

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: P632716

Luminaire Tested: GWS-SA2D-730-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632716
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-730-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10549 lumens
Efficiency: N/A
Efficacy: 128.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

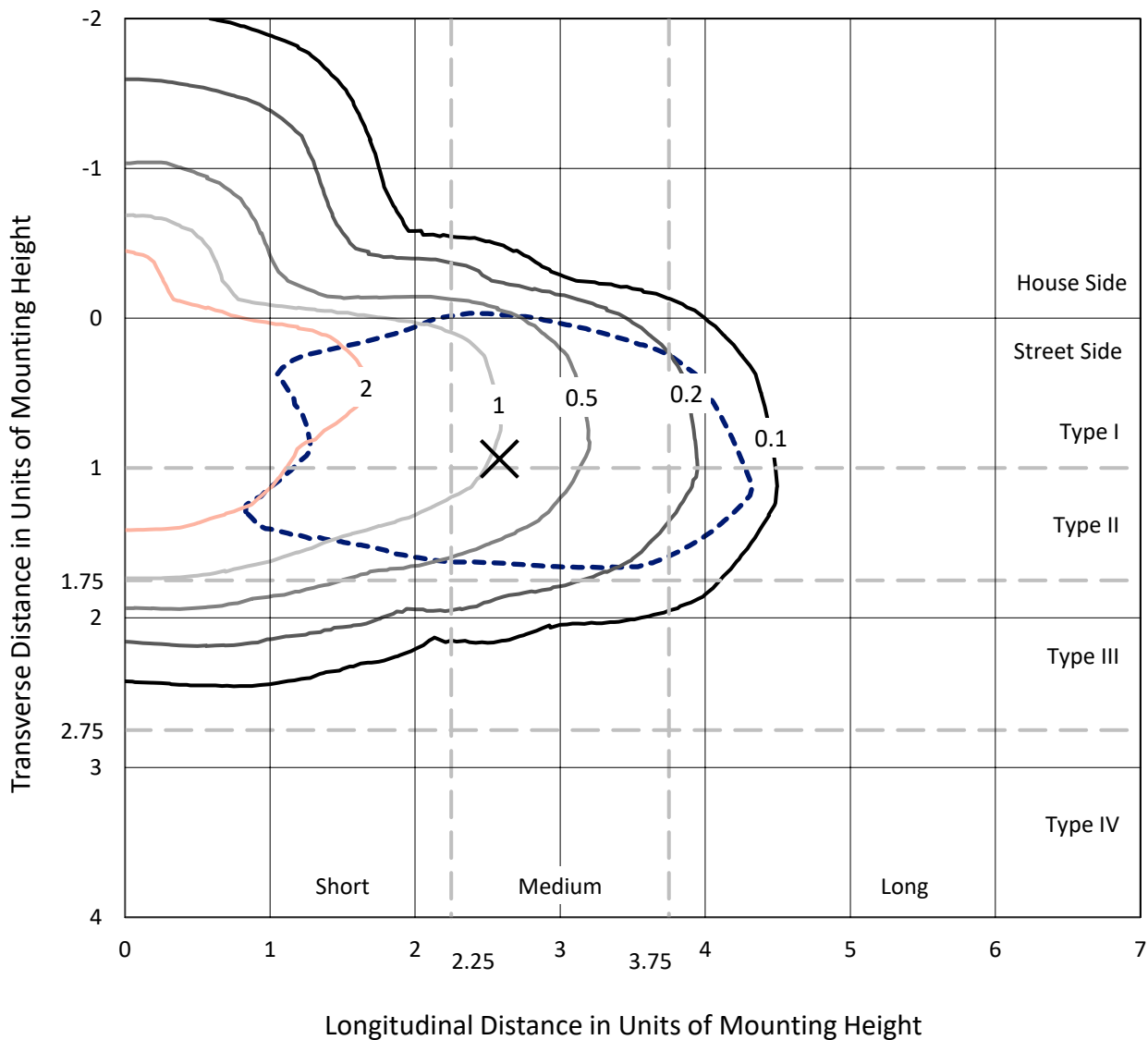
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

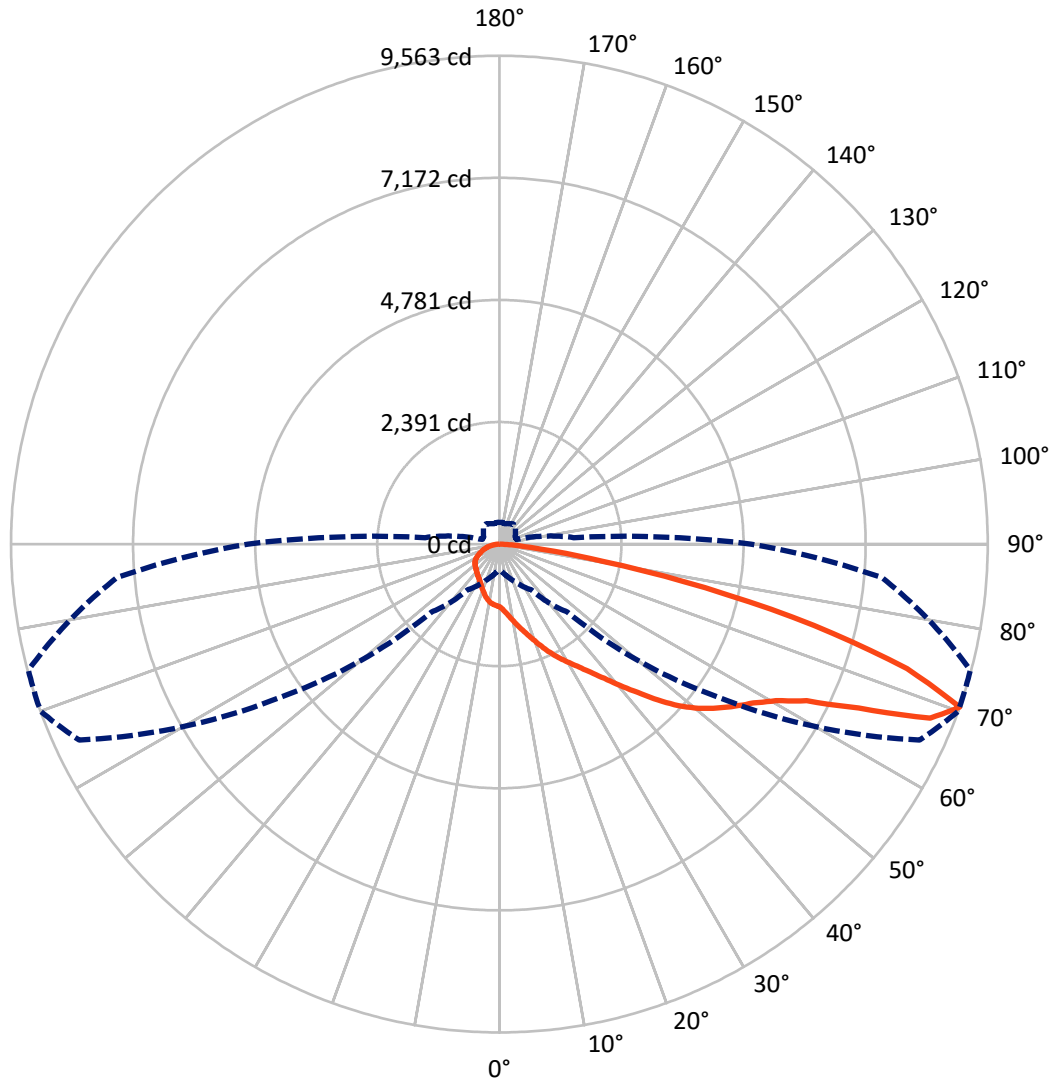
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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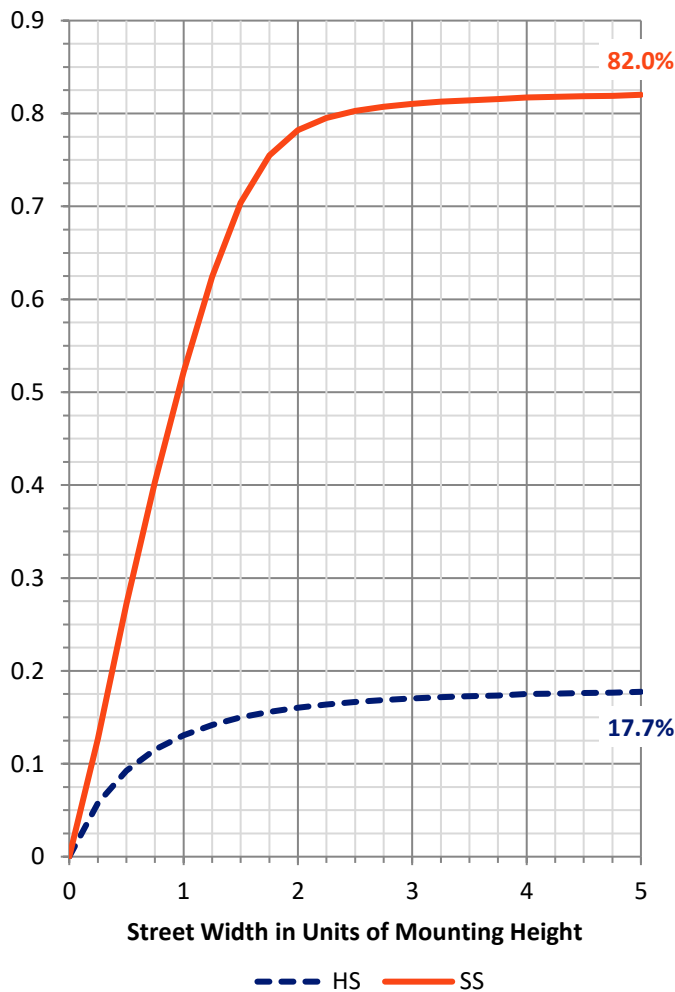
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1890.4	0.0	1890.4
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	8658.6	0.0	8658.6
	% Fixture	82.1	0.0	82.1
Total	Lumens	10549.0	0.0	10549.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.0	1.2
10°-20°	406.8	3.9
20°-30°	720.6	6.8
30°-40°	1084.5	10.3
40°-50°	1640.7	15.6
50°-60°	2350.4	22.3
60°-70°	2598.1	24.6
70°-80°	1466.2	13.9
80°-90°	156.8	1.5
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°	10549.0	100.0
0°-180°	10549.0	100.0

Coefficient of Utilization



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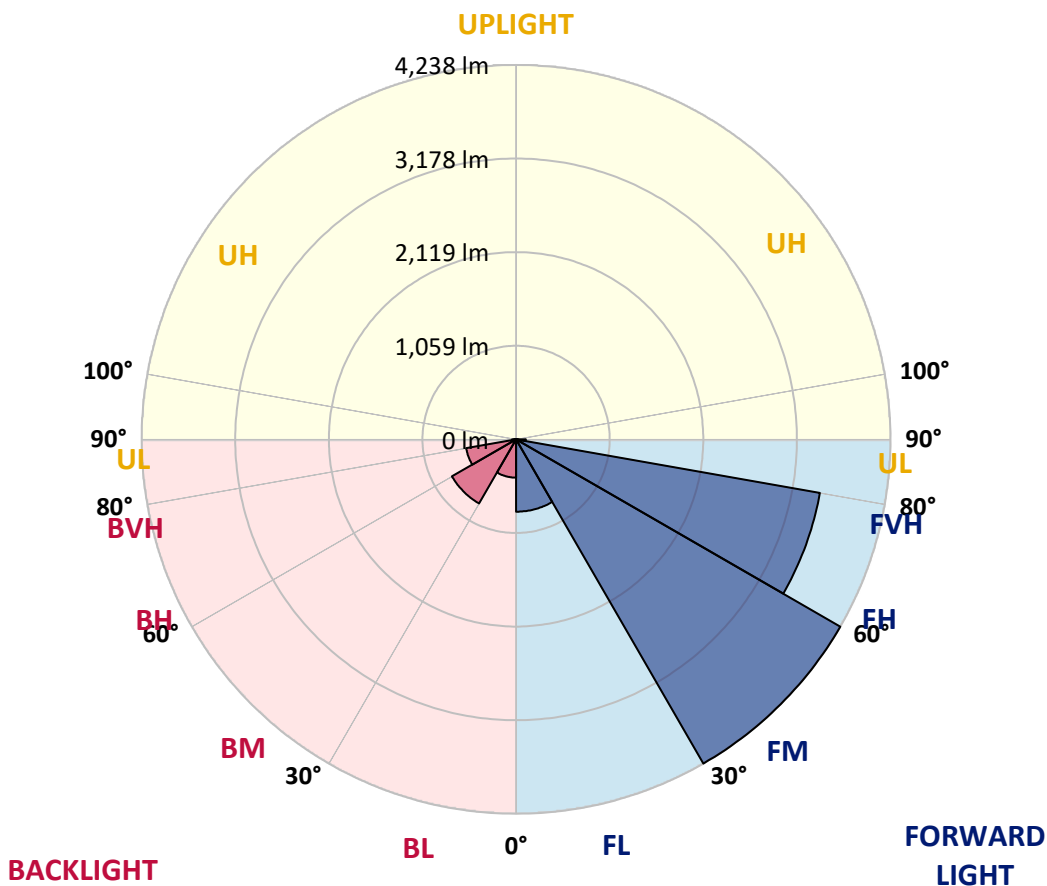
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	818.9	7.8			
FM (30°-60°)	4237.5	40.2			
FH (60°-80°)	3491.3	33.1			G2/5000
FVH (80°-90°)	110.9	1.1			G2/225
BL (0°-30°)	433.4	4.1	B1/500		
BM (30°-60°)	838.0	7.9	B1/1000		
BH (60°-80°)	573.0	5.4	B2/1000		G2/1000
BVH (80°-90°)	46.0	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1230.2	1230.2	1230.2	1230.2	1230.2	1230.2	1230.2	1230.2	1230.2	1230.2	1230.2
2.5°	1362.9	1360.6	1362.1	1360.6	1352.2	1331.6	1314.8	1293.5	1279.0	1270.6	1250.8
5°	1522.9	1520.6	1515.3	1507.7	1492.4	1464.2	1422.3	1375.8	1347.6	1326.3	1284.3
7.5°	1638.0	1638.0	1637.3	1628.1	1617.4	1587.7	1538.2	1477.2	1436.0	1399.4	1330.8
10°	1696.7	1700.5	1705.9	1718.8	1716.5	1700.5	1654.0	1588.5	1536.6	1494.0	1391.8
12.5°	1728.7	1731.0	1740.2	1766.8	1794.3	1798.1	1770.6	1702.0	1645.6	1588.5	1459.7
15°	1769.9	1770.6	1782.8	1814.9	1855.3	1895.7	1888.8	1820.2	1762.3	1699.0	1535.1
17.5°	1801.9	1807.2	1829.3	1866.7	1917.0	1972.6	2006.2	1963.5	1891.8	1819.4	1617.4
20°	1813.3	1817.1	1846.1	1903.3	1971.9	2050.4	2125.1	2113.7	2041.2	1955.9	1710.4
22.5°	1854.5	1854.5	1875.8	1923.9	2004.7	2119.0	2240.2	2269.9	2205.9	2106.0	1810.3
25°	1945.2	1942.2	1952.1	1971.9	2032.9	2173.9	2353.8	2442.9	2371.3	2259.2	1910.1
27.5°	2069.4	2067.9	2067.2	2070.2	2090.8	2221.9	2449.8	2604.5	2532.9	2406.3	1999.3
30°	2204.4	2199.8	2209.7	2200.5	2196.0	2279.1	2531.4	2749.3	2693.7	2551.9	2073.3
32.5°	2388.1	2379.7	2377.4	2347.7	2329.4	2368.2	2596.9	2914.0	2869.8	2708.9	2156.3
35°	2630.4	2622.8	2583.9	2536.7	2482.6	2500.9	2678.5	3074.8	3077.9	2905.6	2265.3
37.5°	2875.1	2876.6	2846.1	2734.9	2679.2	2668.6	2802.7	3270.7	3336.3	3140.4	2406.3
40°	3078.6	3087.8	3087.8	2970.4	2887.3	2877.4	2977.3	3503.2	3633.5	3428.5	2584.7
42.5°	3233.4	3241.7	3268.4	3183.8	3096.2	3130.5	3189.2	3736.4	3970.4	3784.4	2810.3
45°	3403.3	3410.2	3424.7	3375.9	3324.8	3416.3	3429.3	4015.4	4356.1	4183.9	3072.5
47.5°	3629.0	3622.9	3624.4	3588.6	3548.9	3696.8	3693.7	4250.2	4728.8	4621.4	3356.8
50°	3909.5	3920.9	3910.2	3839.3	3792.8	3927.7	3945.3	4510.1	5056.6	5054.3	3643.4
52.5°	4179.3	4183.9	4240.3	4243.3	4148.0	4119.8	4165.6	4772.3	5333.3	5450.7	3918.6
55°	4193.0	4210.5	4379.7	4501.7	4655.7	4429.3	4388.1	5022.3	5600.8	5838.6	4204.4
57.5°	3901.1	3929.3	4216.6	4479.6	4908.0	4960.6	4769.2	5345.5	5868.4	6220.5	4535.2
60°	3277.6	3336.3	3726.5	4129.0	4794.4	5342.4	5549.0	5784.5	6219.8	6610.8	4936.9
62.5°	2093.1	2115.9	2663.2	3337.0	4282.9	5305.1	6398.1	6558.2	6754.8	7119.2	5555.9
65°	1048.1	1121.2	1442.1	1991.7	3088.5	4674.7	6827.3	7975.2	7734.3	7989.6	6558.9
67.5°	711.2	734.8	897.1	1196.7	1811.0	3311.9	6561.2	9168.8	9097.9	9139.8	7628.4
70°	524.4	539.7	667.7	847.6	1095.3	1880.4	5223.5	9078.9	9562.9	9547.6	7516.3
72.5°	382.6	390.3	487.1	647.1	811.8	972.6	3189.9	7334.1	8347.9	8787.7	6573.4
75°	278.2	287.4	338.4	484.0	631.1	606.7	1574.8	5297.5	6366.1	7212.2	5355.4
77.5°	207.3	218.8	242.4	303.4	442.1	434.5	680.7	3439.9	4117.5	4710.6	3253.2
80°	149.4	151.7	165.4	194.4	280.5	254.6	323.9	1793.5	2056.5	2253.1	1275.2
82.5°	90.7	93.0	110.5	119.7	173.8	160.1	168.5	580.8	832.4	883.4	476.4
85°	26.7	28.2	50.3	54.9	72.4	68.6	67.8	236.3	282.0	360.5	187.5
87.5°	0.0	0.0	0.0	0.0	0.8	4.6	8.4	41.9	63.3	87.7	45.7
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°	1230.2	1230.2	1230.2	1230.2	1230.2	1230.2	1230.2	1230.2	1230.2	1230.2	1230.2
2.5°	1243.2	1225.7	1216.5	1200.5	1189.1	1177.6	1166.2	1155.5	1151.0	1144.1	1145.6
5°	1265.3	1237.9	1210.4	1179.2	1152.5	1130.4	1110.6	1093.0	1085.4	1078.5	1081.6
7.5°	1298.8	1257.7	1205.1	1147.9	1106.0	1075.5	1054.9	1042.7	1038.9	1033.6	1033.6
10°	1341.5	1279.8	1187.5	1106.0	1055.7	1031.3	1022.1	1021.4	1025.2	1026.0	1024.4
12.5°	1388.8	1301.1	1161.6	1056.4	1013.8	1006.1	1013.0	1026.0	1038.9	1045.8	1044.2
15°	1437.6	1314.8	1117.4	1009.2	983.3	993.2	1015.3	1041.2	1066.4	1079.3	1078.5
17.5°	1483.3	1317.9	1060.3	963.5	956.6	981.7	1019.9	1060.3	1094.6	1112.8	1113.6
20°	1534.4	1312.6	1001.6	922.3	929.9	971.1	1021.4	1070.2	1110.6	1128.9	1133.4
22.5°	1580.9	1294.3	944.4	883.4	907.0	958.1	1009.2	1054.9	1090.7	1108.3	1114.4
25°	1622.8	1259.2	881.9	850.6	889.5	939.8	978.7	1010.7	1035.9	1046.5	1054.9
27.5°	1645.6	1206.6	834.6	824.7	872.7	913.9	935.3	945.2	953.5	950.5	956.6
30°	1650.2	1141.1	793.5	804.1	847.6	878.1	882.7	872.7	858.3	834.6	840.0
32.5°	1645.6	1065.6	759.2	782.0	819.4	837.7	831.6	805.7	770.6	734.0	736.3
35°	1647.2	989.4	731.0	757.7	786.6	796.5	781.3	745.5	708.1	674.6	673.0
37.5°	1663.9	925.3	707.3	734.0	754.6	756.1	739.4	702.0	683.0	657.8	654.8
40°	1710.4	878.1	686.0	710.4	723.4	722.6	703.5	676.9	689.8	681.4	679.1
42.5°	1786.7	849.1	668.5	685.2	694.4	695.9	680.7	663.9	692.1	681.4	677.6
45°	1909.4	847.6	656.3	660.1	674.6	685.2	674.6	655.5	666.2	614.4	604.4
47.5°	2055.0	873.5	647.1	638.0	663.1	682.2	665.4	634.9	612.8	565.6	558.7
50°	2230.3	926.1	638.7	614.4	646.4	670.8	654.0	612.1	578.5	553.4	549.6
52.5°	2438.4	995.5	628.1	587.7	621.2	664.7	654.0	609.8	565.6	542.7	538.9
55°	2656.4	1075.5	615.9	555.7	593.0	666.2	659.3	593.8	555.7	543.5	540.4
57.5°	2926.9	1171.5	593.8	518.3	567.9	652.5	638.0	584.6	548.8	538.9	535.8
60°	3278.3	1314.1	551.9	480.2	538.9	628.1	618.9	569.4	530.5	522.1	519.8
62.5°	3834.8	1555.7	500.8	443.6	504.6	577.0	590.7	540.4	507.6	506.9	506.1
65°	4741.8	1846.1	440.6	410.8	468.8	535.1	553.4	510.7	484.0	492.4	491.6
67.5°	5377.5	1871.3	391.0	376.5	426.8	489.3	516.0	480.2	451.2	467.2	466.5
70°	4925.5	1459.7	348.3	340.7	381.9	439.8	475.6	442.1	413.1	428.4	425.3
72.5°	4154.1	1118.9	307.9	303.4	336.1	388.0	423.8	404.0	373.5	373.5	366.6
75°	3338.5	923.1	265.3	263.0	285.1	335.4	375.8	342.2	314.0	312.5	307.9
77.5°	1914.7	605.2	222.6	221.0	227.9	280.5	291.9	285.1	263.7	253.8	250.8
80°	763.0	314.8	175.3	165.4	172.3	205.8	230.2	218.8	200.5	188.3	181.4
82.5°	295.7	157.8	123.5	108.2	118.1	148.6	166.9	163.1	150.9	123.5	115.9
85°	120.4	77.0	73.9	62.5	68.6	80.0	96.0	83.1	68.6	48.8	46.5
87.5°	32.0	28.2	27.4	16.8	13.0	3.8	0.8	0.0	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)