

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P630789

Luminaire Tested: GWS-SA1E-735-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630789
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-735-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6231 lumens
Efficiency: N/A
Efficacy: 106.7 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

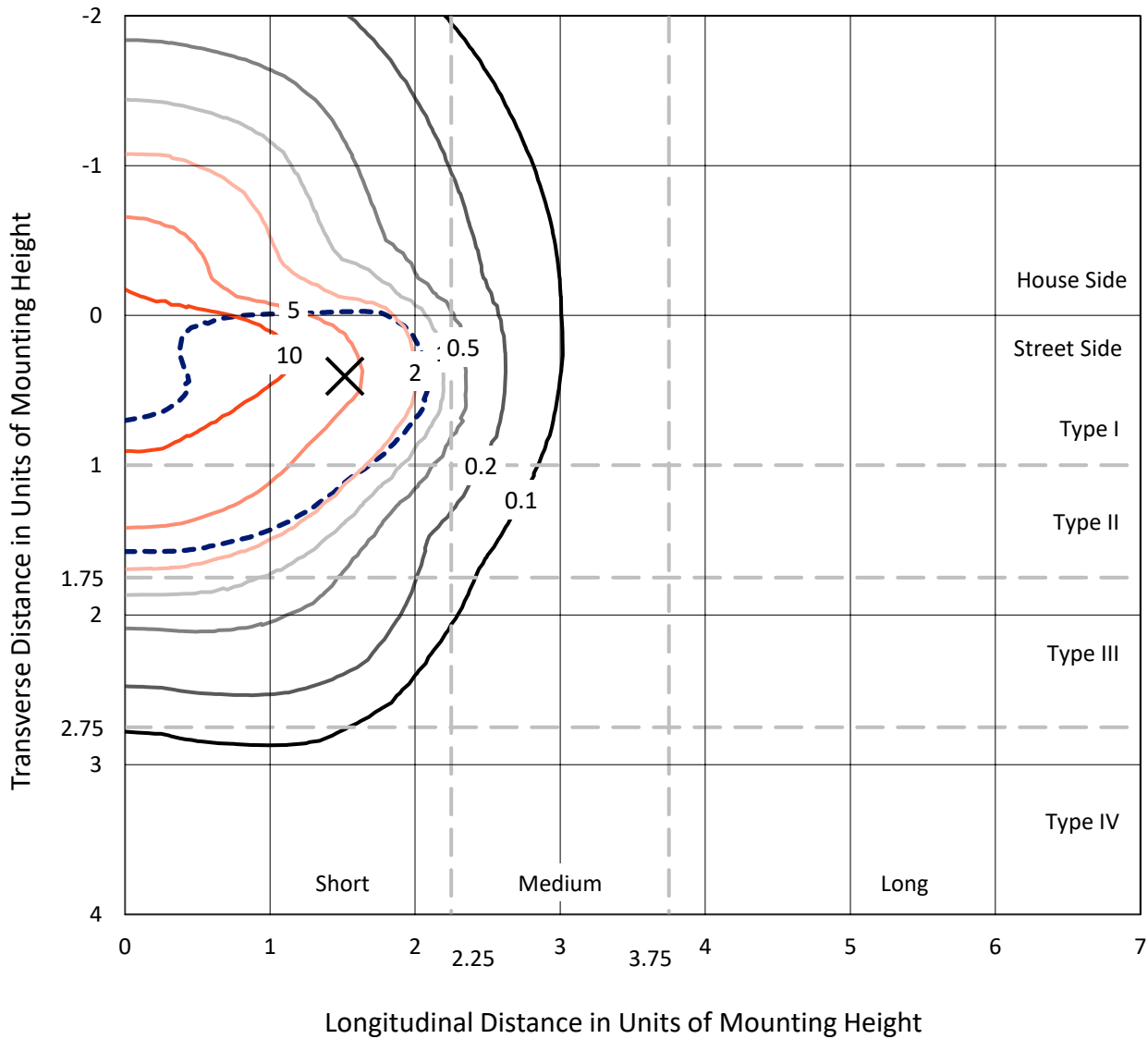
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630789
 CATALOG NUMBER: GWS-SA1E-735-U-T2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

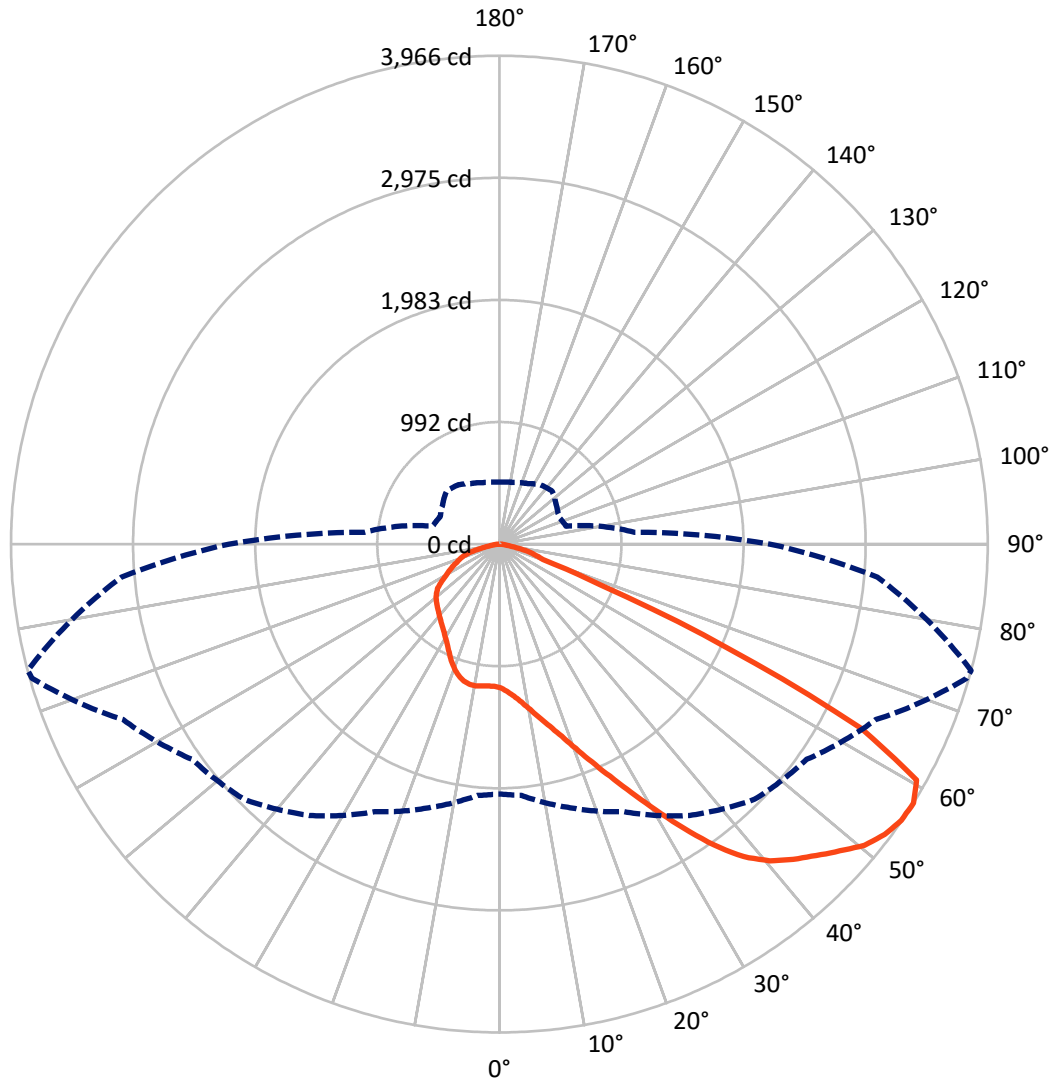
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.5 fc
 Type II - Short - N/A

REPORT NUMBER: P630789
CATALOG NUMBER: GWS-SA1E-735-U-T2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P630789

CATALOG NUMBER: GWS-SA1E-735-U-T2-W-GRSWH

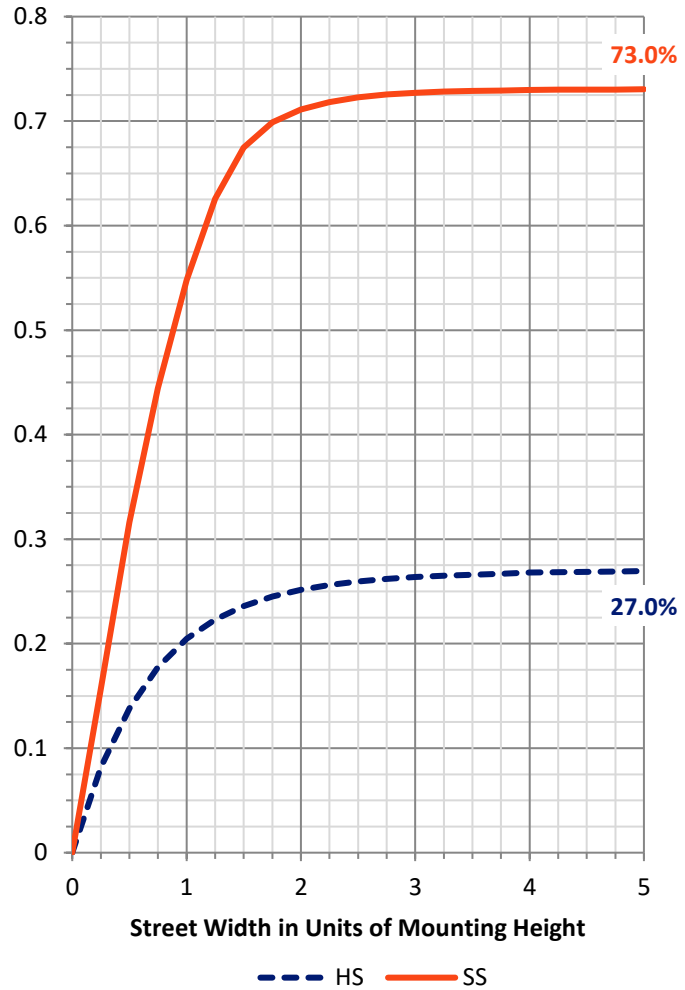
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1685.6	0.0	1685.6
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	4545.4	0.0	4545.4
	% Fixture	72.9	0.0	72.9
Total	Lumens	6231.0	0.0	6231.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.8	1.9
10°-20°	371.8	6.0
20°-30°	659.3	10.6
30°-40°	1009.3	16.2
40°-50°	1405.4	22.6
50°-60°	1610.3	25.8
60°-70°	827.4	13.3
70°-80°	208.3	3.3
80°-90°	22.3	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°	6231.0	100.0
0°-180°	6231.0	100.0

Coefficient of Utilization



REPORT NUMBER: P630789

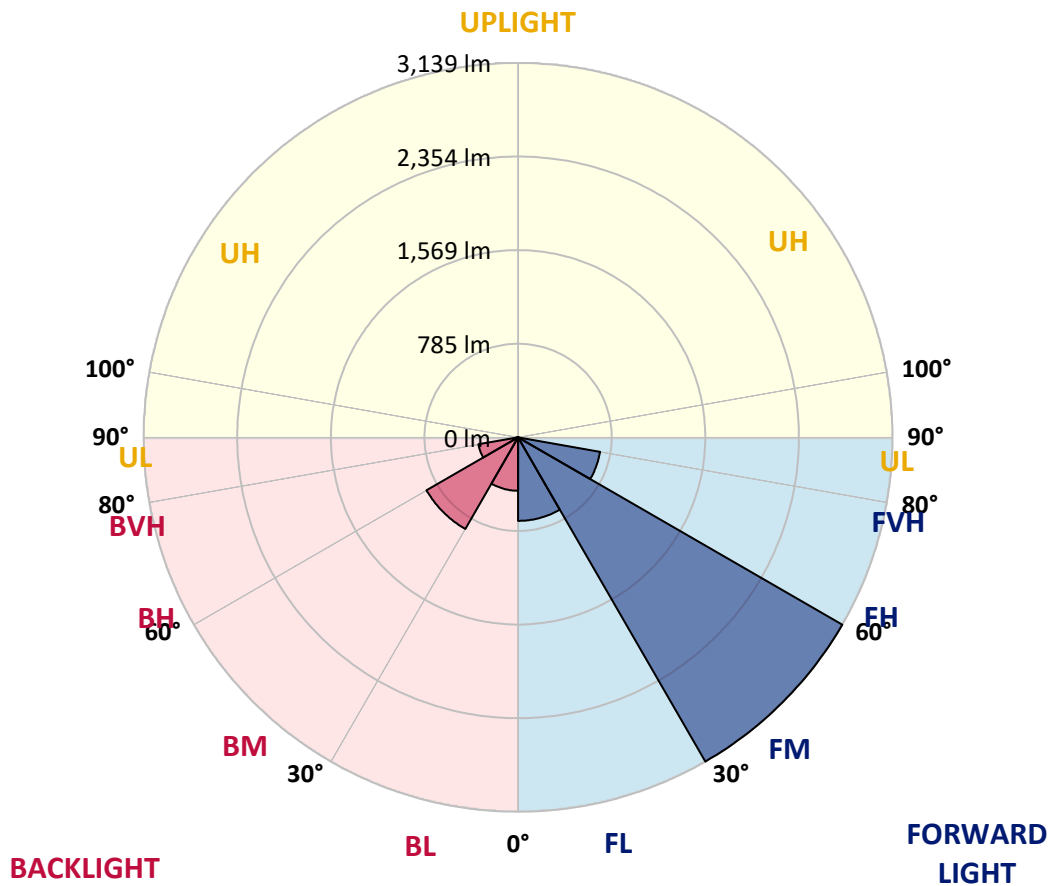
CATALOG NUMBER: GWS-SA1E-735-U-T2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	700.1	11.2			
FM (30°-60°)	3138.6	50.4			
FH (60°-80°)	698.4	11.2			G1/1800
FVH (80°-90°)	8.2	0.1			G0/10
BL (0°-30°)	447.8	7.2	B1/500		
BM (30°-60°)	886.5	14.2	B1/1000		
BH (60°-80°)	337.3	5.4	B1/500		G1/500
BVH (80°-90°)	14.0	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: P630789

CATALOG NUMBER: GWS-SA1E-735-U-T2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9
2.5°	1253.7	1256.9	1253.7	1259.1	1248.4	1243.5	1231.7	1214.1	1200.1	1198.0	1182.5
5°	1351.2	1358.2	1353.9	1351.8	1337.3	1326.6	1308.9	1273.5	1244.6	1240.3	1209.8
7.5°	1413.9	1418.7	1418.7	1420.3	1415.0	1402.7	1383.9	1342.1	1301.4	1295.0	1248.9
10°	1434.8	1438.6	1445.5	1458.9	1469.6	1473.4	1461.1	1420.9	1371.0	1364.6	1300.3
12.5°	1439.6	1443.9	1454.6	1479.3	1508.7	1535.5	1537.7	1508.2	1452.5	1445.5	1359.8
15°	1448.7	1453.0	1467.5	1498.0	1541.4	1592.9	1624.5	1604.1	1542.5	1535.0	1427.3
17.5°	1447.7	1452.5	1473.9	1514.6	1573.0	1647.5	1708.6	1717.2	1653.4	1640.5	1503.9
20°	1445.0	1449.3	1472.3	1522.1	1594.5	1696.8	1807.2	1851.6	1783.1	1771.3	1593.4
22.5°	1466.4	1471.2	1488.9	1530.2	1605.7	1734.8	1898.2	2005.4	1936.8	1920.2	1696.3
25°	1514.6	1521.6	1532.3	1560.7	1626.1	1768.6	1991.5	2179.5	2109.3	2089.5	1808.2
27.5°	1589.1	1597.7	1612.7	1626.1	1671.6	1811.5	2084.2	2374.6	2304.4	2283.5	1926.6
30°	1680.2	1691.4	1710.7	1719.8	1750.9	1874.7	2184.9	2575.5	2534.7	2505.8	2060.1
32.5°	1806.1	1821.6	1839.8	1842.5	1861.3	1970.6	2284.5	2774.8	2774.2	2753.9	2211.7
35°	1970.0	1986.7	1990.4	1994.2	2003.3	2102.4	2405.1	2956.4	3026.6	3003.0	2376.7
37.5°	2149.0	2173.1	2179.0	2162.4	2175.2	2261.0	2540.6	3102.1	3246.3	3221.1	2536.4
40°	2340.3	2349.9	2366.0	2339.7	2355.8	2442.6	2673.5	3195.4	3410.2	3383.4	2662.3
42.5°	2477.4	2495.1	2519.2	2509.6	2518.7	2598.0	2766.7	3240.4	3527.0	3500.2	2752.8
45°	2626.4	2631.7	2647.3	2645.1	2650.5	2724.4	2833.7	3260.2	3631.5	3607.4	2830.0
47.5°	2756.0	2764.1	2774.2	2762.5	2750.7	2798.9	2888.4	3277.3	3752.0	3723.1	2910.9
50°	2880.9	2887.8	2900.1	2865.9	2821.9	2834.2	2915.1	3300.9	3865.1	3844.7	2974.6
52.5°	2903.9	2911.4	2969.3	2976.2	2920.0	2876.6	2962.3	3352.9	3931.5	3918.7	2997.7
55°	2614.0	2627.4	2742.6	2875.0	3013.7	2999.8	3037.8	3380.2	3957.8	3961.0	3038.9
57.5°	2029.0	2048.3	2216.5	2398.1	2690.1	2931.8	3047.5	3373.2	3948.7	3966.3	3081.2
60°	1330.9	1342.1	1541.4	1745.0	2047.7	2382.1	2727.6	3247.9	3867.8	3892.9	3070.5
62.5°	803.7	816.5	976.7	1131.0	1309.4	1532.9	1850.0	2610.3	3242.0	3298.2	2459.2
65°	561.0	578.1	718.5	845.5	907.1	861.0	937.1	1457.8	2019.9	2043.4	1502.8
67.5°	406.7	418.4	533.6	684.7	752.8	608.1	463.4	645.6	879.7	888.3	619.9
70°	266.3	279.7	384.2	521.3	614.5	492.9	346.6	349.3	370.2	374.5	360.0
72.5°	146.3	154.3	237.3	346.1	363.3	294.7	270.6	290.4	304.9	304.9	308.6
75°	75.5	82.5	97.0	114.1	137.7	161.3	195.0	224.5	240.0	241.1	239.5
77.5°	38.6	41.3	52.0	56.3	61.6	71.8	93.2	119.5	133.4	138.8	137.7
80°	18.2	19.3	22.0	25.7	31.6	40.2	50.4	60.0	68.6	69.7	75.5
82.5°	9.6	10.7	11.8	13.9	17.1	21.4	29.5	35.4	40.7	41.8	46.6
85°	3.8	4.3	4.8	5.4	7.5	9.1	12.3	16.6	20.4	20.4	24.1
87.5°	0.0	0.0	0.0	0.0	0.5	1.1	2.1	2.7	3.8	3.8	6.4
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: P630789

CATALOG NUMBER: GWS-SA1E-735-U-T2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9	1166.9
2.5°	1178.7	1163.2	1156.2	1144.9	1135.8	1125.7	1117.6	1111.7	1108.0	1105.8	1103.7
5°	1198.0	1174.4	1155.7	1133.2	1117.6	1102.6	1090.3	1081.7	1077.4	1074.2	1072.1
7.5°	1228.0	1196.4	1161.0	1126.2	1098.9	1074.8	1059.2	1050.1	1044.2	1042.1	1040.5
10°	1269.2	1225.3	1166.9	1111.7	1071.0	1044.8	1034.0	1029.8	1030.3	1029.2	1028.7
12.5°	1315.9	1255.9	1165.3	1086.0	1041.0	1025.5	1026.0	1033.0	1041.0	1043.2	1043.7
15°	1366.2	1285.9	1149.8	1052.8	1017.4	1019.0	1033.0	1049.6	1064.6	1070.5	1071.5
17.5°	1420.9	1311.0	1121.4	1016.4	998.1	1015.3	1041.0	1068.3	1090.3	1099.9	1102.6
20°	1482.0	1332.5	1081.2	980.5	979.9	1008.3	1045.8	1081.7	1109.6	1122.4	1124.6
22.5°	1546.8	1345.9	1031.9	947.2	961.2	999.2	1042.1	1079.6	1109.1	1121.9	1124.6
25°	1612.1	1350.2	977.8	916.7	941.9	984.8	1023.9	1053.9	1081.7	1093.0	1095.1
27.5°	1673.2	1337.8	926.4	890.5	924.2	963.3	989.6	1005.6	1024.9	1033.5	1035.1
30°	1735.4	1313.2	883.0	869.6	904.4	933.9	945.6	946.7	954.2	954.2	955.3
32.5°	1798.1	1276.8	844.9	849.2	879.7	899.0	900.6	888.3	879.2	864.2	863.7
35°	1870.4	1239.8	813.8	826.2	850.8	862.6	857.8	834.2	812.2	787.6	786.5
37.5°	1937.4	1201.7	787.6	802.6	818.1	826.7	815.4	787.1	768.8	743.7	739.9
40°	1992.5	1167.5	762.4	777.9	785.4	792.9	774.7	751.7	754.4	740.4	739.9
42.5°	2024.7	1134.2	738.8	750.6	755.4	760.8	744.7	727.6	742.0	731.3	731.9
45°	2048.3	1105.3	717.4	721.7	733.5	741.5	726.5	707.2	710.4	669.2	659.5
47.5°	2075.1	1089.2	697.0	692.8	713.7	727.6	704.5	676.7	657.4	616.7	612.9
50°	2103.5	1083.3	675.6	663.8	689.0	702.4	675.6	640.8	615.6	593.6	591.5
52.5°	2113.1	1082.8	648.8	629.0	654.2	672.9	650.4	615.1	585.1	563.6	562.6
55°	2151.1	1098.3	614.5	581.3	604.9	643.5	626.9	576.0	551.8	542.2	541.1
57.5°	2195.6	1101.0	560.4	529.3	562.0	607.6	586.7	542.7	516.5	504.7	503.6
60°	2177.4	1035.1	502.6	489.7	525.6	573.8	554.5	516.5	485.9	474.7	473.6
62.5°	1659.3	730.8	460.2	455.4	486.5	525.1	521.3	481.7	452.7	444.7	443.6
65°	998.1	513.3	419.5	419.0	440.9	477.9	482.7	450.6	420.0	408.8	408.8
67.5°	493.4	392.7	373.4	370.8	384.7	410.9	431.3	405.0	379.3	368.6	367.0
70°	348.8	346.1	339.7	332.2	334.9	345.6	354.1	332.2	304.9	294.1	292.0
72.5°	301.6	302.2	297.9	292.0	289.9	282.4	274.9	258.8	242.2	230.9	232.0
75°	234.1	235.2	237.9	235.7	229.8	221.8	213.8	193.4	180.0	169.3	167.2
77.5°	136.6	142.0	150.6	148.4	149.5	138.2	135.0	115.2	102.9	95.4	93.8
80°	77.2	80.4	84.1	86.8	83.6	78.8	71.8	61.1	57.3	52.0	50.9
82.5°	46.6	49.8	51.4	53.6	52.5	46.1	40.7	33.8	30.5	27.9	27.3
85°	23.6	25.7	27.3	28.4	25.2	20.9	18.8	15.0	12.9	11.3	11.3
87.5°	5.9	6.4	7.5	6.4	5.9	2.7	2.1	0.5	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)