

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: P526552

Luminaire Tested: **GALN-SA1C-730-U-T2R-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526552  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1C-730-U-T2R-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5693 lumens  
Efficiency: N/A  
Efficacy: 99.9 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

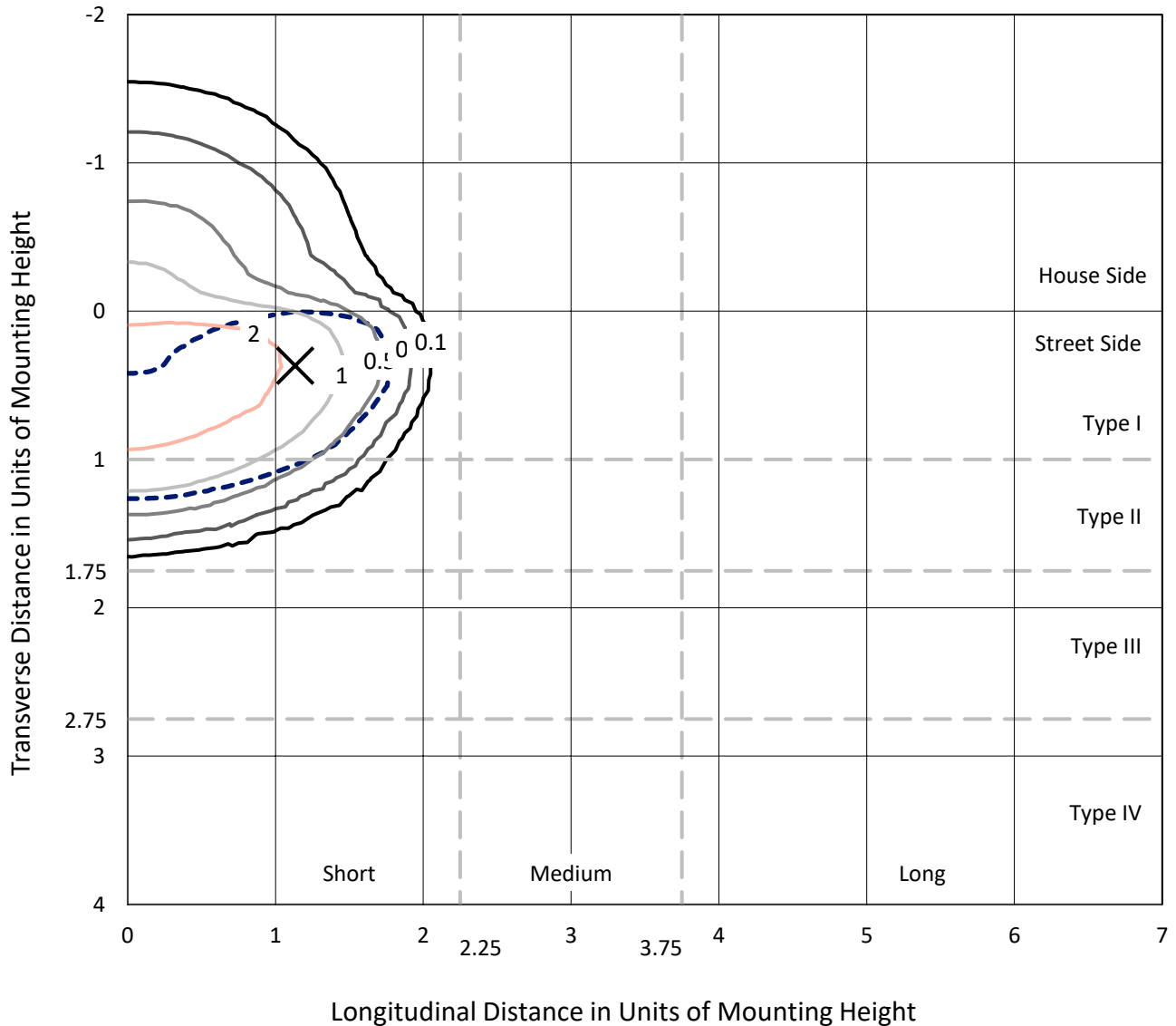
Input Watts (W): 57  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P526552  
 CATALOG NUMBER: GALN-SA1C-730-U-T2R-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

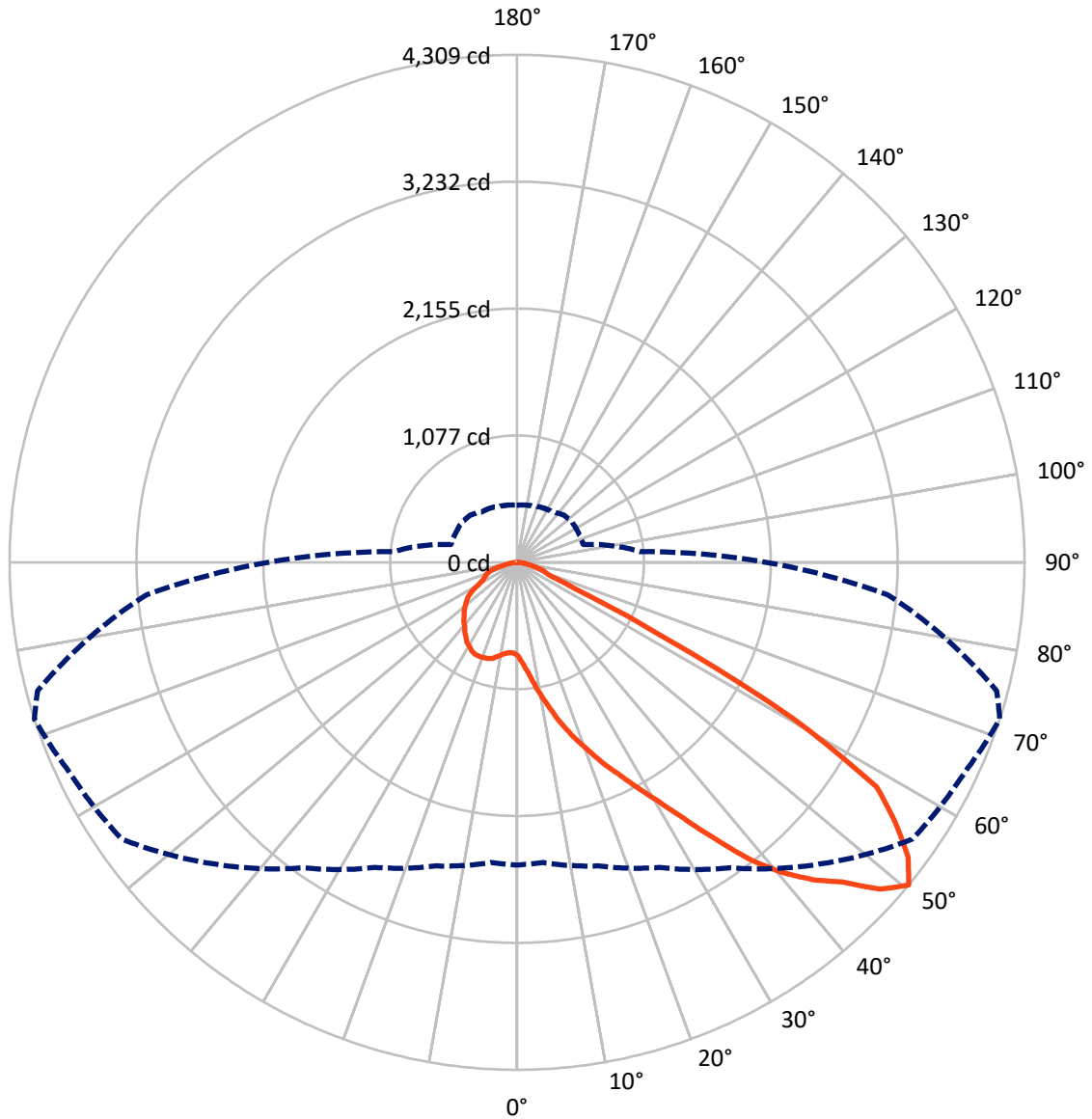
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
 Type II - Short - N/A

REPORT NUMBER: P526552  
CATALOG NUMBER: GALN-SA1C-730-U-T2R-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P526552  
 CATALOG NUMBER: GALN-SA1C-730-U-T2R-GRSWH

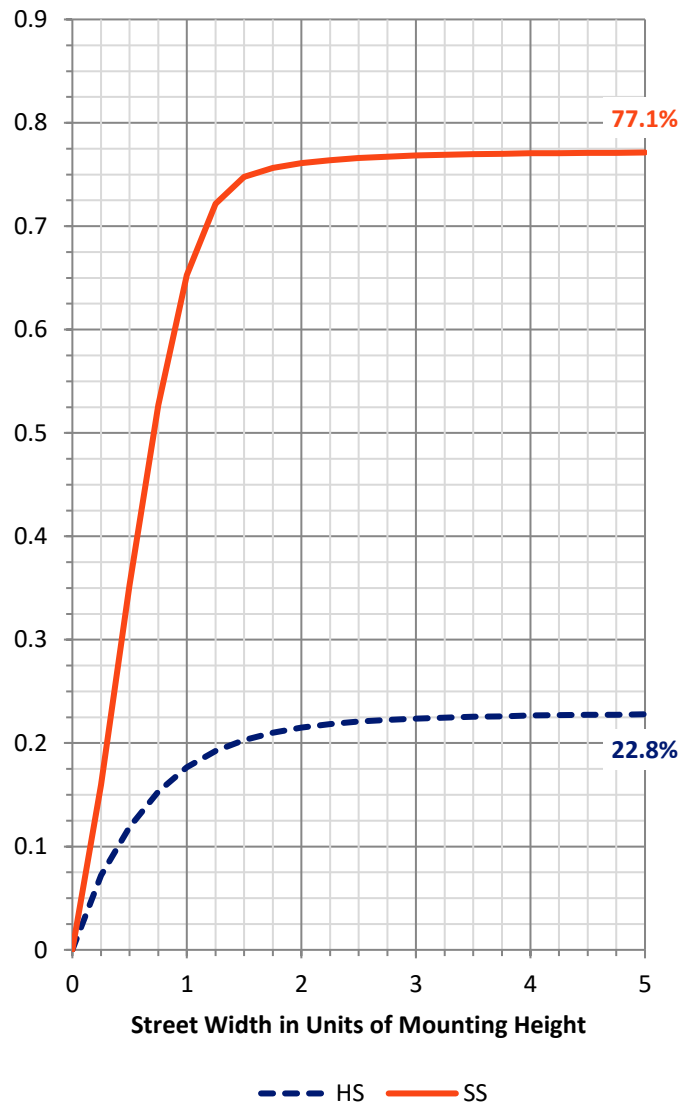
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1304.3	0.0	1304.3
	% Fixture	22.9	0.0	22.9
<b>Street Side</b>	Lumens	4388.7	0.0	4388.7
	% Fixture	77.1	0.0	77.1
<b>Total</b>	Lumens	5693.0	0.0	5693.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.2	1.6
10°-20°	348.5	6.1
20°-30°	675.7	11.9
30°-40°	1119.4	19.7
40°-50°	1566.3	27.5
50°-60°	1321.3	23.2
60°-70°	402.7	7.1
70°-80°	141.3	2.5
80°-90°	24.6	0.4
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°	5693.0	100.0
0°-180°	5693.0	100.0

**Coefficient of Utilization**



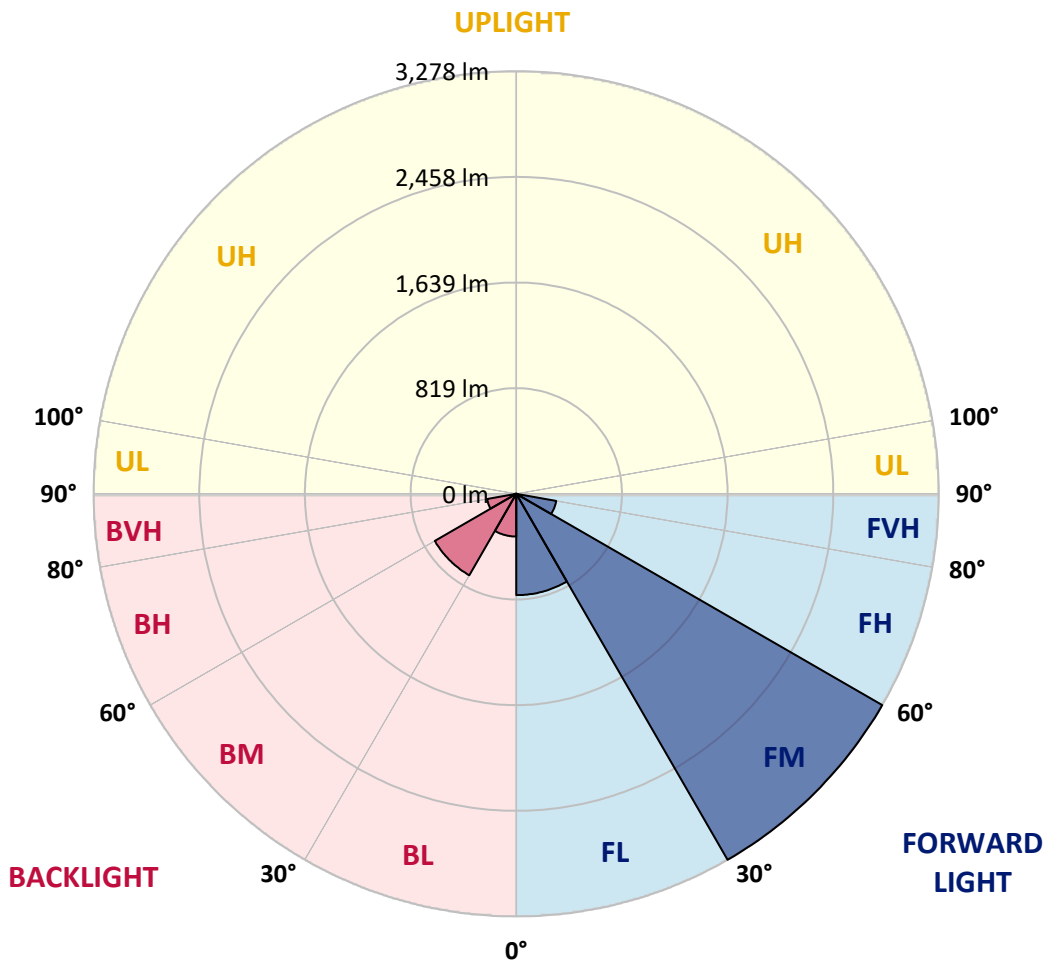
REPORT NUMBER: P526552  
 CATALOG NUMBER: GALN-SA1C-730-U-T2R-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	785.8	13.8			
FM (30°-60°)	3277.6	57.6			
FH (60°-80°)	314.2	5.5			G0/660
FVH (80°-90°)	11.0	0.2			G1/100
BL (0°-30°)	331.6	5.8	B1/500		
BM (30°-60°)	729.4	12.8	B1/1000		
BH (60°-80°)	229.8	4.0	B1/500		G1/500
BVH (80°-90°)	13.6	0.2			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





REPORT NUMBER: P526552

CATALOG NUMBER: GALN-SA1C-730-U-T2R-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	792.5	792.5	792.5	792.5	792.5	792.5	792.5	792.5	792.5	792.5	792.5
2.5°	1019.3	1013.0	994.0	987.6	965.1	924.2	910.2	868.6	851.0	834.8	815.8
5°	1289.2	1259.6	1257.5	1221.5	1169.4	1139.1	1048.9	988.4	932.7	904.5	852.4
7.5°	1461.0	1461.7	1461.7	1432.2	1390.6	1313.8	1232.8	1123.6	1039.8	998.2	909.5
10°	1624.5	1610.4	1602.6	1599.8	1571.6	1497.0	1410.3	1275.1	1160.2	1111.6	952.4
12.5°	1740.0	1728.0	1745.6	1736.5	1716.1	1667.4	1585.7	1431.5	1287.7	1222.2	1021.5
15°	1795.0	1803.4	1817.5	1842.9	1833.7	1815.4	1725.2	1592.1	1425.1	1351.1	1082.8
17.5°	1879.5	1856.2	1873.2	1904.9	1930.2	1921.8	1870.3	1708.3	1561.1	1470.2	1165.2
20°	1938.7	1925.3	1933.7	1970.4	1989.4	2037.3	2010.5	1860.5	1691.4	1595.6	1262.4
22.5°	2107.7	2088.0	2060.5	2066.2	2073.2	2107.0	2113.4	2027.4	1842.9	1741.4	1354.7
25°	2316.3	2297.9	2265.5	2232.4	2212.0	2205.7	2227.5	2158.5	1988.0	1883.0	1454.0
27.5°	2545.9	2514.9	2494.5	2426.1	2371.2	2362.7	2352.2	2314.8	2159.9	2046.4	1566.0
30°	2769.2	2744.6	2717.1	2607.9	2550.8	2541.7	2489.6	2500.1	2346.5	2220.4	1692.8
32.5°	2938.3	2940.4	2877.7	2795.3	2741.7	2693.1	2674.1	2704.4	2586.1	2484.6	1834.4
35°	3075.0	3081.3	3021.4	2946.7	2889.0	2922.8	2914.3	2928.4	2872.1	2748.1	1999.2
37.5°	3208.1	3176.4	3112.3	3076.4	3046.1	3101.7	3173.6	3185.6	3196.1	3050.3	2190.9
40°	3229.9	3232.8	3195.4	3220.8	3182.7	3266.6	3433.5	3418.0	3461.0	3333.5	2398.7
42.5°	3198.9	3205.3	3220.1	3256.0	3347.6	3448.3	3696.3	3632.9	3685.0	3571.6	2600.9
45°	3148.2	3122.2	3140.5	3277.1	3435.6	3659.7	3936.5	3887.2	3870.3	3775.2	2841.8
47.5°	2905.9	2932.7	2989.7	3158.1	3396.2	3696.3	4107.0	4095.7	4146.4	4079.5	3060.9
50°	2569.9	2559.3	2669.2	2858.7	3165.8	3624.4	4097.8	4200.0	4309.2	4216.2	3158.8
52.5°	1924.6	1980.9	2075.3	2310.6	2748.8	3232.8	3897.8	4068.2	4157.0	4137.3	3079.9
55°	1216.6	1233.5	1290.6	1570.2	1964.7	2594.5	3341.2	3736.4	3894.9	3968.9	3007.3
57.5°	591.0	559.3	629.1	853.8	1134.9	1744.9	2576.9	3254.6	3599.1	3732.9	2849.5
60°	308.6	320.5	348.0	428.3	586.8	905.9	1606.2	2169.0	2695.3	2901.0	2159.9
62.5°	255.7	259.9	278.3	318.4	390.3	521.3	820.0	1057.4	1374.4	1559.7	1228.6
65°	217.0	219.1	238.8	265.6	311.4	367.0	422.0	441.7	534.7	548.8	436.8
67.5°	181.0	183.2	204.3	229.7	259.2	274.0	288.1	286.7	297.3	293.1	292.3
70°	139.5	141.6	163.4	190.2	205.0	196.5	240.2	250.1	254.3	257.8	263.5
72.5°	100.7	105.0	121.9	140.9	133.1	152.9	198.0	212.7	218.4	220.5	227.5
75°	73.3	74.7	78.9	73.3	84.5	106.4	139.5	157.8	164.8	167.0	177.5
77.5°	32.4	33.1	33.8	42.3	54.2	66.2	83.1	97.9	107.8	110.6	113.4
80°	16.9	17.6	21.8	28.9	38.7	48.6	60.6	69.0	75.4	76.1	78.9
82.5°	10.6	11.3	15.5	20.4	27.5	35.9	44.4	51.4	56.4	57.1	57.8
85°	4.9	6.3	9.2	12.7	18.3	23.2	24.0	20.4	21.8	22.5	21.1
87.5°	1.4	2.1	2.8	2.1	2.8	2.8	3.5	4.2	4.2	4.2	4.9
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: P526552

CATALOG NUMBER: GALN-SA1C-730-U-T2R-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	792.5	792.5	792.5	792.5	792.5	792.5	792.5	792.5	792.5	792.5	792.5
2.5°	805.2	798.9	774.2	765.0	741.1	745.3	732.6	731.9	729.1	728.4	727.7
5°	824.9	805.2	775.6	753.1	739.7	738.3	729.1	729.1	731.9	734.0	729.1
7.5°	857.3	834.8	784.8	763.6	751.7	749.5	743.2	738.3	744.6	742.5	736.9
10°	894.7	855.2	802.4	784.1	764.3	759.4	759.4	761.5	751.0	754.5	748.8
12.5°	936.2	883.4	824.9	803.8	780.5	777.7	776.3	760.8	766.4	763.6	749.5
15°	989.1	915.8	853.8	817.9	798.1	785.5	767.2	764.3	760.8	753.8	747.4
17.5°	1046.1	951.0	867.2	822.1	792.5	783.4	769.3	754.5	743.9	745.3	740.4
20°	1094.7	983.4	872.1	826.3	788.3	770.7	748.8	739.7	728.4	727.7	727.0
22.5°	1152.5	1027.1	879.2	815.1	775.6	757.3	742.5	726.3	718.5	708.7	713.6
25°	1221.5	1044.0	880.6	808.7	766.4	734.0	726.3	708.7	705.9	691.8	694.6
27.5°	1271.5	1053.2	869.3	789.0	745.3	720.7	706.6	693.9	689.0	678.4	675.6
30°	1338.5	1067.3	845.3	764.3	724.2	696.7	688.3	685.4	671.3	660.1	658.7
32.5°	1414.5	1076.4	829.9	739.0	702.3	681.2	685.4	672.1	654.4	644.6	641.8
35°	1475.1	1079.9	791.1	710.1	687.6	674.2	669.2	666.4	641.1	631.9	624.9
37.5°	1567.4	1072.2	758.7	689.7	671.3	666.4	662.2	643.2	614.3	600.9	591.0
40°	1675.2	1070.1	717.1	660.8	655.8	661.5	648.8	619.2	579.1	564.3	557.2
42.5°	1778.8	1084.9	691.1	645.3	638.9	641.1	623.4	579.1	559.3	550.9	539.6
45°	1952.1	1115.9	648.1	621.3	618.5	617.1	596.0	549.5	538.2	527.6	525.5
47.5°	2108.4	1095.4	620.6	596.7	599.5	591.7	546.7	531.9	519.2	508.6	505.1
50°	2117.6	1046.8	581.9	577.7	578.4	565.0	522.0	512.1	495.9	488.9	484.0
52.5°	2069.7	967.2	546.0	547.4	549.5	527.6	491.7	484.7	471.3	461.4	458.6
55°	1935.1	843.2	510.7	516.4	522.0	480.4	469.2	451.6	441.0	426.9	427.6
57.5°	1704.8	679.1	461.4	470.6	482.6	436.8	428.3	406.5	391.0	379.7	378.3
60°	1142.6	483.3	387.5	391.0	417.7	399.4	398.7	376.9	355.8	345.9	340.3
62.5°	674.2	369.1	334.6	331.1	330.4	341.0	358.6	350.8	323.3	304.3	310.0
65°	352.9	319.1	311.4	299.4	292.3	289.5	302.9	306.4	288.1	267.7	266.3
67.5°	296.6	296.6	290.2	286.0	276.1	264.2	255.7	244.4	241.6	236.0	228.9
70°	269.8	276.9	274.7	264.9	256.4	243.0	221.2	202.9	185.3	178.9	183.2
72.5°	235.3	242.3	242.3	237.4	226.1	205.7	184.6	163.4	148.6	137.4	136.0
75°	181.0	184.6	193.0	187.4	172.6	159.9	138.1	116.2	102.1	91.6	89.5
77.5°	115.5	121.2	121.2	120.5	109.9	97.9	83.8	68.3	57.8	50.0	47.9
80°	76.8	80.3	83.1	80.3	73.3	64.1	53.5	43.0	35.2	28.9	27.5
82.5°	56.4	60.6	62.7	59.9	52.8	45.8	38.0	30.3	22.5	17.6	16.2
85°	21.8	22.5	25.4	30.3	29.6	28.9	23.2	16.9	12.7	9.2	8.5
87.5°	5.6	4.9	5.6	5.6	4.9	4.2	4.2	4.2	4.2	2.1	2.8
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)