

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: P526732

Luminaire Tested: **GALN-SA1D-722-U-T2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526732
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-SA1D-722-U-T2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2200K, 1200mA 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: 4827 lumens
Efficiency: N/A
Efficacy: 74.3 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

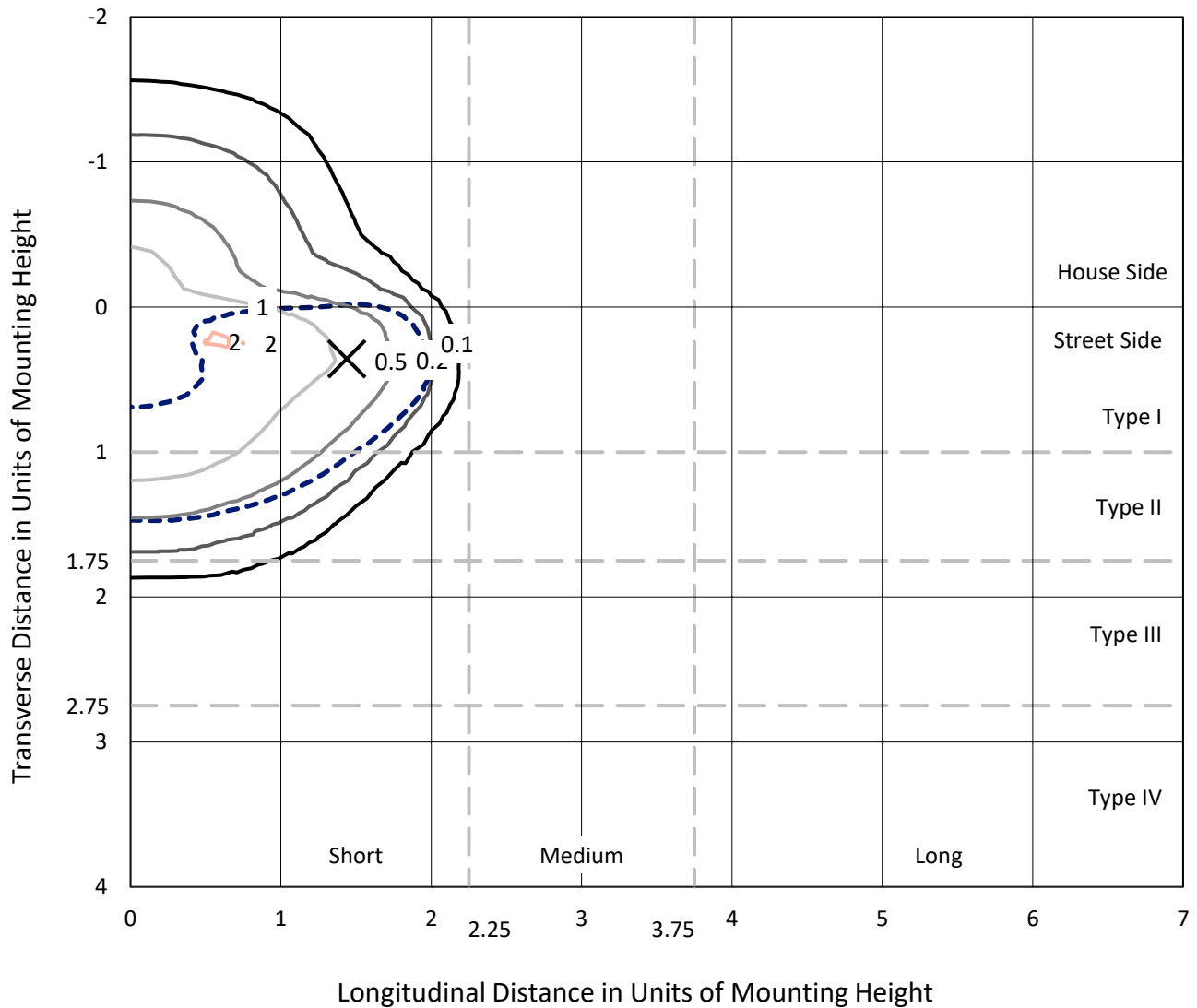
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

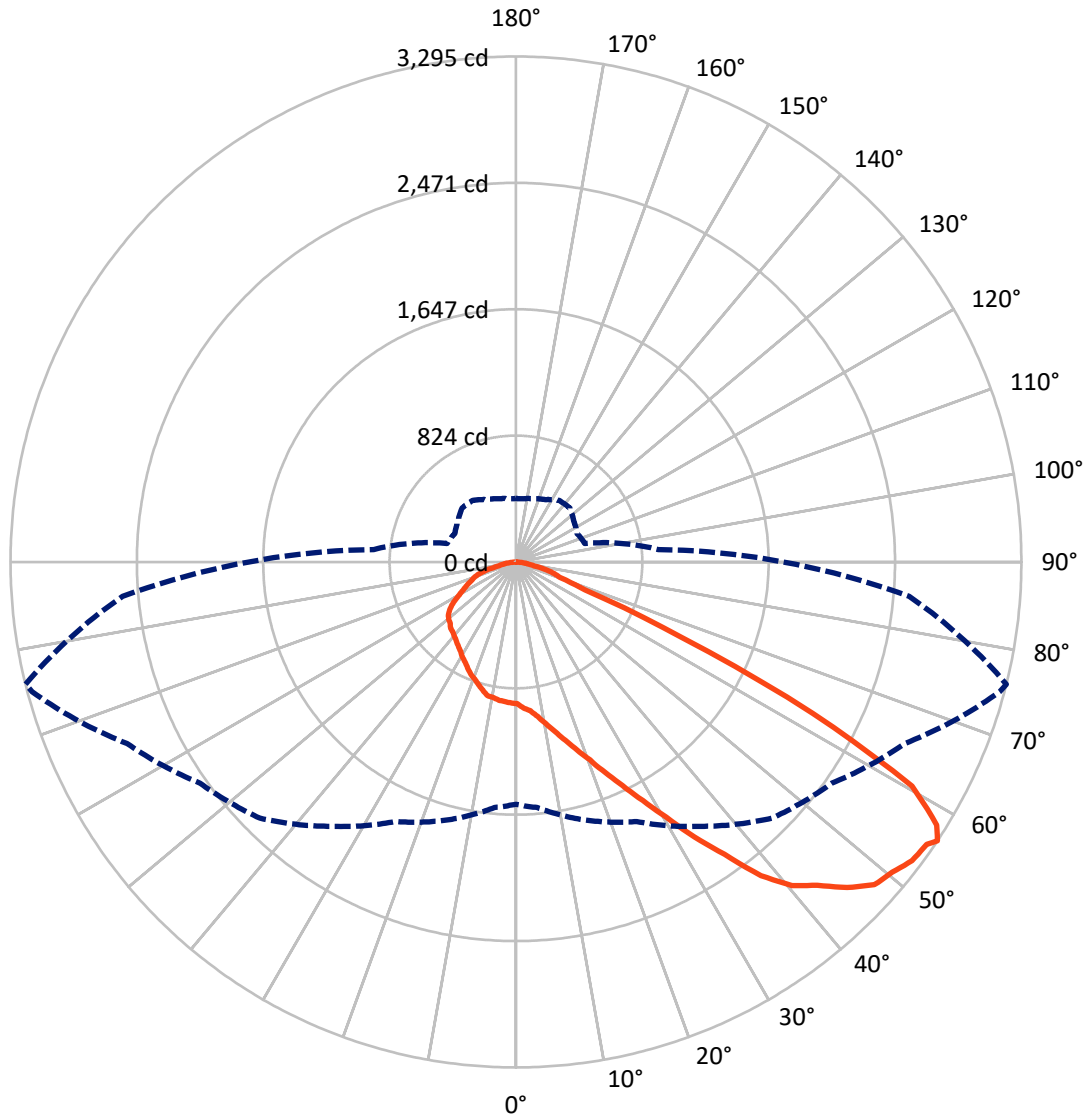
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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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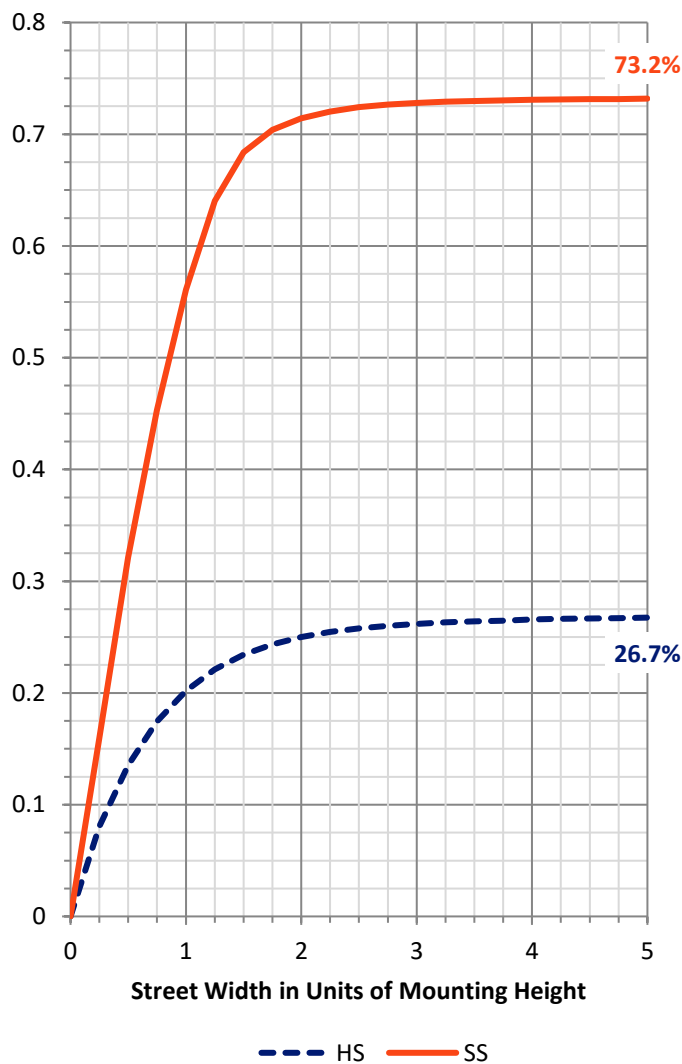
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1297.8	0.0	1297.8
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	3529.2	0.0	3529.2
	% Fixture	73.1	0.0	73.1
Total	Lumens	4827.0	0.0	4827.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	1.9
10°-20°	287.7	6.0
20°-30°	503.2	10.4
30°-40°	787.8	16.3
40°-50°	1146.1	23.7
50°-60°	1259.6	26.1
60°-70°	562.2	11.6
70°-80°	162.4	3.4
80°-90°	26.3	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°	4827.0	100.0
0°-180°	4827.0	100.0

Coefficient of Utilization



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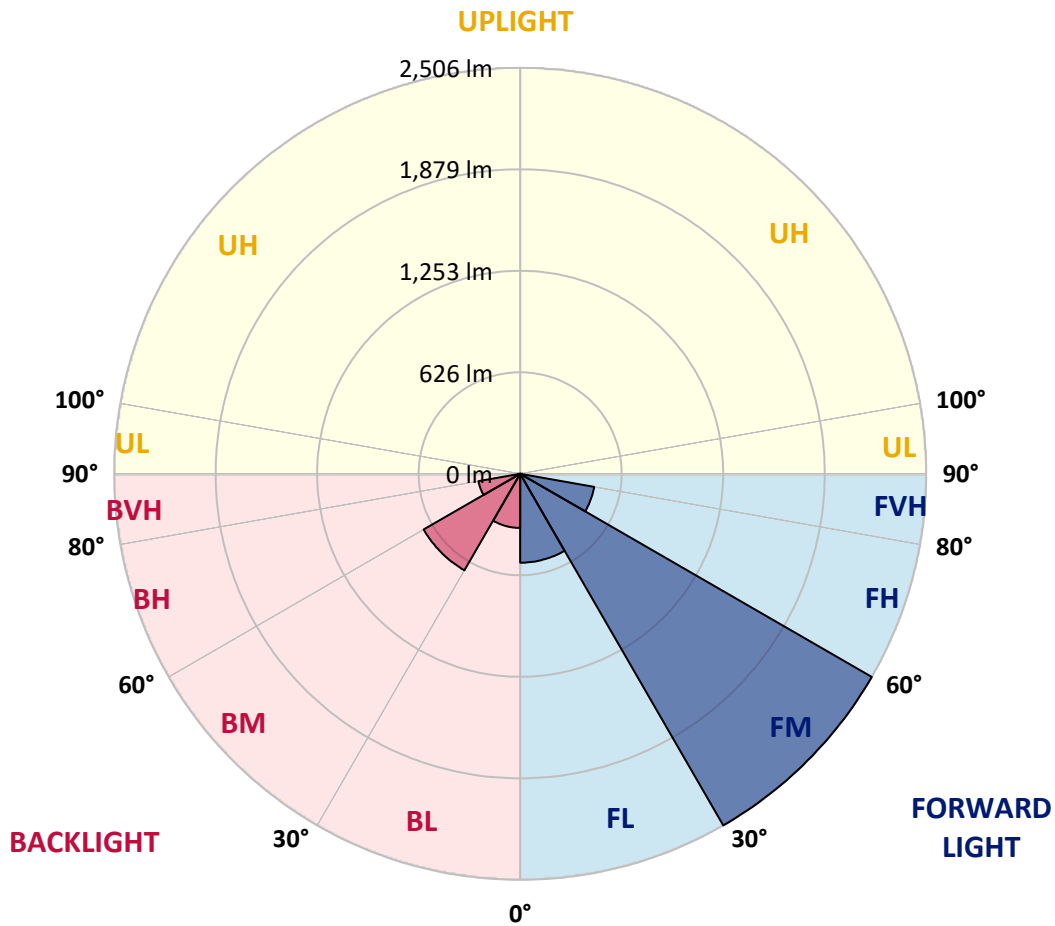
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	548.5	11.4			
FM (30°-60°)	2505.8	51.9			
FH (60°-80°)	463.5	9.6			G0/660
FVH (80°-90°)	11.3	0.2			G1/100
BL (0°-30°)	334.0	6.9	B1/500		
BM (30°-60°)	687.7	14.2	B1/1000		
BH (60°-80°)	261.1	5.4	B1/500		G1/500
BVH (80°-90°)	15.0	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°	923.6	923.6	923.6	923.6	923.6	923.6	923.6	923.6	923.6	923.6	923.6
2.5°	1017.4	1001.2	999.9	995.5	998.0	986.8	974.9	959.3	943.0	953.0	929.2
5°	1088.8	1066.9	1075.6	1060.6	1062.5	1047.5	1023.1	1004.9	984.9	973.0	956.1
7.5°	1113.8	1115.7	1121.9	1119.4	1106.9	1106.9	1090.7	1058.7	1023.7	1016.8	988.7
10°	1147.6	1148.2	1141.3	1143.2	1160.7	1152.6	1138.2	1124.4	1079.4	1071.3	1021.2
12.5°	1159.5	1148.2	1159.5	1169.5	1190.1	1201.4	1198.3	1188.3	1140.1	1134.5	1061.2
15°	1161.4	1154.5	1163.9	1186.4	1204.5	1252.1	1275.9	1269.0	1205.2	1205.8	1106.3
17.5°	1152.6	1162.0	1165.7	1185.1	1227.1	1271.5	1340.3	1349.7	1297.1	1289.0	1163.2
20°	1164.5	1157.6	1162.6	1180.1	1235.8	1305.3	1395.4	1457.3	1383.5	1377.9	1222.1
22.5°	1210.2	1200.8	1199.5	1210.8	1250.8	1322.8	1453.6	1565.0	1488.6	1491.8	1295.3
25°	1245.8	1250.8	1246.5	1245.8	1270.9	1349.1	1530.5	1693.2	1631.3	1613.1	1381.6
27.5°	1307.2	1319.0	1310.3	1322.2	1316.5	1388.5	1585.6	1835.3	1785.2	1760.8	1459.8
30°	1392.3	1398.5	1390.4	1390.4	1373.5	1443.6	1635.7	1983.6	1962.9	1929.8	1551.8
32.5°	1504.3	1513.7	1497.4	1488.0	1485.5	1525.5	1725.8	2130.0	2165.0	2136.9	1673.8
35°	1652.6	1646.9	1627.5	1618.8	1585.0	1651.3	1859.7	2298.3	2390.3	2340.2	1821.5
37.5°	1783.3	1774.6	1773.3	1724.5	1732.7	1787.1	1973.6	2426.0	2608.7	2594.3	1977.3
40°	1905.4	1913.5	1926.6	1899.1	1886.6	1946.7	2106.2	2523.6	2778.3	2772.6	2097.5
42.5°	2036.1	2028.6	2051.8	2028.6	2009.9	2095.0	2250.1	2591.2	2927.2	2880.9	2223.2
45°	2225.7	2202.0	2210.1	2212.0	2198.2	2229.5	2309.6	2640.0	3031.7	3026.7	2315.2
47.5°	2384.0	2384.7	2370.9	2360.3	2318.3	2349.6	2375.9	2670.6	3151.8	3143.7	2350.9
50°	2442.9	2434.7	2474.8	2497.9	2500.4	2436.6	2427.9	2687.5	3215.0	3179.4	2386.6
52.5°	2231.4	2238.9	2302.1	2439.7	2519.2	2526.1	2488.5	2722.6	3240.7	3233.2	2415.3
55°	1795.9	1832.2	1936.0	2095.0	2283.3	2490.4	2554.2	2758.9	3254.4	3248.2	2543.0
56°	1578.7	1606.9	1742.0	1866.6	2103.1	2360.9	2513.0	2797.7	3265.1	3294.5	2573.0
57.5°	1270.9	1303.4	1400.4	1541.8	1820.9	2114.4	2399.1	2750.1	3223.8	3235.0	2594.9
60°	794.7	797.8	914.2	1007.4	1203.9	1490.5	1830.9	2392.8	2983.5	2967.2	2330.9
62.5°	521.2	521.9	627.6	704.0	793.4	859.1	1077.5	1586.9	2201.3	2172.6	1659.4
65°	366.1	374.2	456.2	558.2	594.4	560.0	553.1	836.6	1229.6	1188.3	891.7
67.5°	267.8	268.4	341.0	450.5	503.1	426.1	346.0	408.6	486.8	485.6	413.0
70°	177.1	184.6	240.3	336.6	396.7	342.3	282.8	292.2	309.7	309.7	307.2
72.5°	103.2	110.1	147.0	213.4	222.8	214.0	224.0	250.3	261.6	260.9	257.8
75°	58.8	61.9	70.1	88.9	110.8	130.8	164.6	189.6	200.9	207.7	199.6
77.5°	34.4	36.3	41.3	50.7	57.6	70.7	89.5	107.0	122.0	120.1	121.4
80°	18.1	18.1	23.2	30.0	40.0	50.1	59.4	69.5	77.6	79.5	81.3
82.5°	10.6	11.3	15.0	21.9	28.8	35.7	45.7	52.6	60.1	60.7	61.9
85°	5.6	6.3	9.4	14.4	19.4	21.9	22.5	21.3	23.2	21.9	25.0
87.5°	1.9	1.9	3.1	2.5	2.5	3.1	3.8	3.8	5.0	5.0	5.0
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°	923.6	923.6	923.6	923.6	923.6	923.6	923.6	923.6	923.6	923.6	923.6
2.5°	928.6	928.6	918.0	897.9	894.8	886.7	879.2	878.5	872.9	867.9	865.4
5°	946.1	926.7	911.1	892.9	871.6	861.6	850.4	837.9	832.9	837.9	837.2
7.5°	966.1	949.9	902.9	869.1	844.7	834.7	822.2	809.1	810.3	810.3	801.6
10°	985.5	963.6	888.5	845.4	809.7	802.2	795.3	800.3	806.6	807.8	802.2
12.5°	1018.1	968.6	881.7	821.6	799.1	782.8	787.2	800.9	814.1	810.3	814.7
15°	1042.5	973.0	850.4	797.2	769.0	776.5	792.2	801.6	823.5	821.0	825.3
17.5°	1066.3	975.5	819.7	764.6	752.8	773.4	785.3	812.2	819.1	834.1	839.7
20°	1115.1	980.5	788.4	744.6	740.9	764.6	785.3	797.8	812.8	826.0	826.0
22.5°	1140.1	978.0	767.8	718.3	730.2	745.3	764.0	785.3	785.3	797.8	798.4
25°	1171.4	968.0	735.2	705.8	714.6	729.0	750.3	742.7	750.9	750.9	760.9
27.5°	1207.0	946.7	707.1	683.3	700.8	716.5	719.6	714.6	705.2	704.0	700.2
30°	1235.8	920.5	686.4	675.8	690.2	698.9	688.9	678.3	662.0	660.8	652.0
32.5°	1275.2	887.9	660.8	657.0	673.3	673.9	670.8	654.5	630.7	620.7	610.7
35°	1341.6	869.1	641.4	647.0	652.0	650.1	644.5	627.0	603.2	598.8	595.1
37.5°	1390.4	855.4	621.4	628.2	632.6	635.1	618.2	598.8	599.5	590.7	588.2
40°	1445.4	846.6	605.1	608.2	608.8	617.0	596.3	586.9	591.3	585.7	589.4
42.5°	1516.2	849.1	588.2	585.7	597.6	594.4	584.4	571.9	574.4	557.5	560.0
45°	1553.7	866.0	578.2	566.9	580.1	579.4	566.3	554.4	539.4	506.8	508.1
47.5°	1578.7	870.4	554.4	546.9	560.7	568.8	553.8	526.2	505.0	481.8	476.2
50°	1604.4	878.5	543.1	527.5	533.1	552.5	533.8	507.5	486.8	466.2	469.3
52.5°	1626.9	894.2	521.2	498.1	508.1	529.4	519.4	487.4	464.9	448.0	443.0
55°	1727.0	929.2	484.3	454.3	478.1	505.0	499.3	460.5	436.1	427.4	426.1
56°	1742.7	930.5	464.9	439.3	461.2	496.8	490.0	448.7	426.8	413.0	413.6
57.5°	1745.2	915.4	437.4	425.5	444.3	484.9	476.2	439.3	409.2	396.7	393.0
60°	1535.6	714.6	403.0	395.5	417.4	448.7	445.5	413.6	379.8	365.4	372.3
62.5°	1046.9	523.7	376.1	374.8	386.1	416.7	408.6	379.8	351.7	342.3	337.9
65°	609.5	397.3	349.8	344.8	354.2	370.4	376.1	346.0	316.6	310.4	308.5
67.5°	359.8	328.5	316.0	307.9	304.7	314.7	319.1	301.6	272.2	263.4	270.9
70°	301.0	292.2	292.8	279.1	271.6	264.7	260.9	245.3	220.9	209.6	206.5
72.5°	259.7	255.9	253.4	240.9	234.0	218.4	202.1	186.5	168.3	158.9	159.6
75°	198.4	197.1	198.4	192.1	180.2	167.7	152.7	132.7	118.9	107.0	109.5
77.5°	118.3	122.0	123.9	121.4	116.4	105.1	95.7	82.6	69.5	60.1	58.8
80°	81.3	84.5	87.6	84.5	79.5	71.3	61.3	51.3	41.9	36.9	35.7
82.5°	61.9	65.1	67.0	63.8	57.6	48.8	41.9	35.0	27.5	22.5	21.3
85°	22.5	25.7	25.0	30.0	32.5	31.3	26.9	20.6	15.6	11.3	10.6
87.5°	6.3	5.6	6.3	6.3	6.3	5.6	5.0	5.0	5.0	3.1	2.5
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)