

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: P938887

Luminaire Tested: **GALN-SB1B-722-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938887
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
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-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4656 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - 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



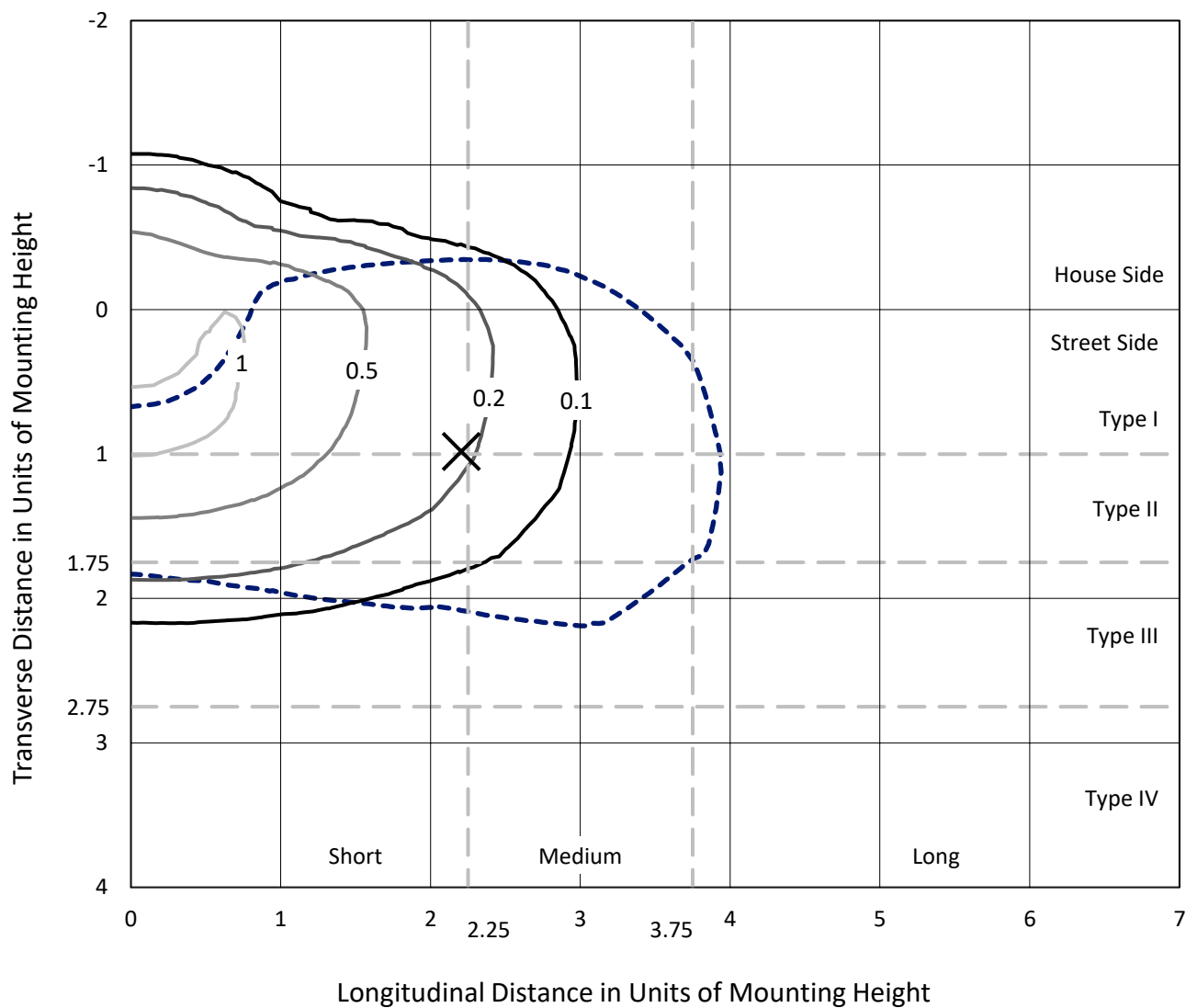
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

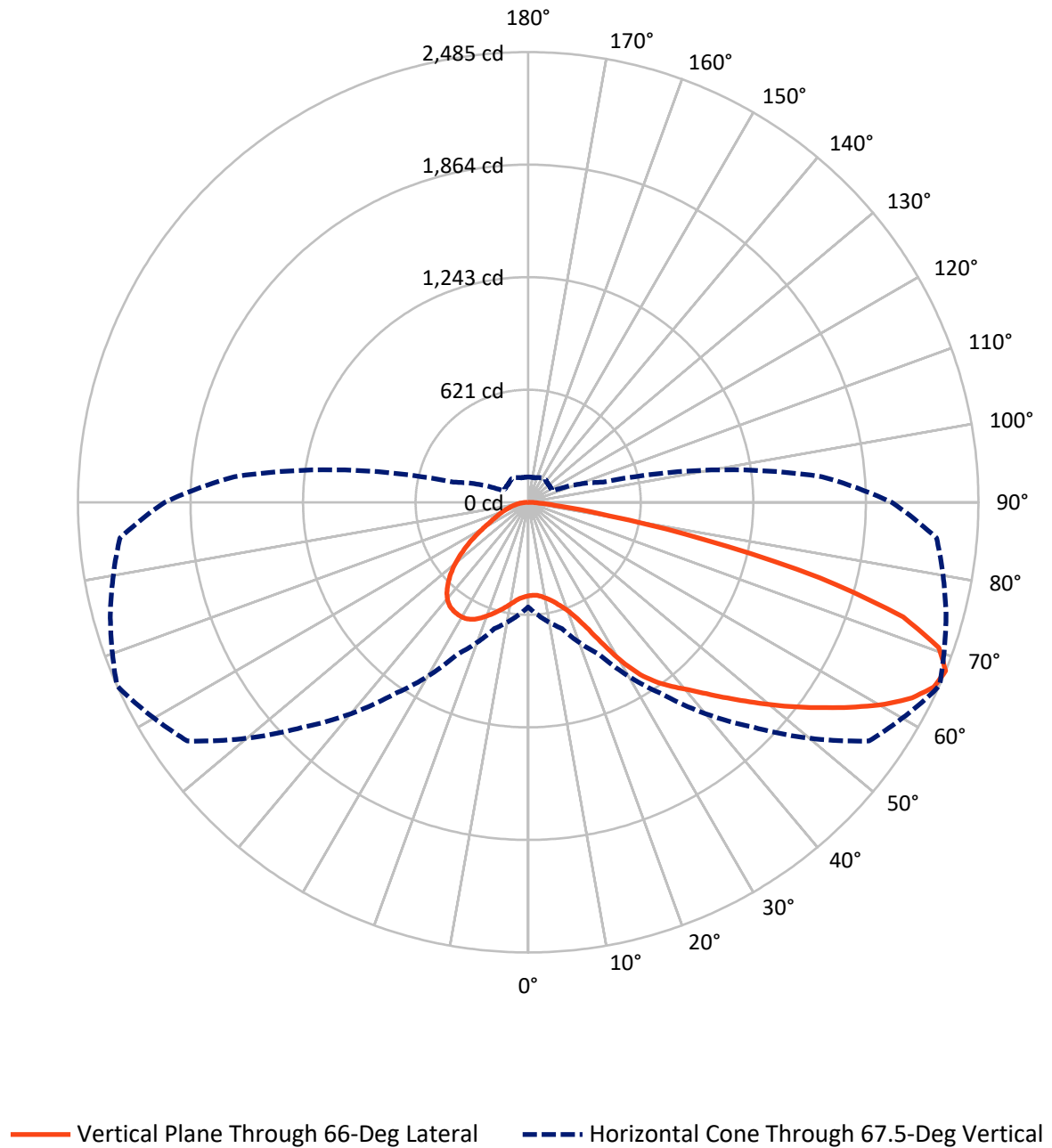


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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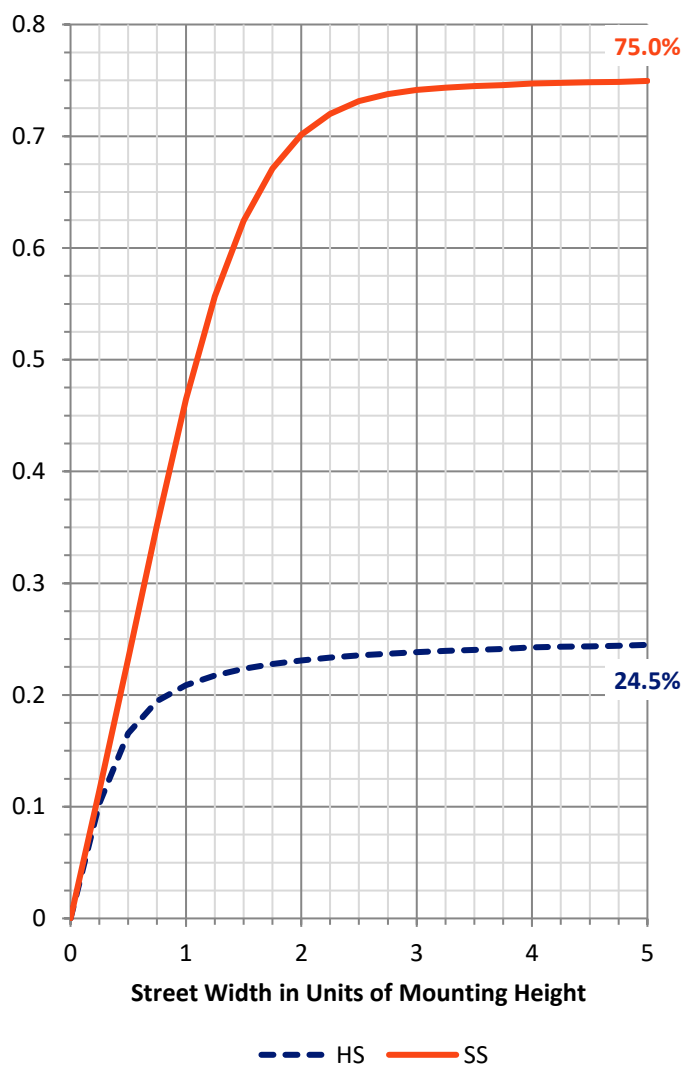
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1157.7	0.0	1157.7
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	3498.3	0.0	3498.3
	% Fixture	75.1	0.0	75.1
Total	Lumens	4656.0	0.0	4656.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.2	1.1
10°-20°	169.2	3.6
20°-30°	326.0	7.0
30°-40°	571.7	12.3
40°-50°	849.9	18.3
50°-60°	1077.3	23.1
60°-70°	1054.1	22.6
70°-80°	502.8	10.8
80°-90°	53.7	1.2
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°	4656.0	100.0
0°-180°	4656.0	100.0

Coefficient of Utilization



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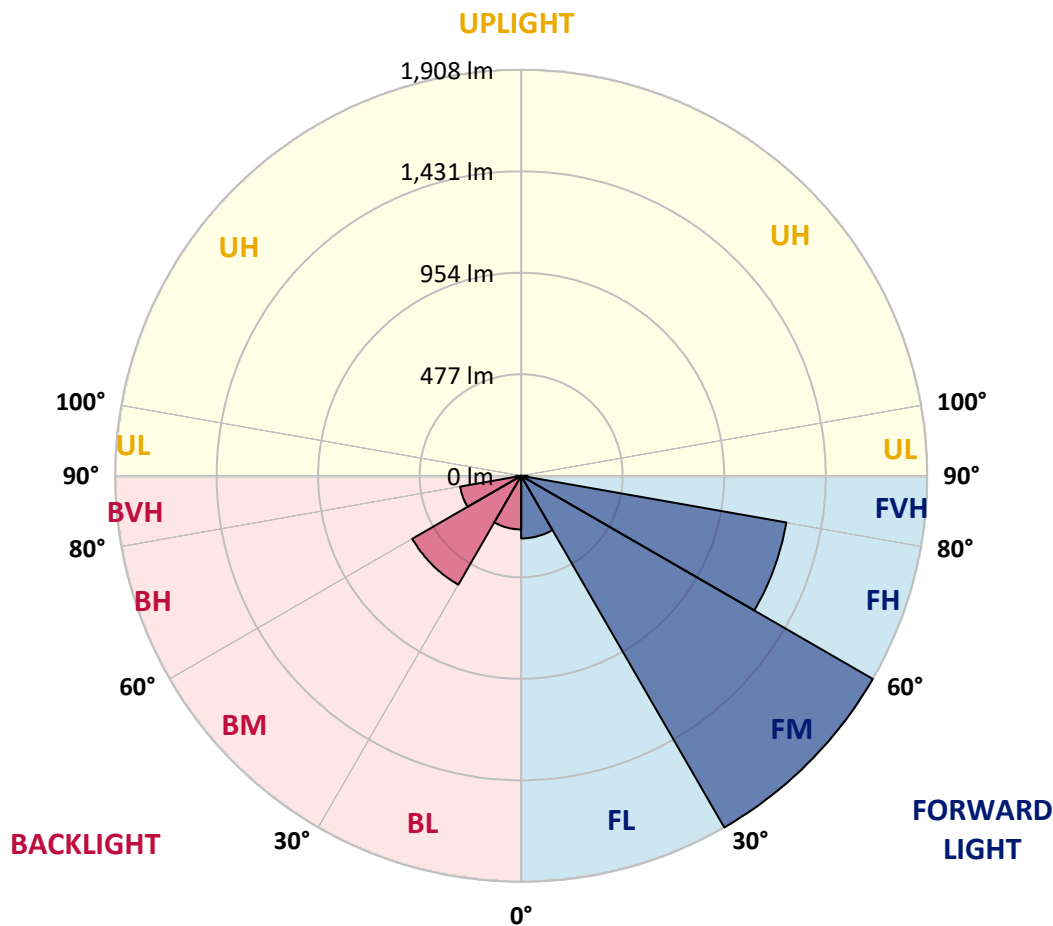
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	294.2	6.3			
FM	(30°-60°)	1908.0	41.0			
FH	(60°-80°)	1265.6	27.2			G1/1800
FVH	(80°-90°)	30.5	0.7			G1/100
BL	(0°-30°)	252.2	5.4	B1/500		
BM	(30°-60°)	590.9	12.7	B1/1000		
BH	(60°-80°)	291.3	6.3	B1/500		G1/500
BVH	(80°-90°)	23.3	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4
2.5°	511.0	514.0	513.2	512.0	511.8	512.3	513.0	513.7	513.5	514.7	516.7
5°	509.6	512.5	512.3	512.3	513.2	515.2	516.4	517.6	516.4	517.9	520.6
7.5°	510.5	512.7	513.7	514.7	517.1	520.8	523.8	526.4	525.0	526.7	530.1
10°	523.0	524.7	525.7	525.7	527.4	531.6	534.5	539.4	538.2	540.9	545.3
12.5°	545.8	547.5	547.5	546.5	547.7	550.4	551.4	556.8	554.6	559.0	563.4
15°	573.7	577.1	574.4	572.7	573.2	575.9	575.6	579.8	577.6	581.2	585.2
17.5°	604.5	608.9	604.5	604.2	603.3	606.2	606.4	610.1	606.2	608.9	611.6
20°	640.9	647.0	643.4	644.6	642.4	643.6	644.8	650.2	644.1	646.1	645.3
22.5°	692.3	699.6	695.7	700.4	698.9	697.9	697.7	707.2	697.7	698.4	691.3
25°	767.2	776.0	769.1	775.5	775.5	778.7	782.3	794.6	778.7	774.0	755.7
27.5°	877.7	886.5	873.1	877.0	875.8	883.6	879.7	910.0	892.9	885.3	848.4
30°	1010.8	1026.5	1001.0	1000.0	998.8	1011.3	1016.9	1037.0	1019.6	1012.0	967.5
32.5°	1154.6	1171.0	1140.7	1131.9	1127.3	1134.8	1130.2	1146.3	1134.3	1122.6	1067.6
35°	1306.8	1323.0	1294.1	1277.0	1258.4	1242.5	1225.8	1230.0	1218.7	1200.9	1143.9
37.5°	1450.7	1480.3	1449.7	1431.3	1397.1	1366.0	1319.5	1300.2	1289.7	1273.3	1215.8
40°	1597.2	1614.1	1590.8	1575.2	1538.0	1489.3	1414.9	1374.1	1359.9	1344.0	1295.3
42.5°	1705.1	1721.2	1708.7	1698.0	1668.9	1612.4	1516.2	1465.1	1444.5	1426.7	1385.3
45°	1790.7	1802.7	1794.8	1798.8	1786.3	1731.5	1621.2	1562.7	1541.4	1519.6	1487.1
47.5°	1825.2	1837.9	1850.4	1873.6	1894.9	1854.5	1733.9	1668.4	1645.9	1623.6	1591.6
50°	1821.3	1834.2	1870.4	1919.8	1985.9	1972.4	1852.8	1780.9	1760.1	1734.7	1705.1
52.5°	1790.0	1804.6	1851.1	1933.3	2038.5	2060.8	1973.9	1897.1	1877.5	1847.2	1817.6
55°	1707.8	1716.6	1786.3	1902.7	2051.0	2122.4	2092.6	2020.9	2001.3	1959.0	1926.7
57.5°	1555.4	1568.1	1669.6	1820.3	2019.7	2164.2	2196.8	2151.0	2132.2	2071.3	2037.5
60°	1356.5	1376.8	1493.0	1681.8	1939.9	2164.0	2291.4	2279.0	2263.3	2181.8	2146.6
62.5°	1131.4	1154.9	1266.7	1486.1	1800.5	2102.6	2350.6	2386.1	2378.0	2283.9	2238.8
65°	868.9	885.1	996.4	1232.9	1583.5	1970.7	2357.5	2459.3	2460.7	2361.4	2287.0
67.5°	578.5	625.0	721.7	925.2	1292.9	1755.2	2297.3	2471.2	2485.4	2388.1	2262.8
70°	282.3	343.5	438.1	601.3	925.2	1424.7	2140.0	2372.9	2404.5	2310.3	2118.5
72.5°	117.2	137.0	188.6	296.7	531.1	961.4	1824.0	2106.3	2164.7	2047.1	1781.1
75°	79.0	85.6	107.9	152.2	241.9	474.1	1315.4	1570.5	1664.7	1546.1	1263.8
77.5°	60.9	65.1	78.5	106.4	143.8	179.3	704.0	946.5	995.2	921.3	657.6
80°	47.9	51.1	58.7	77.5	102.0	95.9	240.0	428.8	457.0	383.3	211.4
82.5°	41.6	42.8	42.1	52.6	67.8	56.0	78.8	158.3	174.7	126.7	69.0
85°	30.1	33.5	35.0	32.5	36.0	28.4	32.3	56.0	61.6	55.0	38.9
87.5°	12.2	18.1	22.3	21.0	13.2	8.1	10.0	16.4	18.8	20.5	12.7
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°	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4	516.4
2.5°	516.9	518.6	519.8	521.3	522.3	523.8	526.7	528.4	528.6	529.9	529.6
5°	521.5	524.0	526.7	530.6	535.0	538.7	544.3	548.2	549.7	550.9	550.7
7.5°	531.6	535.0	539.9	546.7	553.1	558.0	564.8	569.5	574.1	575.9	576.1
10°	546.5	551.4	558.5	567.8	574.6	581.0	588.1	592.0	596.7	598.6	599.6
12.5°	565.1	570.2	579.5	592.5	598.9	603.3	605.7	604.7	605.7	607.4	607.9
15°	586.4	592.0	602.5	616.5	620.9	617.0	611.6	606.7	605.9	606.4	608.1
17.5°	611.6	615.7	628.0	639.7	636.5	620.4	608.6	600.8	596.9	595.7	597.4
20°	646.8	646.8	656.8	664.2	642.9	615.5	597.1	584.4	576.3	572.9	572.2
22.5°	689.6	685.7	692.1	686.9	641.7	601.8	576.3	554.3	542.1	537.2	536.5
25°	743.9	739.3	737.6	705.8	632.9	580.0	538.7	512.0	501.2	498.6	499.0
27.5°	825.9	814.1	791.9	716.0	616.7	545.8	494.6	469.9	463.8	464.1	464.8
30°	935.0	911.5	856.9	717.7	590.3	497.3	449.6	432.0	429.1	430.3	434.5
32.5°	1036.0	1013.7	923.5	709.9	549.7	449.9	409.3	397.5	393.1	394.6	396.5
35°	1115.3	1109.1	985.1	698.9	499.8	405.4	373.1	363.0	354.5	352.5	354.0
37.5°	1190.1	1187.7	1031.4	683.5	450.4	373.8	343.9	330.7	318.3	311.4	311.7
40°	1272.3	1269.9	1061.7	659.8	406.6	346.4	317.8	300.4	285.0	272.5	273.7
42.5°	1364.8	1350.4	1076.1	625.8	369.4	323.2	296.5	273.0	252.7	241.2	241.9
45°	1465.8	1433.3	1075.9	582.5	338.1	301.9	273.7	240.5	221.6	210.9	210.4
47.5°	1573.0	1512.5	1062.7	534.5	307.7	278.4	238.5	213.1	200.6	194.0	192.5
50°	1683.5	1586.7	1040.2	479.5	276.7	251.7	216.5	199.1	189.6	183.5	181.3
52.5°	1787.5	1653.9	1013.0	417.1	245.1	225.8	206.7	193.3	183.2	176.4	173.4
55°	1884.1	1711.9	974.6	353.2	219.4	208.4	202.1	190.8	179.3	171.2	168.1
57.5°	1970.0	1749.6	908.3	293.3	201.1	196.4	197.2	186.7	173.4	166.6	162.2
60°	2041.4	1777.2	810.2	237.8	186.2	184.7	189.6	178.8	163.4	155.6	152.2
62.5°	2084.2	1776.7	689.9	194.7	173.4	173.9	179.6	169.0	153.4	146.0	143.8
65°	2080.6	1733.2	557.8	166.6	161.2	161.7	169.0	158.3	145.1	140.7	140.4
67.5°	2006.9	1627.0	427.9	148.2	147.8	150.0	158.5	150.9	139.9	139.4	140.2
70°	1807.6	1406.6	308.2	133.6	133.8	137.0	148.2	146.3	137.2	138.2	138.0
72.5°	1449.4	1072.5	207.0	118.2	118.4	123.5	138.5	142.6	134.5	147.5	149.5
75°	965.3	668.8	133.1	101.8	102.0	108.6	129.9	135.5	127.2	147.0	148.2
77.5°	463.8	300.6	96.4	85.6	85.6	91.7	112.3	121.3	108.4	114.2	104.7
80°	160.2	113.0	75.8	69.0	67.5	71.7	94.7	105.2	93.4	86.1	80.7
82.5°	63.1	58.7	60.9	53.6	48.7	51.4	73.6	86.8	68.7	62.1	61.9
85°	36.2	38.2	43.1	35.5	28.1	31.6	54.1	62.4	51.9	45.7	46.7
87.5°	9.8	13.5	19.8	18.3	12.7	13.5	25.7	34.5	29.8	23.0	23.7
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)