

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: P635201

Luminaire Tested: GWS-SA3D-730-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635201
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-730-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14049.8 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 120.8
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

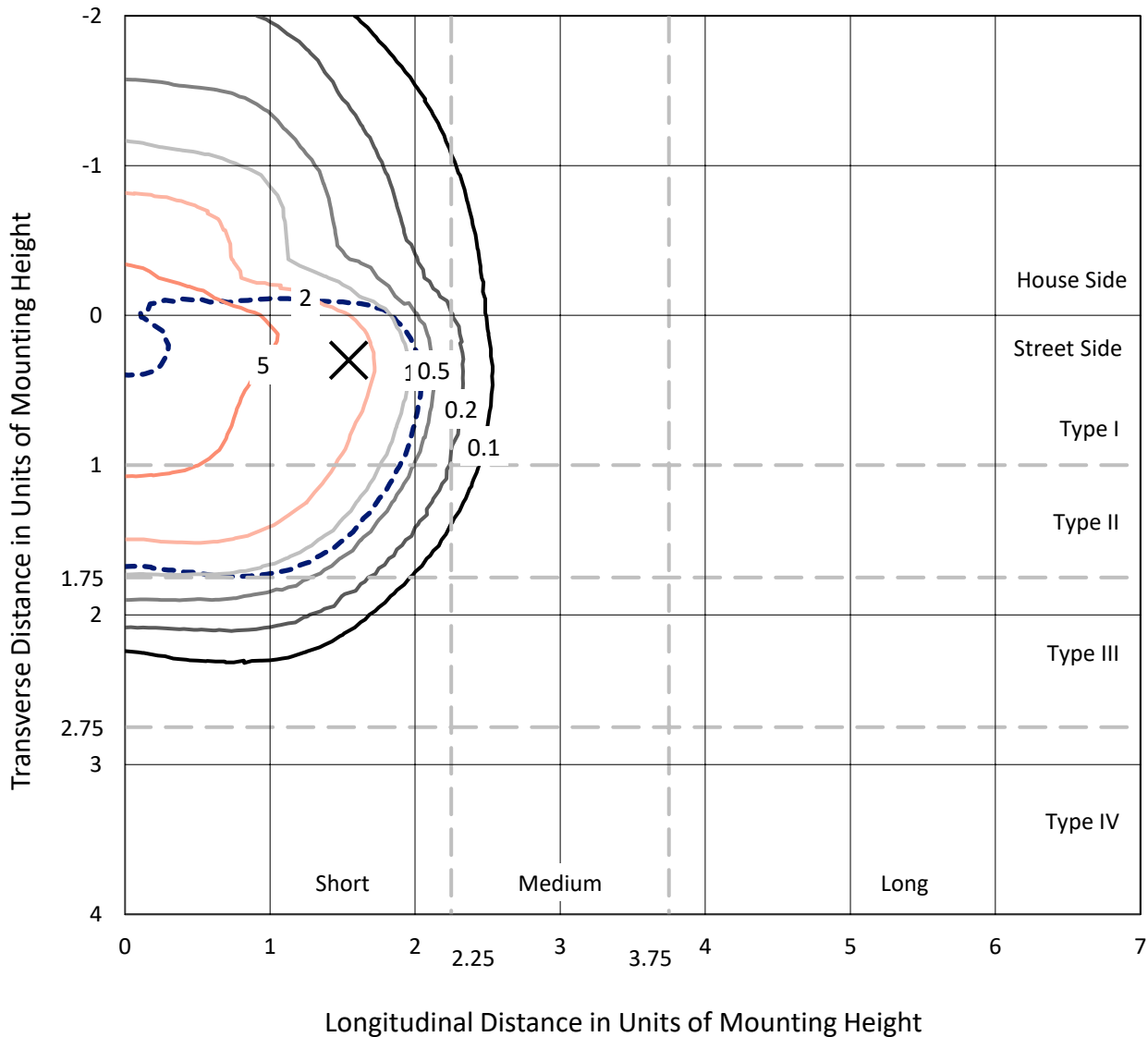


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Iso-Footcandle Lines of Horizontal Illumination

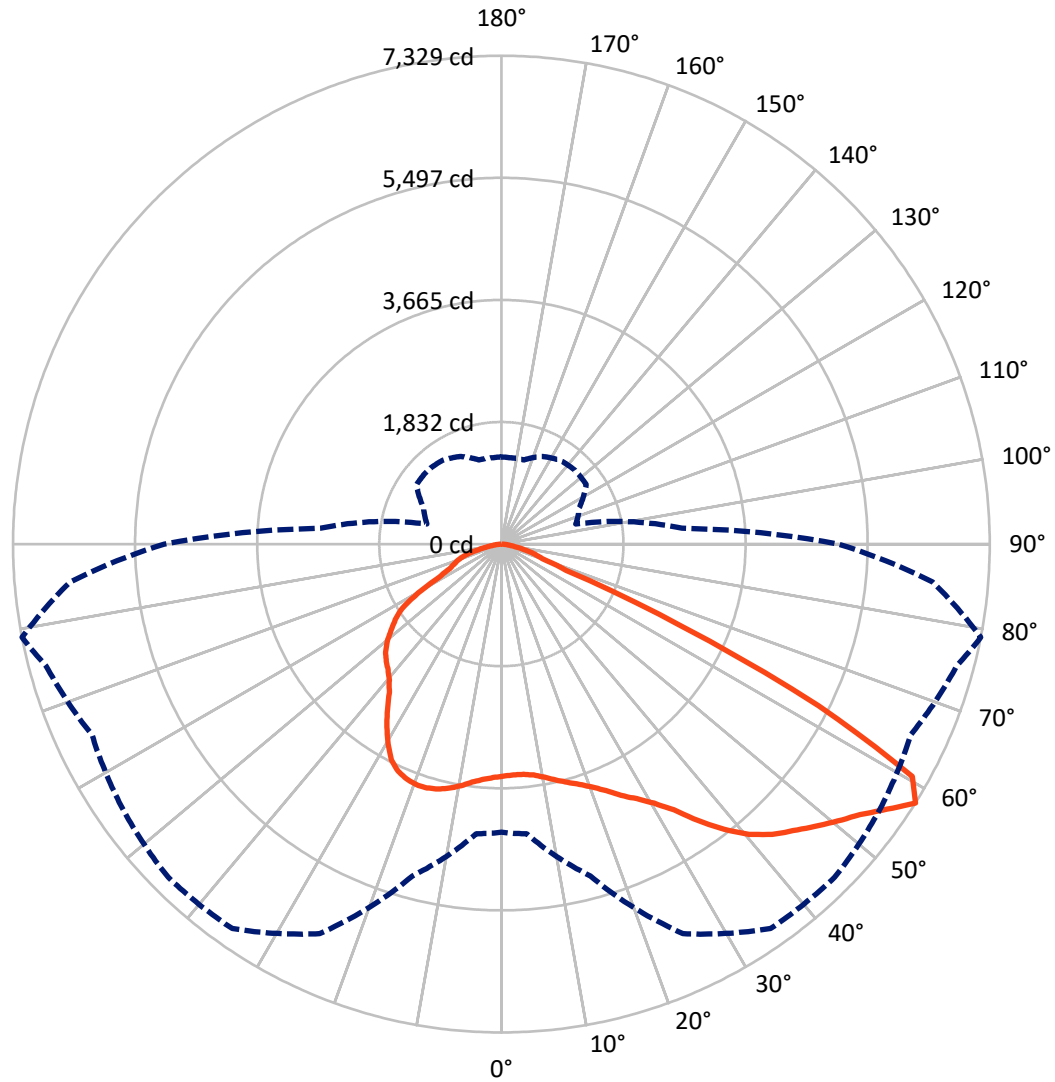
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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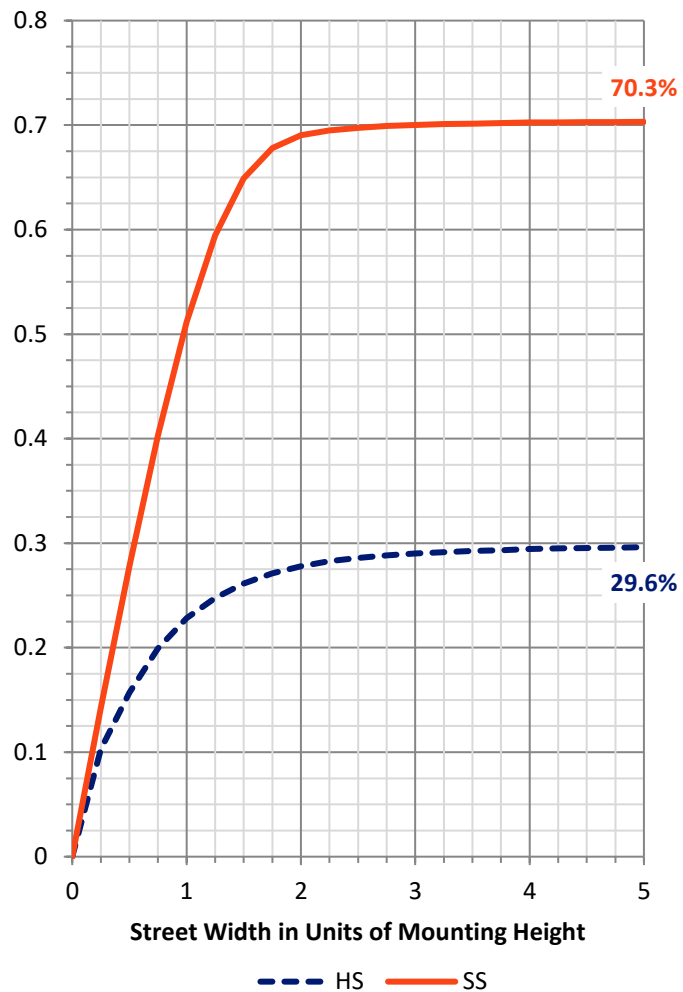
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4176.3	0.0	4176.3
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	9873.4	0.0	9873.4
	% Fixture	70.3	0.0	70.3
Total	Lumens	14049.8	0.0	14049.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.4	2.3
10°-20°	896.1	6.4
20°-30°	1518.9	10.8
30°-40°	2324.9	16.5
40°-50°	3100.0	22.1
50°-60°	3580.3	25.5
60°-70°	1860.4	13.2
70°-80°	395.5	2.8
80°-90°	51.2	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°	14049.8	100.0
0°-180°	14049.8	100.0

Coefficient of Utilization



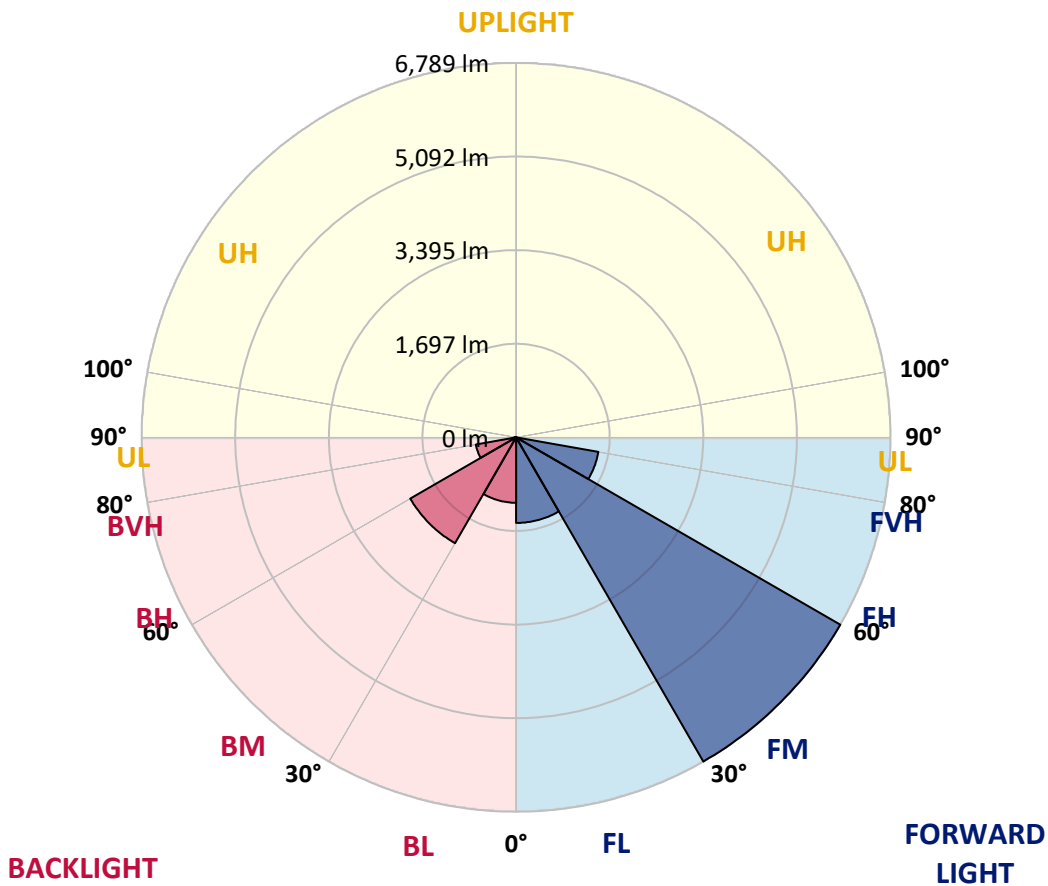
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1551.4	11.0			
FM (30°-60°)	6789.3	48.3			
FH (60°-80°)	1514.9	10.8			G1/1800
FVH (80°-90°)	17.8	0.1			G1/100
BL (0°-30°)	1186.0	8.4	B3/2500		
BM (30°-60°)	2215.9	15.8	B2/2500		
BH (60°-80°)	741.0	5.3	B2/1000		G2/1000
BVH (80°-90°)	33.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	3481.9	3481.9	3481.9	3481.9	3481.9	3481.9	3481.9	3481.9	3481.9	3481.9	3481.9
2.5°	3323.3	3316.4	3318.7	3327.9	3362.4	3387.7	3414.1	3438.2	3461.2	3468.1	3473.8
5°	3205.0	3192.4	3195.8	3210.8	3251.0	3293.5	3340.6	3398.0	3453.1	3471.5	3495.7
7.5°	3121.2	3118.9	3124.6	3147.6	3190.1	3230.3	3291.2	3372.7	3468.1	3499.1	3541.6
10°	3009.7	3005.1	3028.1	3075.2	3145.3	3209.6	3282.0	3378.5	3511.7	3557.7	3623.2
12.5°	2921.3	2919.0	2943.1	3008.6	3098.2	3200.4	3300.4	3408.3	3570.3	3633.5	3713.9
15°	2973.0	2962.6	2963.8	3009.7	3090.1	3210.8	3346.3	3462.3	3628.9	3709.3	3812.7
17.5°	3123.5	3105.1	3091.3	3099.3	3145.3	3270.5	3416.4	3534.7	3696.7	3790.9	3917.2
20°	3331.4	3321.0	3283.1	3257.9	3268.2	3378.5	3526.7	3636.9	3785.1	3890.8	4026.4
22.5°	3610.5	3585.3	3533.6	3493.4	3462.3	3548.5	3685.2	3780.5	3908.1	4018.3	4159.6
25°	3956.3	3919.5	3838.0	3774.8	3708.2	3796.6	3918.4	3990.8	4076.9	4179.2	4313.6
27.5°	4309.0	4277.9	4187.2	4102.2	4019.5	4074.6	4219.4	4260.7	4251.5	4326.2	4441.1
30°	4684.6	4645.6	4559.4	4467.5	4360.7	4396.3	4526.1	4546.8	4449.1	4511.1	4589.3
32.5°	5080.9	5043.0	4968.3	4861.5	4740.9	4754.7	4790.3	4809.8	4716.8	4752.4	4812.1
35°	5484.1	5448.5	5372.7	5267.0	5178.6	5094.7	5005.1	5083.2	5029.2	5098.2	5093.6
37.5°	5852.9	5817.3	5770.2	5688.6	5537.0	5371.6	5164.8	5261.3	5345.1	5432.4	5417.5
40°	6102.2	6078.0	6089.5	6076.9	5881.6	5554.2	5242.9	5348.6	5577.2	5726.5	5718.5
42.5°	6317.0	6292.9	6359.5	6407.7	6178.0	5723.1	5280.8	5381.9	5725.4	5958.6	5947.1
45°	6412.3	6405.4	6515.7	6668.5	6449.1	5902.3	5378.5	5450.8	5838.0	6136.6	6093.0
47.5°	6298.6	6322.7	6539.8	6798.3	6674.2	6114.8	5578.3	5596.7	5985.0	6329.6	6206.7
50°	6072.3	6125.1	6418.1	6801.8	6838.5	6354.9	5855.2	5809.2	6182.6	6535.2	6266.4
52.5°	5742.6	5797.7	6275.6	6775.3	6932.7	6632.9	6223.9	6158.5	6431.9	6740.9	6276.8
55°	4985.6	5060.2	5949.4	6715.6	7024.6	6885.6	6639.8	6506.5	6753.5	7023.5	6379.0
57.5°	4325.0	4364.1	5154.4	6450.2	7043.0	7071.7	6936.2	6777.6	7072.9	7329.0	6493.9
60°	3174.0	3183.2	3894.3	5337.1	6479.0	6963.7	6912.0	6676.5	6921.2	7084.3	5967.8
62.5°	1793.2	1794.3	2361.8	3562.3	4839.7	5676.0	5708.1	5500.2	5294.6	5342.8	4153.9
65°	673.2	736.3	1078.7	1750.7	2790.3	3350.9	3484.2	3532.4	3190.1	2977.6	2227.4
67.5°	450.3	465.2	629.5	900.6	1241.8	1433.6	1603.7	1608.3	1176.3	1048.8	877.6
70°	343.5	358.4	495.1	644.4	629.5	581.3	628.4	611.1	631.8	649.0	667.4
72.5°	256.2	271.1	383.7	454.9	377.9	372.2	421.6	468.7	512.3	530.7	559.4
75°	170.0	181.5	258.5	243.5	209.1	247.0	307.9	355.0	380.2	402.1	423.9
77.5°	108.0	116.0	137.9	111.4	116.0	144.7	179.2	221.7	245.8	267.7	279.1
80°	49.4	48.2	47.1	52.8	65.5	85.0	108.0	133.3	151.6	160.8	167.7
82.5°	19.5	21.8	24.1	28.7	35.6	46.0	60.9	78.1	93.0	95.3	101.1
85°	8.0	9.2	10.3	12.6	16.1	20.7	25.3	35.6	44.8	48.2	51.7
87.5°	0.0	0.0	0.0	0.0	1.1	2.3	3.4	5.7	10.3	11.5	12.6
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°	3481.9	3481.9	3481.9	3481.9	3481.9	3481.9	3481.9	3481.9	3481.9	3481.9	3481.9
2.5°	3504.8	3489.9	3515.2	3532.4	3548.5	3531.3	3525.5	3510.6	3508.3	3508.3	3516.3
5°	3537.0	3526.7	3553.1	3563.4	3562.3	3524.4	3501.4	3471.5	3456.6	3456.6	3458.9
7.5°	3594.4	3588.7	3603.6	3587.6	3550.8	3473.8	3398.0	3334.8	3292.3	3270.5	3277.4
10°	3689.8	3682.9	3670.3	3610.5	3504.8	3345.2	3190.1	3075.2	3006.3	2967.2	2969.5
12.5°	3782.8	3771.4	3726.5	3594.4	3377.3	3123.5	2920.1	2791.5	2715.6	2669.7	2659.4
15°	3885.1	3855.2	3758.7	3511.7	3169.4	2852.3	2639.8	2500.8	2419.3	2391.7	2390.6
17.5°	3982.7	3929.9	3755.3	3364.7	2920.1	2568.6	2354.9	2268.8	2255.0	2267.6	2271.1
20°	4081.5	3996.5	3717.4	3161.4	2623.7	2286.0	2175.7	2211.3	2263.0	2297.5	2305.5
22.5°	4183.8	4051.6	3631.2	2899.4	2311.3	2095.3	2141.3	2219.4	2283.7	2329.7	2334.3
25°	4298.6	4103.3	3502.5	2578.9	2060.9	2042.5	2133.2	2215.9	2284.9	2337.7	2346.9
27.5°	4364.1	4104.5	3322.2	2249.3	1946.0	2021.8	2113.7	2191.8	2260.7	2318.2	2328.5
30°	4428.4	4073.5	3036.1	1981.6	1912.7	1997.7	2080.4	2152.8	2218.2	2274.5	2287.2
32.5°	4519.2	4044.8	2706.5	1827.7	1893.1	1974.7	2042.5	2106.8	2157.4	2182.6	2189.5
35°	4631.8	4008.0	2356.1	1761.0	1880.5	1956.3	2016.1	2050.5	1985.0	1971.3	1986.2
37.5°	4789.1	3973.5	2006.9	1732.3	1872.5	1949.4	2002.3	1913.8	1833.4	1801.2	1812.7
40°	4959.2	3954.0	1770.2	1709.3	1875.9	1956.3	1944.8	1813.9	1697.9	1630.1	1627.8
42.5°	5103.9	3924.1	1618.6	1694.4	1885.1	1982.7	1866.7	1725.4	1553.1	1512.9	1514.1
45°	5201.5	3848.3	1538.2	1678.3	1893.1	1988.5	1830.0	1603.7	1480.7	1455.5	1454.3
47.5°	5241.8	3710.5	1486.5	1653.1	1892.0	1941.4	1755.3	1553.1	1430.2	1423.3	1427.9
50°	5215.3	3484.2	1433.6	1603.7	1864.4	1892.0	1669.1	1508.3	1395.7	1433.6	1461.2
52.5°	5117.7	3191.2	1370.5	1535.9	1815.0	1835.7	1625.5	1480.7	1370.5	1421.0	1442.8
55°	5092.4	2953.4	1290.0	1447.4	1741.5	1735.8	1579.5	1467.0	1353.2	1333.7	1337.1
57.5°	5059.1	2721.4	1156.8	1288.9	1555.4	1564.6	1535.9	1450.9	1308.4	1302.7	1308.4
60°	4395.1	2086.1	1031.6	1112.0	1277.4	1326.8	1486.5	1421.0	1236.1	1211.9	1210.8
62.5°	2870.7	1263.6	917.9	969.5	1040.8	1098.2	1355.5	1334.8	1156.8	1141.9	1152.2
65°	1543.9	900.6	835.1	866.2	905.2	948.9	1123.5	1189.0	1045.4	992.5	993.7
67.5°	789.2	766.2	773.1	794.9	824.8	846.6	906.4	963.8	891.4	846.6	845.5
70°	675.5	693.8	704.2	716.8	736.3	732.9	738.6	749.0	743.2	721.4	720.3
72.5°	575.5	604.2	606.5	608.8	615.7	599.6	589.3	572.1	573.2	576.7	577.8
75°	437.7	465.2	472.1	468.7	475.6	454.9	441.1	423.9	403.2	399.8	402.1
77.5°	284.9	306.7	317.1	314.8	318.2	302.1	295.2	276.8	252.7	243.5	243.5
80°	172.3	184.9	193.0	195.3	198.7	187.2	175.8	159.7	149.3	139.0	139.0
82.5°	104.5	112.6	118.3	118.3	121.8	109.1	99.9	88.5	83.9	74.7	74.7
85°	52.8	58.6	60.9	59.7	57.4	47.1	43.7	37.9	35.6	31.0	31.0
87.5°	12.6	16.1	16.1	11.5	11.5	5.7	3.4	1.1	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)