

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: P526316

Luminaire Tested: **GALN-SA1B-730-U-T2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-730-U-T2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS WITH
WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4398 lumens
Efficiency: N/A
Efficacy: 100.0 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

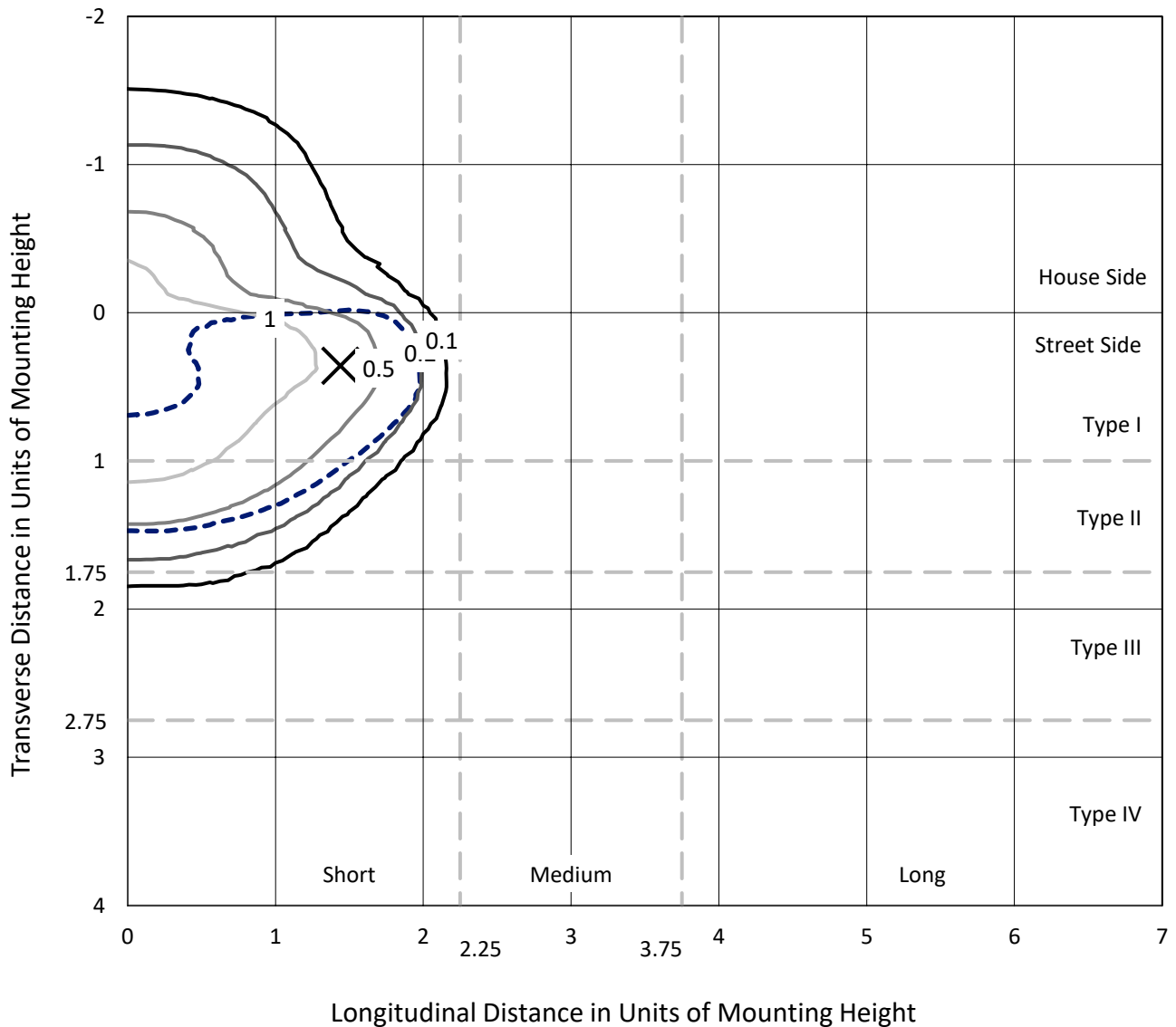
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

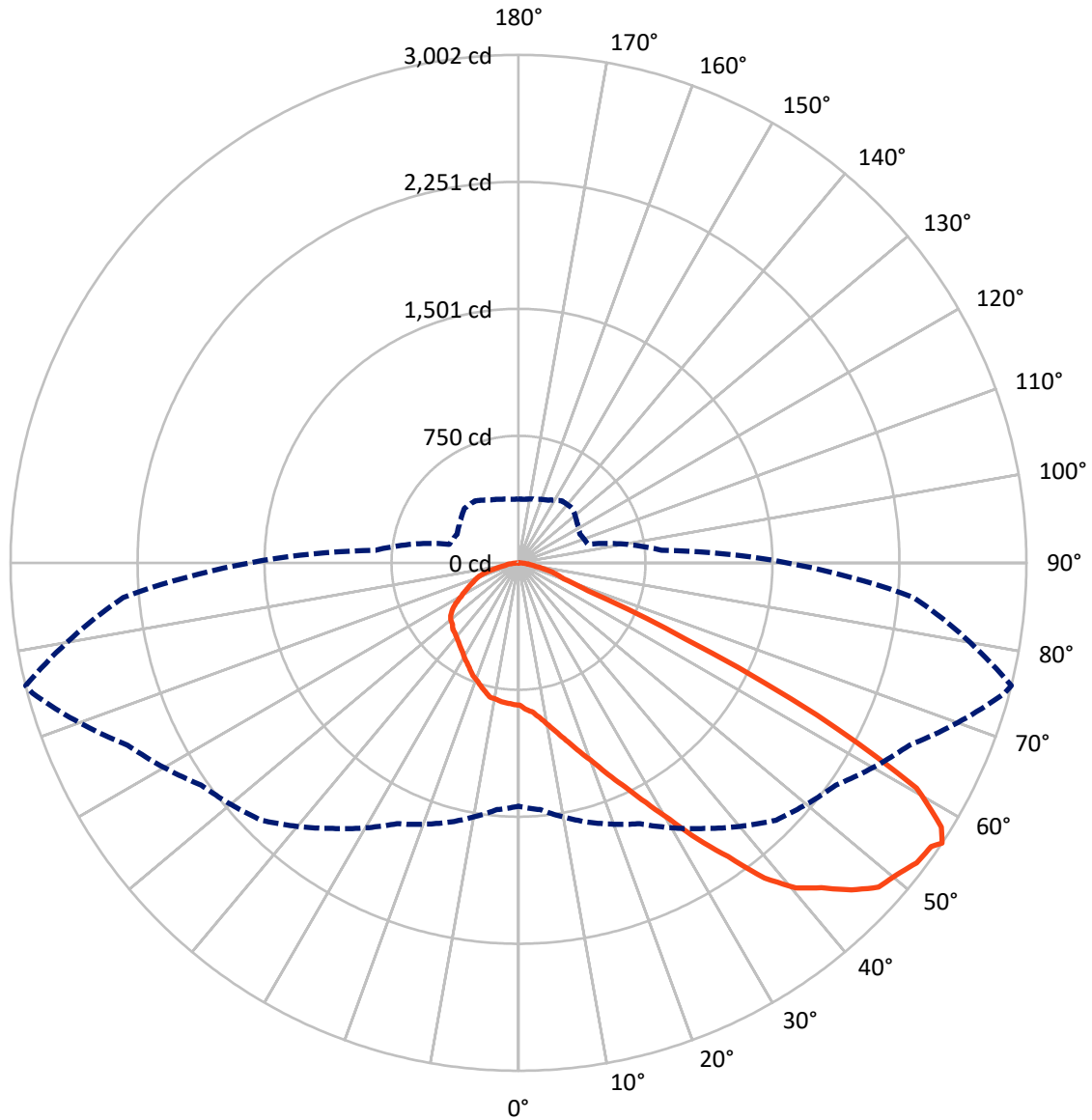
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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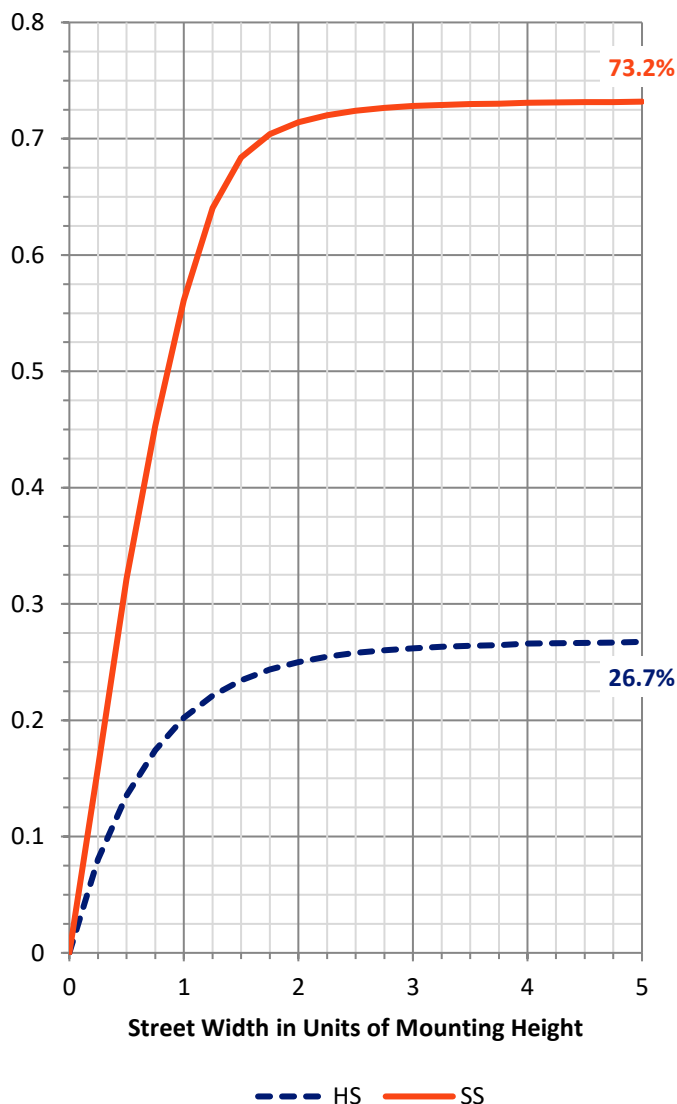
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1182.5	0.0	1182.5
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	3215.5	0.0	3215.5
	% Fixture	73.1	0.0	73.1
Total	Lumens	4398.0	0.0	4398.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.5	1.9
10°-20°	262.1	6.0
20°-30°	458.5	10.4
30°-40°	717.8	16.3
40°-50°	1044.2	23.7
50°-60°	1147.7	26.1
60°-70°	512.3	11.6
70°-80°	148.0	3.4
80°-90°	24.0	0.5
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°	4398.0	100.0
0°-180°	4398.0	100.0

Coefficient of Utilization

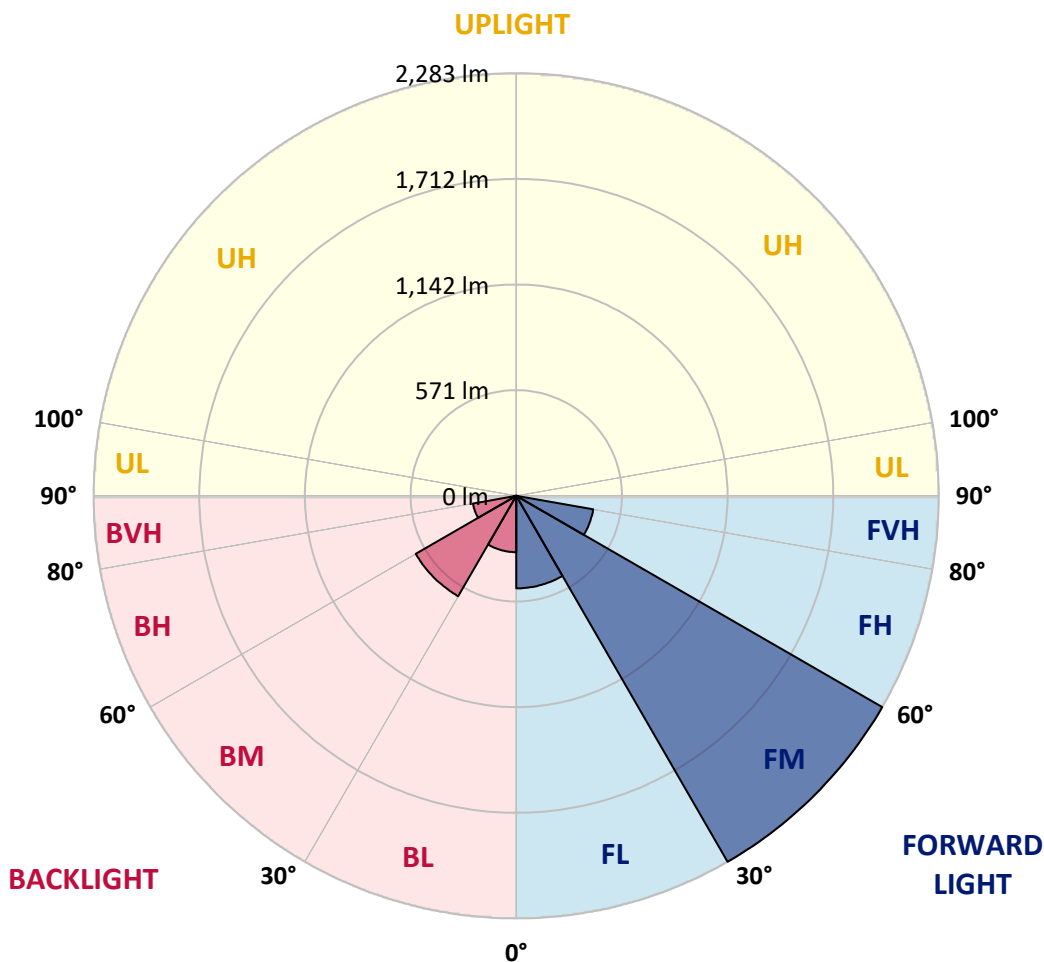


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	499.8	11.4			
FM (30°-60°)	2283.1	51.9			
FH (60°-80°)	422.3	9.6			G0/660
FVH (80°-90°)	10.3	0.2			G1/100
BL (0°-30°)	304.3	6.9	B1/500		
BM (30°-60°)	626.6	14.2	B1/1000		
BH (60°-80°)	237.9	5.4	B1/500		G1/500
BVH (80°-90°)	13.7	0.3			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°	75°	76°	85°
0°	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5
2.5°	927.0	912.2	911.1	907.1	909.3	899.1	888.3	874.0	859.2	868.3	846.6
5°	992.0	972.1	980.0	966.4	968.1	954.4	932.2	915.6	897.4	886.5	871.1
7.5°	1014.8	1016.5	1022.2	1019.9	1008.5	1008.5	993.7	964.6	932.7	926.4	900.8
10°	1045.6	1046.2	1039.9	1041.6	1057.6	1050.2	1037.1	1024.5	983.5	976.0	930.4
12.5°	1056.4	1046.2	1056.4	1065.6	1084.4	1094.6	1091.8	1082.7	1038.8	1033.6	966.9
15°	1058.1	1051.9	1060.4	1081.0	1097.5	1140.8	1162.5	1156.2	1098.1	1098.6	1008.0
17.5°	1050.2	1058.7	1062.1	1079.8	1118.0	1158.5	1221.2	1229.8	1181.9	1174.5	1059.9
20°	1061.0	1054.7	1059.3	1075.3	1126.0	1189.3	1271.4	1327.8	1260.5	1255.4	1113.4
22.5°	1102.6	1094.1	1092.9	1103.2	1139.7	1205.2	1324.4	1425.9	1356.3	1359.2	1180.2
25°	1135.1	1139.7	1135.7	1135.1	1157.9	1229.2	1394.5	1542.8	1486.3	1469.8	1258.8
27.5°	1191.0	1201.8	1193.8	1204.7	1199.5	1265.1	1444.7	1672.2	1626.6	1604.3	1330.1
30°	1268.5	1274.2	1266.8	1266.8	1251.4	1315.3	1490.3	1807.3	1788.5	1758.3	1413.9
32.5°	1370.6	1379.1	1364.3	1355.8	1353.5	1390.0	1572.4	1940.7	1972.6	1947.0	1525.1
35°	1505.7	1500.6	1482.9	1474.9	1444.1	1504.6	1694.4	2094.1	2177.9	2132.3	1659.6
37.5°	1624.8	1616.9	1615.7	1571.3	1578.7	1628.3	1798.2	2210.4	2376.8	2363.7	1801.6
40°	1736.0	1743.4	1755.4	1730.3	1718.9	1773.7	1919.0	2299.3	2531.3	2526.2	1911.1
42.5°	1855.2	1848.3	1869.4	1848.3	1831.2	1908.8	2050.2	2360.9	2667.0	2624.8	2025.6
45°	2027.9	2006.3	2013.7	2015.4	2002.8	2031.3	2104.3	2405.3	2762.2	2757.7	2109.5
47.5°	2172.2	2172.7	2160.2	2150.5	2112.3	2140.8	2164.8	2433.3	2871.7	2864.3	2142.0
50°	2225.8	2218.3	2254.8	2275.9	2278.2	2220.1	2212.1	2448.7	2929.3	2896.8	2174.4
52.5°	2033.1	2039.9	2097.5	2222.9	2295.3	2301.6	2267.4	2480.6	2952.7	2945.8	2200.7
55°	1636.3	1669.3	1764.0	1908.8	2080.4	2269.1	2327.2	2513.7	2965.2	2959.5	2317.0
56°	1438.4	1464.1	1587.2	1700.7	1916.2	2151.1	2289.6	2549.0	2974.9	3001.7	2344.3
57.5°	1157.9	1187.6	1275.9	1404.8	1659.1	1926.4	2185.8	2505.7	2937.3	2947.5	2364.3
60°	724.1	726.9	832.9	917.9	1096.9	1358.0	1668.2	2180.1	2718.3	2703.5	2123.7
62.5°	474.9	475.5	571.8	641.4	722.9	782.8	981.8	1445.8	2005.7	1979.5	1512.0
65°	333.5	340.9	415.6	508.5	541.6	510.3	504.0	762.3	1120.3	1082.7	812.4
67.5°	244.0	244.6	310.7	410.5	458.4	388.3	315.3	372.3	443.6	442.4	376.3
70°	161.3	168.2	218.9	306.7	361.5	311.9	257.7	266.2	282.2	282.2	279.9
72.5°	94.1	100.3	134.0	194.4	203.0	195.0	204.1	228.0	238.3	237.7	234.9
75°	53.6	56.4	63.9	81.0	100.9	119.2	149.9	172.7	183.0	189.3	181.9
77.5°	31.4	33.1	37.6	46.2	52.5	64.4	81.5	97.5	111.2	109.5	110.6
80°	16.5	16.5	21.1	27.4	36.5	45.6	54.2	63.3	70.7	72.4	74.1
82.5°	9.7	10.3	13.7	20.0	26.2	32.5	41.6	47.9	54.7	55.3	56.4
85°	5.1	5.7	8.6	13.1	17.7	20.0	20.5	19.4	21.1	20.0	22.8
87.5°	1.7	1.7	2.9	2.3	2.3	2.9	3.4	3.4	4.6	4.6	4.6
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°	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5
2.5°	846.1	846.1	836.4	818.1	815.3	807.9	801.0	800.5	795.3	790.8	788.5
5°	862.0	844.4	830.1	813.6	794.2	785.1	774.8	763.4	758.8	763.4	762.8
7.5°	880.3	865.4	822.7	791.9	769.7	760.5	749.1	737.2	738.3	738.3	730.3
10°	897.9	878.0	809.6	770.2	737.7	730.9	724.6	729.2	734.9	736.0	730.9
12.5°	927.6	882.5	803.3	748.6	728.0	713.2	717.2	729.8	741.7	738.3	742.3
15°	949.8	886.5	774.8	726.3	700.7	707.5	721.8	730.3	750.3	748.0	752.0
17.5°	971.5	888.8	746.9	696.7	685.9	704.7	715.5	740.0	746.3	760.0	765.1
20°	1016.0	893.4	718.4	678.4	675.0	696.7	715.5	726.9	740.6	752.6	752.6
22.5°	1038.8	891.1	699.5	654.5	665.3	679.0	696.1	715.5	715.5	726.9	727.5
25°	1067.3	882.0	669.9	643.1	651.1	664.2	683.6	676.7	684.1	684.1	693.3
27.5°	1099.8	862.6	644.2	622.6	638.5	652.8	655.6	651.1	642.5	641.4	638.0
30°	1126.0	838.7	625.4	615.7	628.8	636.8	627.7	618.0	603.2	602.0	594.1
32.5°	1161.9	809.0	602.0	598.6	613.5	614.0	611.2	596.3	574.7	565.6	556.4
35°	1222.3	791.9	584.4	589.5	594.1	592.4	587.2	571.3	549.6	545.6	542.2
37.5°	1266.8	779.4	566.1	572.4	576.4	578.7	563.3	545.6	546.2	538.2	535.9
40°	1317.0	771.4	551.3	554.2	554.7	562.1	543.3	534.8	538.8	533.6	537.1
42.5°	1381.4	773.7	535.9	533.6	544.5	541.6	532.5	521.1	523.4	508.0	510.3
45°	1415.6	789.0	526.8	516.5	528.5	527.9	516.0	505.1	491.4	461.8	462.9
47.5°	1438.4	793.0	505.1	498.3	510.8	518.2	504.6	479.5	460.1	439.0	433.9
50°	1461.8	800.5	494.9	480.6	485.7	503.4	486.3	462.4	443.6	424.7	427.6
52.5°	1482.3	814.7	474.9	453.8	462.9	482.3	473.2	444.1	423.6	408.2	403.6
55°	1573.5	846.6	441.3	413.9	435.6	460.1	455.0	419.6	397.4	389.4	388.3
56°	1587.8	847.8	423.6	400.2	420.2	452.7	446.4	408.8	388.8	376.3	376.9
57.5°	1590.1	834.1	398.5	387.7	404.8	441.8	433.9	400.2	372.9	361.5	358.0
60°	1399.1	651.1	367.2	360.3	380.3	408.8	405.9	376.9	346.1	333.0	339.2
62.5°	953.8	477.2	342.6	341.5	351.8	379.7	372.3	346.1	320.4	311.9	307.9
65°	555.3	362.0	318.7	314.1	322.7	337.5	342.6	315.3	288.5	282.8	281.1
67.5°	327.8	299.3	287.9	280.5	277.6	286.8	290.8	274.8	248.0	240.0	246.9
70°	274.2	266.2	266.8	254.3	247.4	241.2	237.7	223.5	201.3	191.0	188.1
72.5°	236.6	233.2	230.9	219.5	213.2	199.0	184.1	169.9	153.4	144.8	145.4
75°	180.7	179.6	180.7	175.0	164.2	152.8	139.1	120.9	108.3	97.5	99.8
77.5°	107.8	111.2	112.9	110.6	106.0	95.8	87.2	75.3	63.3	54.7	53.6
80°	74.1	77.0	79.8	77.0	72.4	65.0	55.9	46.8	38.2	33.6	32.5
82.5°	56.4	59.3	61.0	58.2	52.5	44.5	38.2	31.9	25.1	20.5	19.4
85°	20.5	23.4	22.8	27.4	29.6	28.5	24.5	18.8	14.3	10.3	9.7
87.5°	5.7	5.1	5.7	5.7	5.7	5.1	4.6	4.6	4.6	2.9	2.3
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)