

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: P648265

Luminaire Tested: **GALN-SA2B-835-U-SL3-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P648265
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2B-835-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7411.9 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

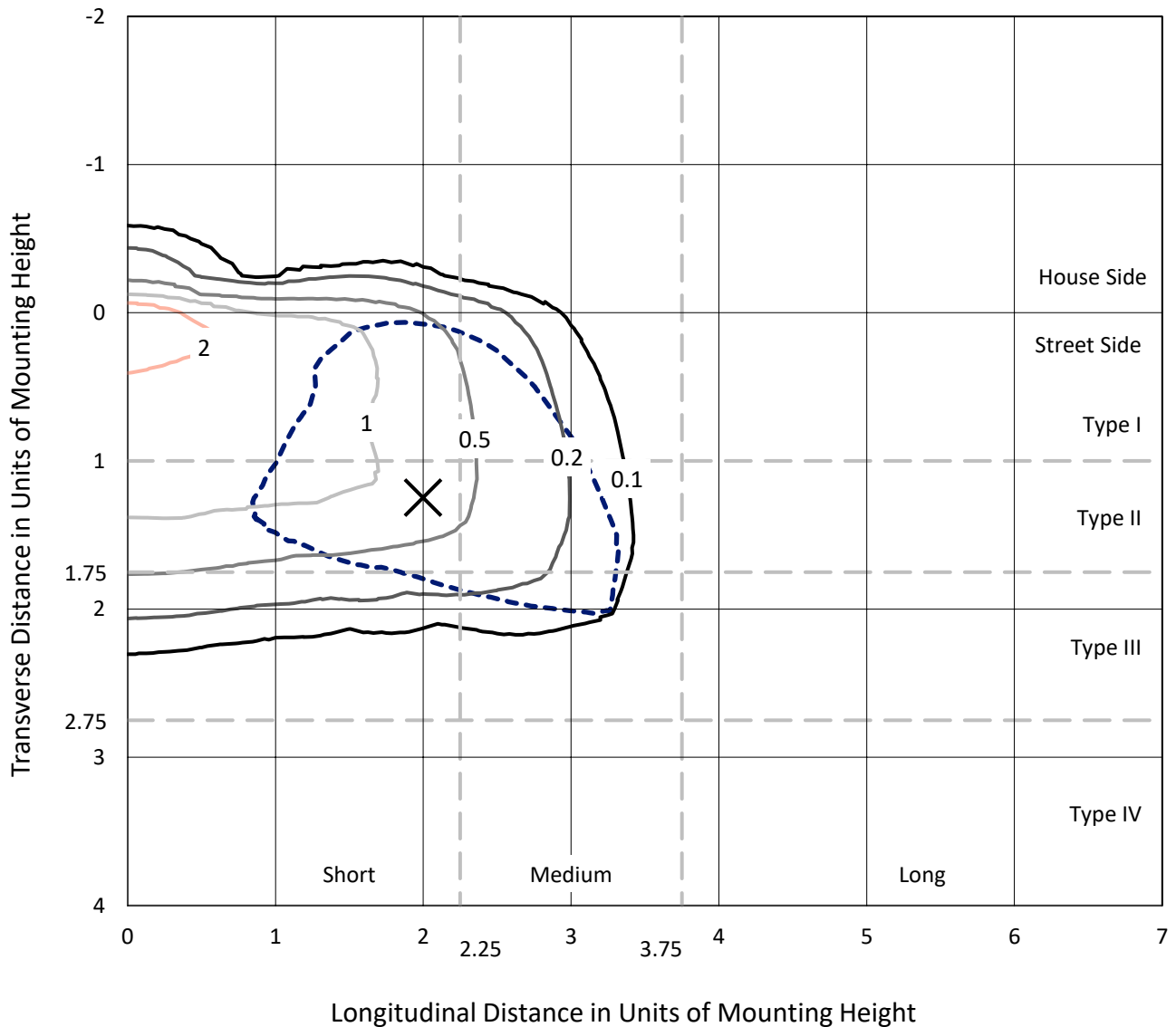
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P648265
 CATALOG NUMBER: GALN-SA2B-835-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

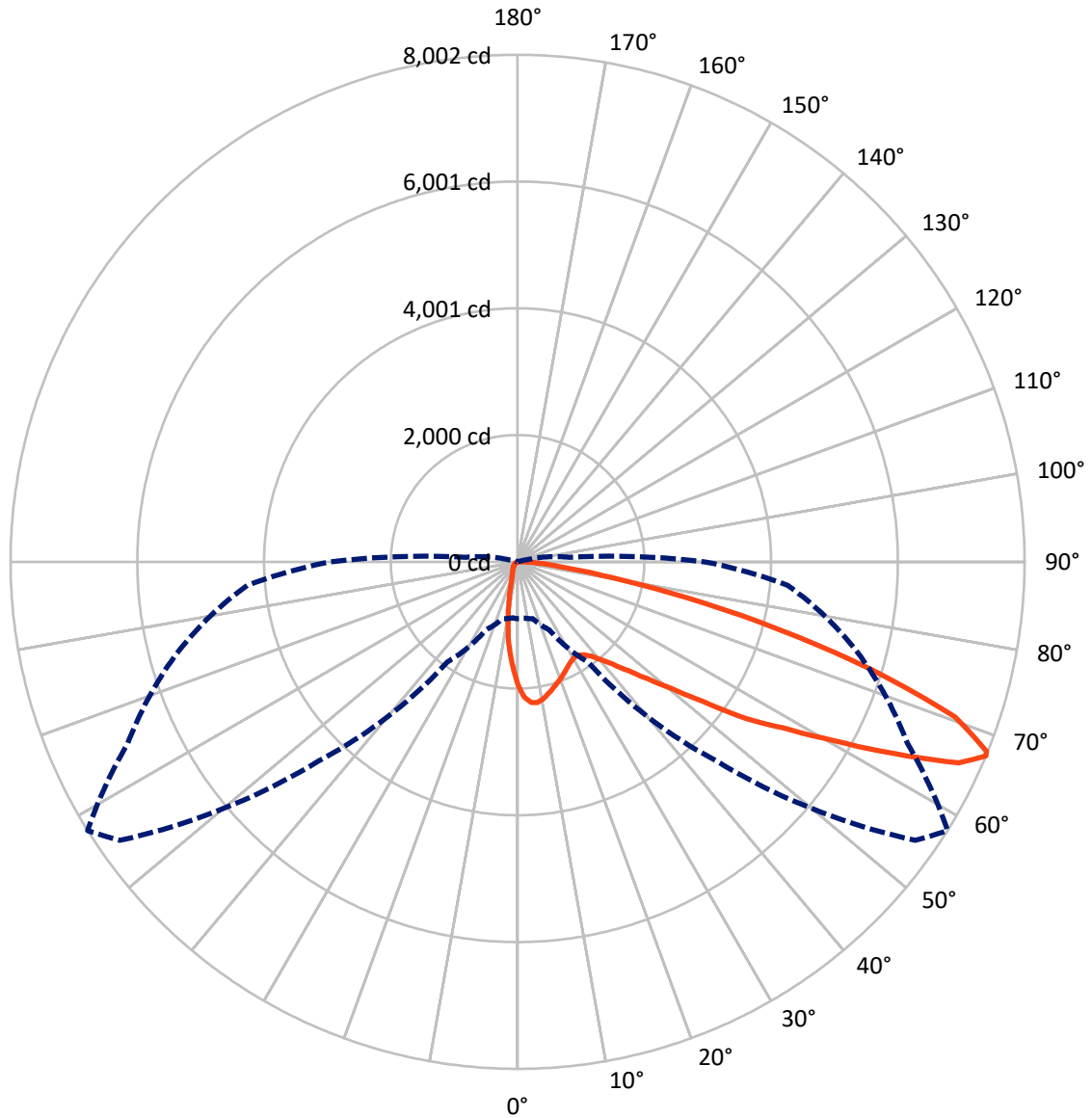
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type III - Short - N/A

REPORT NUMBER: P648265
CATALOG NUMBER: GALN-SA2B-835-U-SL3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P648265
 CATALOG NUMBER: GALN-SA2B-835-U-SL3-HSS

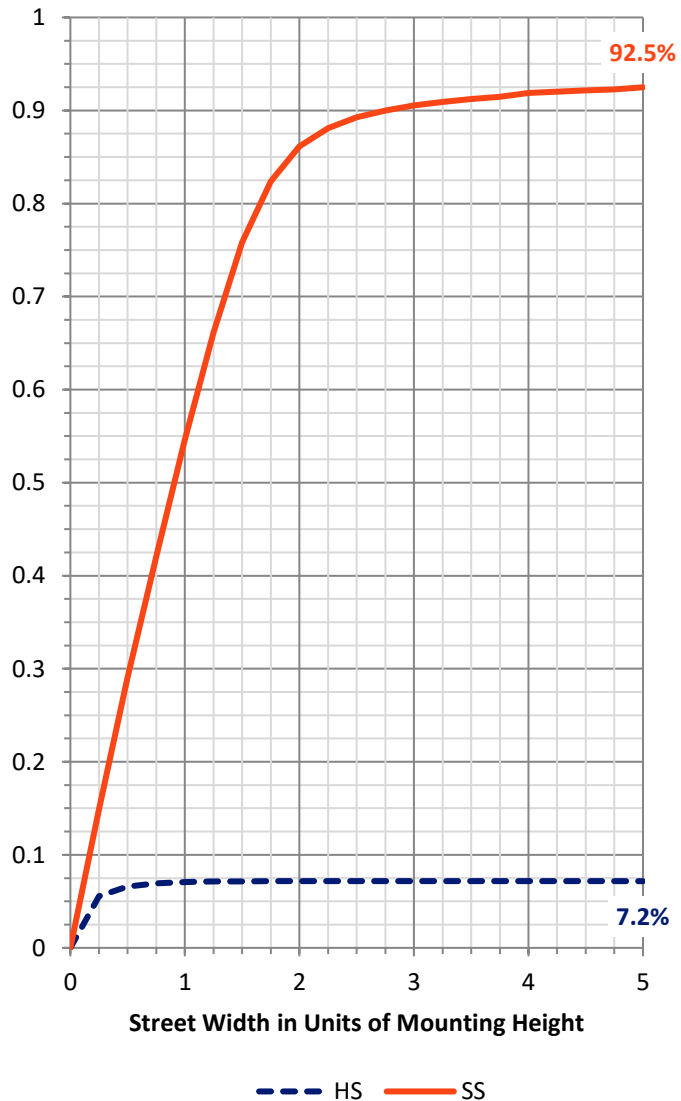
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	534.9	0.0	534.9
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	6877.0	0.0	6877.0
	% Fixture	92.8	0.0	92.8
Total	Lumens	7411.9	0.0	7411.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.4	2.2
10°-20°	344.4	4.6
20°-30°	466.6	6.3
30°-40°	647.2	8.7
40°-50°	1032.2	13.9
50°-60°	1784.2	24.1
60°-70°	2038.1	27.5
70°-80°	849.7	11.5
80°-90°	90.1	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°	7411.9	100.0
0°-180°	7411.9	100.0

Coefficient of Utilization

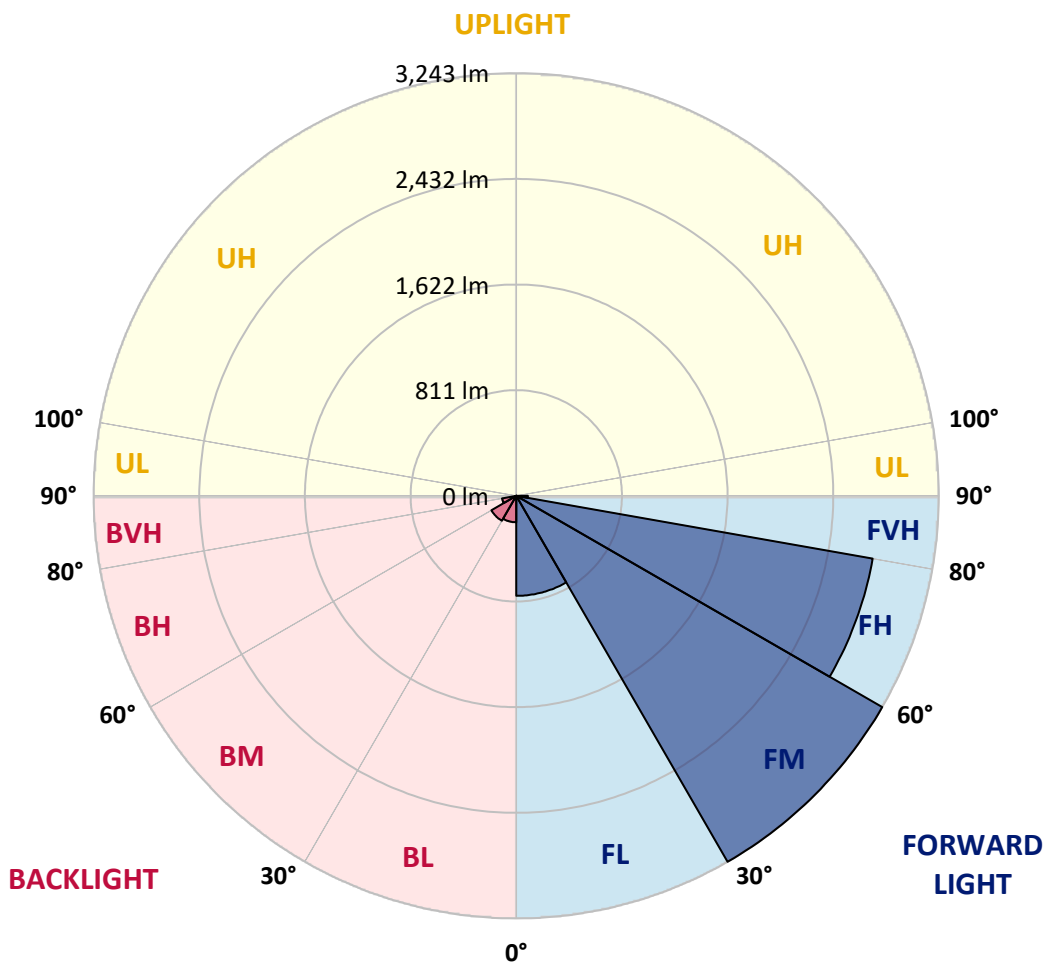


REPORT NUMBER: P648265
 CATALOG NUMBER: GALN-SA2B-835-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	767.3	10.4			
FM (30°-60°)	3243.0	43.8			
FH (60°-80°)	2777.2	37.5			G2/5000
FVH (80°-90°)	89.4	1.2			G1/100
BL (0°-30°)	203.1	2.7	B1/500		
BM (30°-60°)	220.5	3.0	B1/1000		
BH (60°-80°)	110.6	1.5	B1/500		G1/500
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Short





REPORT NUMBER: P648265

CATALOG NUMBER: GALN-SA2B-835-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1964.8	1964.8	1964.8	1964.8	1964.8	1964.8	1964.8	1964.8	1964.8	1964.8	1964.8
2.5°	2280.3	2283.8	2270.9	2260.5	2233.7	2205.0	2166.9	2146.6	2111.9	2052.0	1985.6
5°	2333.8	2338.3	2336.3	2333.8	2323.4	2295.7	2247.1	2229.3	2178.3	2080.7	1960.9
7.5°	2215.0	2231.3	2233.3	2252.6	2270.9	2273.4	2255.0	2241.7	2194.7	2080.2	1916.8
10°	2057.4	2068.4	2084.2	2106.5	2150.6	2187.2	2205.0	2203.0	2175.8	2064.8	1865.3
12.5°	1898.5	1904.4	1928.7	1966.8	2020.8	2083.2	2130.8	2140.2	2140.6	2046.5	1822.2
15°	1761.8	1759.2	1778.1	1822.2	1898.0	1976.2	2061.4	2076.3	2100.0	2028.7	1782.0
17.5°	1644.8	1657.8	1660.7	1709.3	1779.1	1880.6	1989.1	2015.4	2062.9	2013.3	1748.9
20°	1572.6	1579.5	1585.9	1613.1	1676.1	1783.0	1921.2	1957.4	2028.2	1999.5	1711.7
22.5°	1551.3	1555.7	1550.3	1558.7	1603.3	1698.3	1847.4	1895.5	1995.0	1986.6	1681.5
25°	1567.6	1572.0	1559.2	1549.2	1564.6	1629.5	1776.1	1834.6	1968.3	1984.1	1658.7
27.5°	1607.2	1615.6	1597.8	1580.0	1571.1	1592.4	1720.2	1788.0	1950.0	1996.0	1648.3
30°	1669.1	1674.1	1660.7	1638.9	1618.6	1597.3	1690.9	1755.8	1945.0	2023.7	1647.4
32.5°	1736.5	1746.9	1739.4	1725.1	1698.9	1648.3	1699.3	1756.8	1956.9	2063.9	1659.7
35°	1819.7	1831.6	1838.5	1835.6	1801.8	1739.0	1752.8	1801.4	1988.6	2137.7	1693.4
37.5°	1901.4	1911.9	1950.9	1964.3	1934.6	1875.2	1856.9	1889.1	2058.4	2234.3	1754.3
40°	1995.0	2008.9	2063.9	2114.9	2100.6	2038.1	2004.5	2031.2	2165.4	2379.9	1869.7
42.5°	2084.7	2109.5	2193.2	2283.3	2296.7	2226.9	2204.5	2213.5	2323.9	2589.4	2030.7
45°	2212.0	2235.2	2343.2	2465.6	2528.5	2474.0	2451.2	2449.7	2541.3	2884.1	2291.7
47.5°	2395.7	2416.5	2543.8	2664.7	2776.6	2784.0	2741.0	2755.8	2814.7	3228.8	2611.7
50°	2621.1	2670.1	2753.8	2879.6	3029.2	3150.1	3163.4	3143.6	3194.2	3628.0	2996.0
52.5°	2948.5	2967.3	3044.1	3147.6	3322.9	3528.0	3686.9	3659.7	3643.8	4008.4	3384.4
55°	3192.7	3217.9	3337.3	3479.4	3736.5	4006.9	4351.6	4361.1	4160.9	4373.9	3764.2
57.5°	3118.8	3157.4	3338.2	3624.0	4189.2	4683.4	4940.0	4946.4	4639.4	4729.0	4193.1
60°	2740.0	2758.3	3017.3	3398.7	4227.8	5416.5	5774.6	5722.6	5126.3	5126.3	4572.0
62.5°	1943.0	1971.8	2181.8	2742.9	3818.2	5671.1	6774.1	6666.6	5796.9	5506.1	4797.9
65°	1241.7	1214.0	1353.1	1731.5	2844.5	5295.2	7644.4	7650.8	6427.9	5658.2	4674.6
67°	899.4	888.5	928.6	1183.7	1928.7	4451.2	7662.7	8001.9	6790.4	5562.1	4280.3
67.5°	822.7	831.1	860.3	1067.9	1752.4	4050.5	7579.4	7981.1	6872.2	5504.2	4137.7
70°	623.6	609.2	640.9	755.3	1050.6	2555.2	6520.0	7319.9	6770.6	4929.1	3306.1
72.5°	458.6	457.1	501.2	617.6	808.8	1361.1	4894.5	5869.2	5531.4	3753.3	2081.7
75°	309.5	323.5	393.8	516.1	733.0	882.6	3336.8	4258.0	3840.0	2131.2	850.9
77.5°	176.3	177.3	253.6	414.5	658.3	710.3	1977.2	2712.7	2032.7	708.8	252.6
80°	76.3	83.7	125.8	301.1	545.8	629.0	1133.7	1490.8	822.2	150.1	81.7
82.5°	28.3	33.2	55.4	185.3	398.2	518.1	685.0	711.7	278.8	53.0	51.1
85°	0.0	1.0	20.3	86.7	207.5	231.3	457.7	422.0	123.3	25.3	33.2
87.5°	0.0	0.0	0.0	8.9	27.2	86.2	142.1	158.5	29.8	8.9	7.9
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: P648265

CATALOG NUMBER: GALN-SA2B-835-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1964.8	1964.8	1964.8	1964.8	1964.8	1964.8	1964.8	1964.8	1964.8	1964.8	1964.8
2.5°	1950.0	1917.8	1837.1	1756.3	1696.4	1646.3	1571.1	1530.0	1508.1	1476.0	1477.9
5°	1900.9	1835.6	1693.4	1546.3	1427.4	1311.5	1172.9	1116.9	1069.8	1043.1	1025.3
7.5°	1828.1	1731.5	1521.1	1324.9	1142.2	939.6	787.5	686.0	617.6	592.3	568.1
10°	1748.4	1620.1	1346.2	1074.3	820.7	611.7	482.9	389.8	356.6	325.9	328.9
12.5°	1674.6	1518.6	1185.7	847.9	575.0	388.8	303.1	265.0	254.1	250.6	250.6
15°	1614.2	1421.5	1013.4	637.4	394.2	279.4	242.7	232.3	228.3	227.3	227.3
17.5°	1549.8	1329.4	857.9	471.1	286.7	233.8	221.4	214.5	213.0	212.0	212.0
20°	1492.3	1236.7	710.3	350.6	231.8	210.5	202.6	198.1	196.6	195.7	196.1
22.5°	1437.8	1154.5	571.6	265.0	204.0	191.7	183.8	179.3	176.3	173.8	174.4
25°	1389.3	1075.3	459.6	217.0	183.8	172.9	164.9	158.5	152.1	149.1	148.6
27.5°	1355.1	1005.9	358.1	185.7	165.4	153.5	143.6	135.7	127.3	122.9	121.8
30°	1326.9	935.6	283.3	164.0	147.1	135.7	123.3	112.0	103.0	98.6	96.5
32.5°	1308.5	868.7	223.4	146.1	131.8	117.8	104.0	92.6	82.7	78.2	77.3
35°	1305.6	812.8	182.8	131.2	117.8	103.0	88.6	76.3	67.9	63.4	62.4
37.5°	1326.9	769.7	153.1	119.3	106.5	90.1	74.3	62.9	55.4	52.0	51.5
40°	1383.9	742.4	132.7	109.5	96.1	78.2	63.4	53.5	46.0	42.6	42.6
42.5°	1492.3	743.5	119.3	100.1	85.7	66.9	53.9	44.6	38.1	35.2	34.1
45°	1661.7	777.1	108.0	90.7	75.8	57.9	46.0	36.6	30.2	27.7	27.7
47.5°	1888.5	844.0	98.0	81.2	66.9	49.6	39.2	29.8	24.3	21.8	21.8
50°	2185.2	951.4	89.7	73.3	59.4	42.6	31.7	24.3	18.8	16.8	16.4
52.5°	2495.3	1084.2	79.7	66.4	51.1	36.2	25.8	18.8	14.3	12.8	12.4
55°	2837.5	1214.0	70.3	59.4	41.6	30.2	20.3	14.9	10.4	8.9	8.9
57.5°	3182.7	1341.3	59.0	49.6	32.7	22.3	15.8	10.9	7.0	5.5	5.5
60°	3475.0	1382.4	50.0	40.1	24.7	15.8	11.4	7.0	4.0	2.5	2.5
62.5°	3515.0	1243.6	42.1	30.7	17.9	10.9	6.0	4.0	1.5	1.0	1.0
65°	3297.1	1010.4	35.2	23.3	11.9	5.5	2.5	1.5	0.5	0.0	0.0
67°	2954.4	819.2	28.7	17.3	8.5	3.4	1.5	0.5	0.0	0.0	0.0
67.5°	2866.7	781.0	27.7	16.4	7.4	3.0	1.0	0.5	0.0	0.0	0.0
70°	2249.6	584.9	19.8	9.9	4.5	2.0	0.0	0.0	0.0	0.0	0.0
72.5°	1398.2	330.8	14.3	6.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0
75°	528.4	115.9	9.9	4.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	164.4	44.1	6.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	55.4	16.8	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	34.1	7.0	2.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	21.3	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.0	1.0	0.5	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)