	530.9	532.4	532.4	533.9	533.9
5°	528.7	530.4	535.6	538.3	542.7	547.1	549.8	553.0	554.9	555.9	556.4
7.5°	542.4	545.1	552.5	557.1	564.7	570.8	575.0	579.4	580.4	583.1	582.1
10°	561.0	564.2	572.5	581.3	590.4	598.0	601.9	605.1	606.3	606.8	605.6
12.5°	582.3	587.0	597.7	608.5	618.0	624.6	625.6	624.9	621.5	618.5	618.5
15°	608.5	612.7	624.6	636.4	645.7	646.9	640.8	636.9	632.7	632.0	632.0
17.5°	639.8	642.0	653.0	664.5	665.3	661.1	652.1	648.4	644.5	641.8	642.0
20°	676.3	675.5	683.4	688.3	683.1	670.4	656.7	650.6	646.7	643.5	643.7
22.5°	719.8	714.2	713.2	712.0	698.3	671.6	653.0	645.2	639.1	634.7	636.1
25°	783.2	761.7	746.7	738.4	707.6	665.0	641.3	623.9	612.4	604.8	607.8
27.5°	862.5	826.3	788.6	768.3	707.6	651.6	612.9	584.8	565.9	558.1	562.0
30°	938.1	900.1	844.6	804.2	705.9	629.5	567.1	528.0	506.0	498.2	502.8
32.5°	1002.7	961.3	904.1	843.6	701.7	593.8	510.4	467.1	445.8	436.5	441.1
35°	1062.6	1018.6	963.8	886.9	690.7	541.5	448.0	415.0	391.2	376.3	381.2
37.5°	1124.0	1071.7	1020.3	926.1	670.9	480.3	400.0	371.9	344.0	323.9	329.3
40°	1190.8	1128.2	1080.7	949.3	638.3	422.1	362.8	337.2	307.6	286.3	290.4
42.5°	1268.9	1196.0	1148.0	961.3	593.8	380.7	338.6	313.4	285.5	268.2	271.6
45°	1350.3	1270.6	1209.4	961.1	544.1	361.4	330.8	305.8	275.0	256.9	259.8
47.5°	1435.7	1348.6	1262.5	945.4	501.1	364.1	326.4	289.4	255.4	237.8	240.3
50°	1521.4	1434.0	1313.9	916.1	482.7	358.2	310.0	266.4	226.3	210.4	211.4
52.5°	1606.3	1524.8	1358.2	874.2	464.1	336.4	289.0	236.6	214.3	203.3	203.3
55°	1691.7	1614.6	1406.4	813.3	417.7	311.0	253.7	225.3	204.8	194.8	193.8
57.5°	1777.3	1718.3	1452.1	752.4	359.2	279.7	234.4	211.6	195.2	186.7	185.2
60°	1866.4	1837.0	1499.3	696.3	301.4	239.5	220.2	200.6	184.0	174.5	173.7
62.5°	1958.1	1967.7	1536.3	624.2	248.3	215.1	207.5	187.4	171.3	162.2	162.0
65°	2050.6	2093.7	1560.5	524.1	201.4	191.8	193.8	173.0	156.6	148.8	148.5
67.5°	2120.3	2184.4	1553.7	396.6	165.2	169.8	176.7	157.8	142.4	136.3	136.5
70°	2128.2	2173.7	1486.1	271.6	138.2	148.3	157.6	142.9	127.0	122.6	122.8
72.5°	2023.9	2026.9	1298.0	177.4	117.0	130.2	137.5	127.7	112.3	107.9	107.7
75°	1750.6	1676.2	953.0	117.0	97.9	111.8	118.7	111.8	96.9	97.9	94.4
77.5°	1326.4	1187.1	578.6	83.2	81.7	94.0	103.3	98.4	85.6	96.2	84.7
80°	683.4	642.3	258.1	62.1	64.6	75.1	84.9	78.5	67.8	64.6	59.0
82.5°	156.6	182.0	101.8	44.5	46.7	54.1	64.8	59.0	48.7	41.1	40.6
85°	54.8	59.9	45.0	27.9	27.4	33.8	44.0	39.4	33.0	26.4	27.9
87.5°	17.4	22.8	16.9	11.3	11.7	15.2	20.3	18.6	15.4	10.0	10.5
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)