

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: P528165

Luminaire Tested: **GALN-SA3B-727-U-T3-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P528165  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA3B-727-U-T3-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8483 lumens  
Efficiency: N/A  
Efficacy: 70.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1

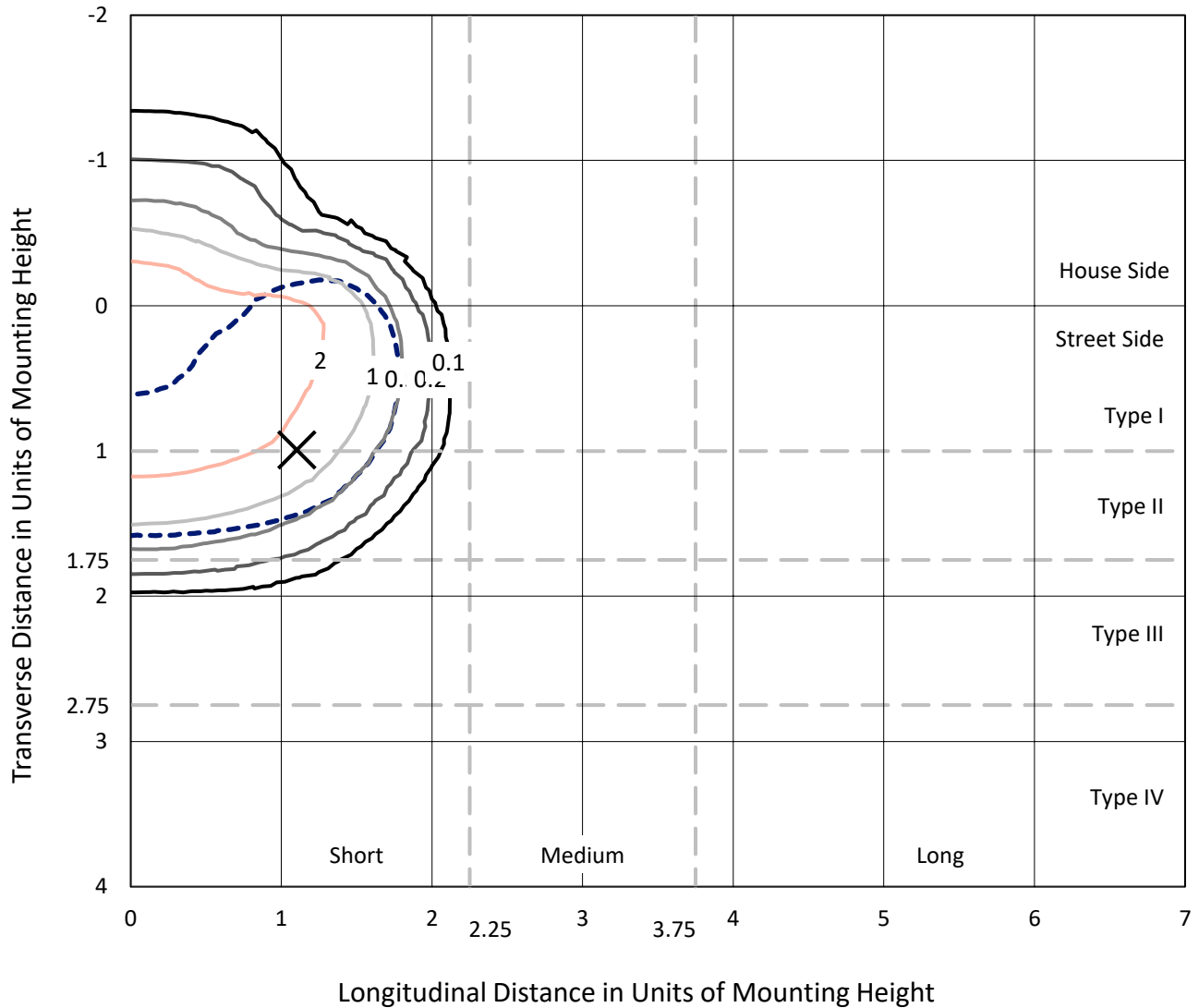
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P528165  
 CATALOG NUMBER: GALN-SA3B-727-U-T3-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

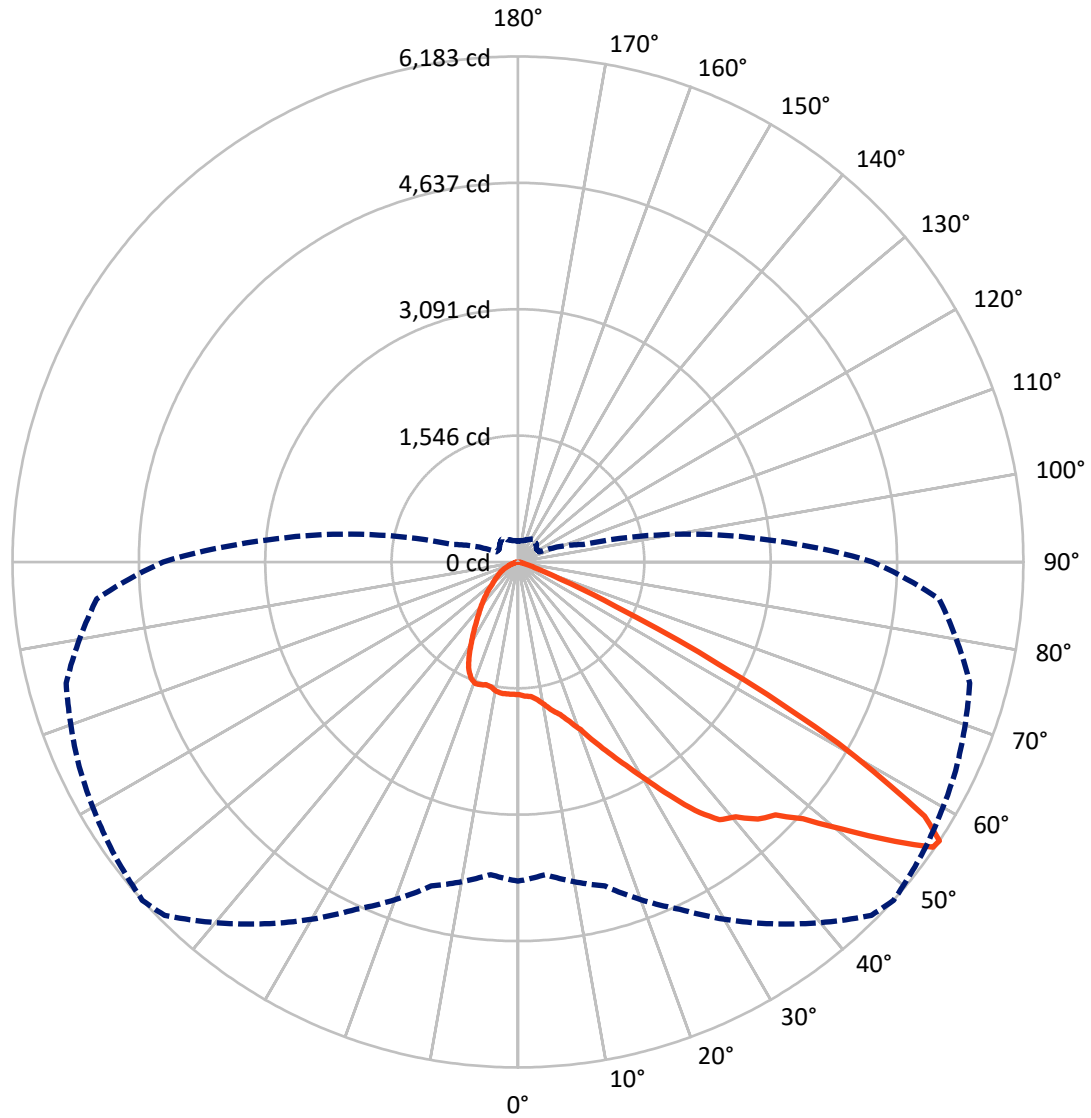
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc  
 Type II - Short - N/A

REPORT NUMBER: P528165  
CATALOG NUMBER: GALN-SA3B-727-U-T3-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral    - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P528165  
 CATALOG NUMBER: GALN-SA3B-727-U-T3-GRSBK

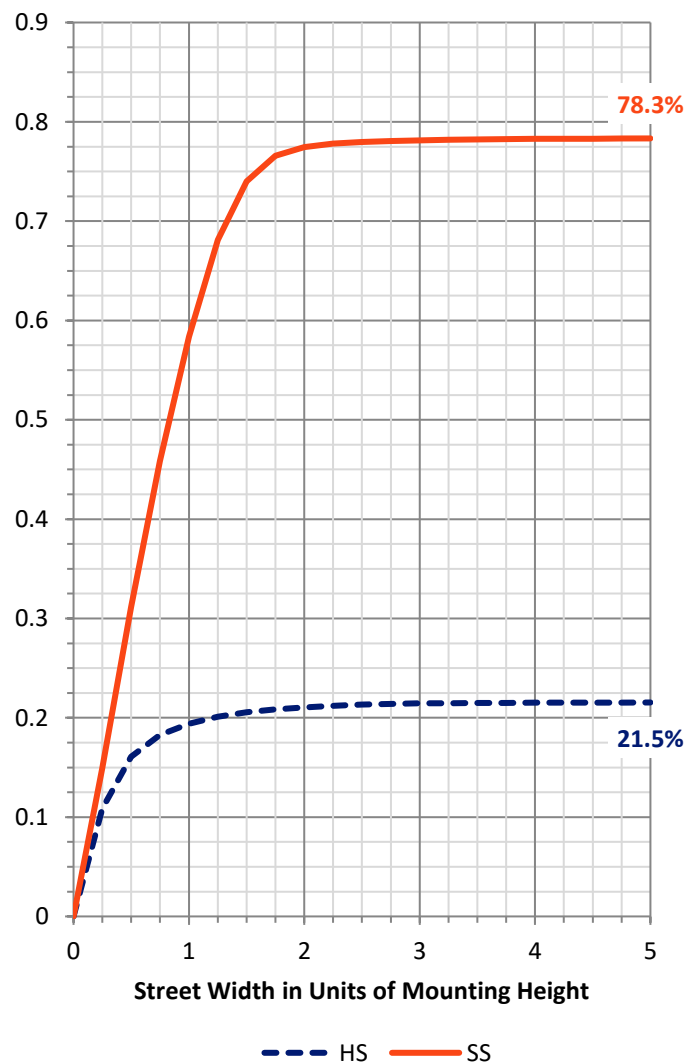
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1844.9	0.0	1844.9
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	6638.1	0.0	6638.1
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	8483.0	0.0	8483.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.8	1.9
10°-20°	504.4	5.9
20°-30°	914.9	10.8
30°-40°	1437.1	16.9
40°-50°	2096.5	24.7
50°-60°	2525.8	29.8
60°-70°	739.5	8.7
70°-80°	93.8	1.1
80°-90°	13.1	0.2
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°	8483.0	100.0
0°-180°	8483.0	100.0

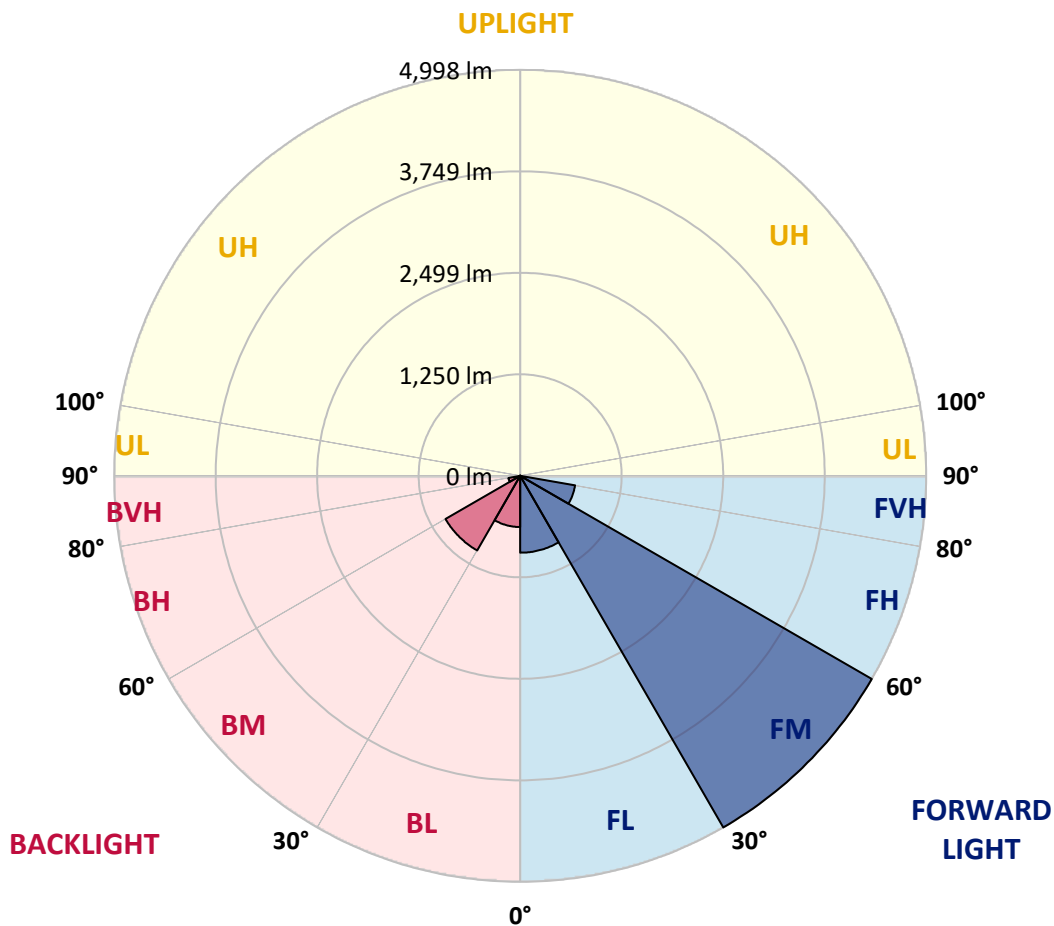


REPORT NUMBER: P528165  
 CATALOG NUMBER: GALN-SA3B-727-U-T3-GRSBK

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	946.5	11.2			
FM (30°-60°)	4998.2	58.9			
FH (60°-80°)	686.8	8.1			G1/1800
FVH (80°-90°)	6.6	0.1			G0/10
BL (0°-30°)	630.6	7.4	B2/1000		
BM (30°-60°)	1061.2	12.5	B2/2500		
BH (60°-80°)	146.6	1.7	B1/500		G1/500
BVH (80°-90°)	6.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**  
 Type II Short





REPORT NUMBER: P528165

CATALOG NUMBER: GALN-SA3B-727-U-T3-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	48°	55°	65°	75°	85°
0°	1620.3	1620.3	1620.3	1620.3	1620.3	1620.3	1620.3	1620.3	1620.3	1620.3	1620.3
2.5°	1649.6	1641.9	1641.9	1629.5	1643.4	1637.2	1641.9	1626.4	1641.9	1618.7	1637.2
5°	1657.3	1658.9	1652.7	1660.4	1660.4	1669.7	1654.2	1668.1	1675.9	1658.9	1651.1
7.5°	1697.5	1700.6	1699.0	1692.9	1705.2	1703.7	1702.1	1691.3	1694.4	1688.2	1679.0
10°	1776.3	1774.7	1782.4	1767.0	1757.7	1768.5	1771.6	1754.6	1742.3	1737.6	1708.3
12.5°	1890.6	1872.0	1861.2	1845.8	1850.4	1835.0	1862.8	1833.4	1827.2	1799.4	1770.1
15°	1983.2	1980.1	1981.7	1957.0	1929.2	1935.3	1935.3	1919.9	1910.6	1876.7	1835.0
17.5°	2173.2	2108.3	2122.2	2091.4	2068.2	2066.6	2052.7	2055.8	2031.1	1960.1	1896.7
20°	2321.5	2293.7	2272.1	2219.6	2184.0	2194.8	2188.7	2173.2	2165.5	2072.8	1983.2
22.5°	2454.3	2463.6	2428.1	2414.2	2364.7	2369.4	2381.7	2367.8	2309.1	2213.4	2080.5
25°	2641.2	2630.4	2582.5	2565.5	2519.2	2536.2	2584.1	2573.3	2536.2	2363.2	2156.2
27.5°	2862.1	2825.0	2834.3	2757.1	2712.3	2760.2	2817.3	2871.4	2766.3	2539.3	2245.8
30°	3018.1	2979.5	2976.4	2973.3	2962.5	3018.1	3084.5	3133.9	3049.0	2715.4	2394.1
32.5°	3095.3	3104.6	3130.8	3121.6	3215.8	3330.1	3399.6	3470.7	3364.1	3002.6	2590.2
35°	3300.8	3242.1	3300.8	3306.9	3404.2	3646.7	3734.8	3904.7	3878.4	3408.9	2829.7
37.5°	3421.2	3416.6	3424.3	3483.0	3577.2	3876.9	4002.0	4133.3	4083.8	3652.9	3127.8
40°	3620.5	3632.8	3631.3	3676.1	3779.6	4049.9	4100.8	4207.4	4212.0	3991.2	3566.4
42.5°	3940.2	3890.8	3858.3	3904.7	4049.9	4199.7	4301.6	4280.0	4432.9	4402.0	4130.2
45°	4227.5	4256.8	4209.0	4286.2	4338.7	4419.0	4415.9	4462.3	4656.9	4803.6	4554.9
47.5°	4496.3	4514.8	4538.0	4590.5	4704.8	4717.1	4690.9	4670.8	4939.5	5090.9	4883.9
50°	4656.9	4673.9	4782.0	4876.2	5089.4	5117.2	5132.6	5081.6	5263.9	5280.9	5194.4
52.5°	4613.6	4632.2	4783.5	5094.0	5433.8	5688.7	5642.3	5555.8	5545.0	5611.4	5481.7
55°	4230.6	4213.6	4422.1	4905.6	5541.9	6153.6	6159.8	6068.6	5894.1	5849.3	5438.4
56°	3904.7	3838.3	4103.9	4687.8	5402.9	6113.4	6182.9	6085.6	5921.9	5721.1	5171.2
57.5°	3198.8	3262.1	3526.3	4009.7	4922.6	5824.6	5864.7	5841.6	5718.0	5381.3	4550.3
60°	1763.9	1875.1	2108.3	2699.9	3504.6	4470.0	4502.4	4690.9	4714.0	4120.9	3130.8
62.5°	749.1	736.8	979.3	1414.8	1995.6	2698.4	2758.6	2951.7	2987.2	2375.6	1570.8
65°	304.3	321.3	443.3	712.0	1054.9	1229.5	1314.4	1377.8	1495.1	980.8	579.2
67.5°	200.8	199.2	261.0	406.2	568.4	548.3	548.3	579.2	536.0	400.0	250.2
70°	143.6	148.3	186.9	281.1	353.7	262.6	251.8	241.0	273.4	264.1	202.3
72.5°	94.2	100.4	125.1	168.4	183.8	143.6	143.6	173.0	225.5	213.2	165.3
75°	61.8	63.3	77.2	97.3	91.1	74.1	81.9	115.8	163.7	157.5	117.4
77.5°	41.7	43.2	52.5	63.3	51.0	41.7	44.8	58.7	80.3	80.3	61.8
80°	15.4	17.0	21.6	20.1	23.2	29.3	32.4	40.2	47.9	47.9	41.7
82.5°	0.0	1.5	4.6	10.8	17.0	23.2	26.3	30.9	35.5	40.2	38.6
85°	0.0	1.5	4.6	7.7	12.4	13.9	15.4	10.8	9.3	9.3	7.7
87.5°	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	3.1	1.5	1.5
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: P528165

CATALOG NUMBER: GALN-SA3B-727-U-T3-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1620.3	1620.3	1620.3	1620.3	1620.3	1620.3	1620.3	1620.3	1620.3	1620.3	1620.3
2.5°	1620.3	1618.7	1618.7	1614.1	1623.3	1618.7	1621.8	1620.3	1600.2	1615.6	1604.8
5°	1637.2	1648.1	1631.1	1628.0	1615.6	1620.3	1620.3	1604.8	1618.7	1617.2	1614.1
7.5°	1680.5	1662.0	1643.4	1624.9	1621.8	1617.2	1600.2	1594.0	1604.8	1592.5	1611.0
10°	1699.0	1702.1	1674.3	1649.6	1626.4	1594.0	1570.8	1556.9	1539.9	1558.5	1569.3
12.5°	1784.0	1753.1	1705.2	1666.6	1587.8	1555.4	1532.2	1526.0	1555.4	1561.6	1550.8
15°	1813.3	1808.7	1746.9	1660.4	1578.6	1539.9	1544.6	1532.2	1535.3	1519.9	1522.9
17.5°	1873.6	1821.1	1748.5	1640.3	1577.0	1567.7	1539.9	1490.5	1462.7	1450.4	1461.2
20°	1940.0	1889.0	1784.0	1648.1	1590.9	1566.2	1475.1	1414.8	1357.7	1326.8	1328.3
22.5°	1998.7	1935.3	1768.5	1651.1	1603.3	1501.3	1391.7	1272.7	1201.7	1153.8	1155.3
25°	2069.7	1980.1	1774.7	1657.3	1570.8	1397.8	1240.3	1124.4	1039.5	1007.1	1017.9
27.5°	2109.9	2007.9	1808.7	1671.2	1485.9	1251.1	1081.2	973.1	923.7	908.2	906.7
30°	2230.4	2069.7	1850.4	1643.4	1343.8	1093.6	936.0	869.6	821.7	807.8	810.9
32.5°	2409.5	2182.5	1904.5	1570.8	1198.6	953.0	841.8	792.4	747.6	721.3	718.2
35°	2559.4	2375.6	1961.6	1458.1	1030.2	844.9	775.4	713.6	645.6	616.3	608.6
37.5°	2845.1	2593.3	1949.3	1288.2	869.6	764.6	704.3	628.6	569.9	529.8	525.2
40°	3225.1	2848.2	1889.0	1081.2	750.7	693.5	628.6	556.0	483.5	449.5	446.4
42.5°	3686.9	3160.2	1779.3	871.1	631.7	622.5	563.8	480.4	415.5	390.8	392.3
45°	4062.2	3427.4	1668.1	699.7	543.7	553.0	502.0	423.2	378.4	358.3	358.3
47.5°	4395.9	3608.1	1547.7	577.7	461.8	483.5	438.7	392.3	353.7	338.3	335.2
50°	4717.1	3791.9	1427.2	468.0	393.9	415.5	410.9	373.8	342.9	324.4	325.9
52.5°	4917.9	3821.3	1274.3	383.1	344.4	369.2	384.6	350.6	316.6	305.8	302.7
55°	4672.3	3442.9	988.5	315.1	291.9	324.4	353.7	315.1	288.8	270.3	268.8
56°	4341.8	3078.3	826.3	290.4	276.5	312.0	342.9	301.2	271.8	261.0	253.3
57.5°	3676.1	2519.2	610.1	257.9	256.4	290.4	325.9	287.3	253.3	244.0	244.0
60°	2292.1	1417.9	369.2	216.2	222.4	257.9	293.5	256.4	225.5	225.5	230.1
62.5°	1044.1	590.0	224.0	183.8	191.5	222.4	261.0	231.7	214.7	231.7	234.8
65°	355.3	254.9	162.2	146.7	151.4	183.8	224.0	234.8	233.2	244.0	250.2
67.5°	199.2	163.7	135.9	122.0	118.9	135.9	183.8	234.8	225.5	220.9	224.0
70°	168.4	139.0	120.5	108.1	103.5	109.7	142.1	177.6	159.1	154.5	151.4
72.5°	135.9	115.8	105.0	97.3	83.4	71.1	64.9	68.0	75.7	80.3	88.0
75°	95.8	88.0	88.0	78.8	60.2	44.8	35.5	29.3	20.1	13.9	15.4
77.5°	54.1	54.1	55.6	47.9	38.6	29.3	21.6	15.4	7.7	3.1	1.5
80°	37.1	40.2	43.2	38.6	32.4	26.3	18.5	10.8	4.6	0.0	0.0
82.5°	37.1	41.7	44.8	38.6	32.4	24.7	18.5	10.8	4.6	1.5	0.0
85°	7.7	9.3	10.8	12.4	18.5	18.5	13.9	9.3	4.6	1.5	0.0
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	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)