

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: P632864

Luminaire Tested: GWS-SA2D-750-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632864
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-750-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10002.2 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

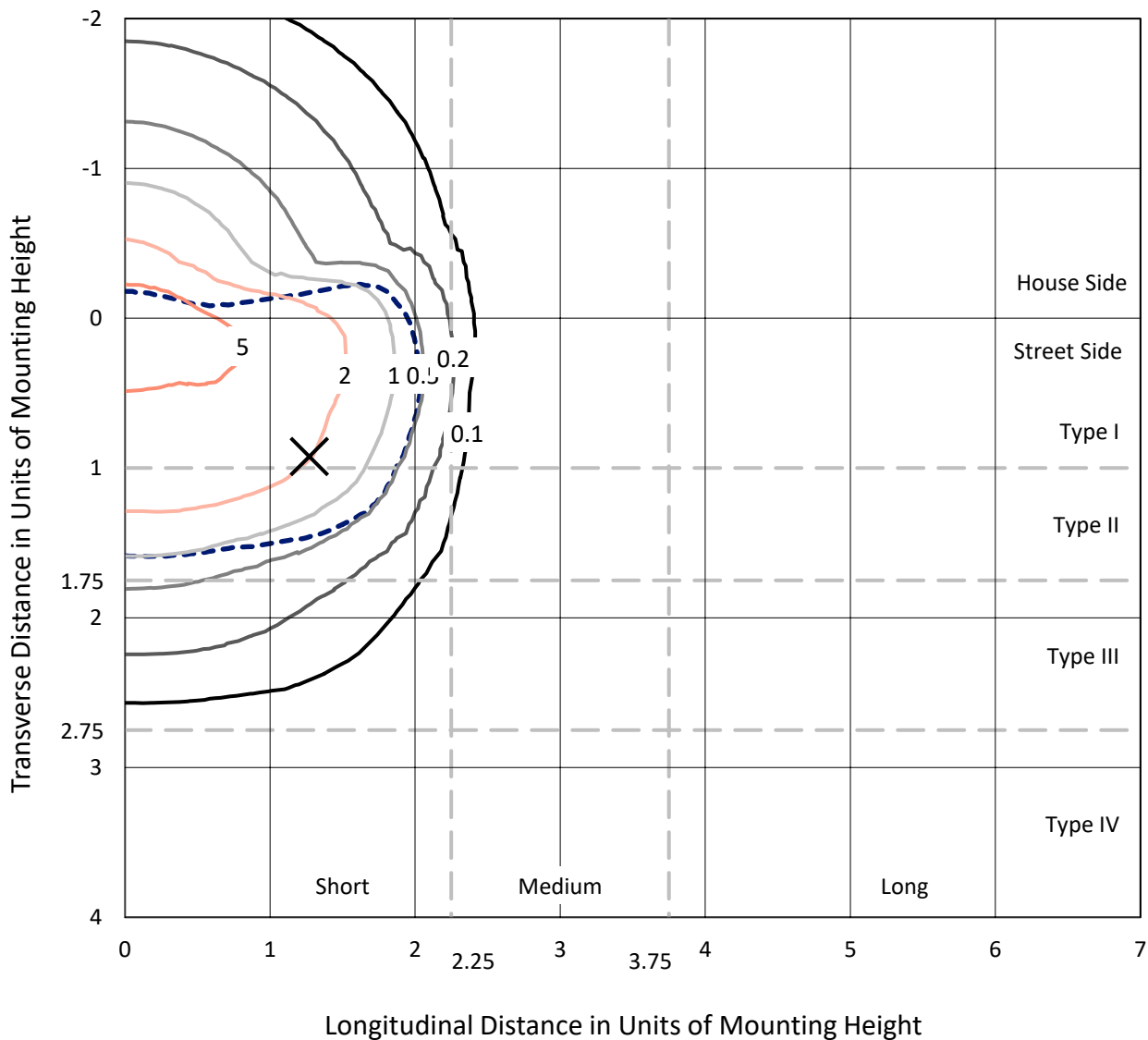
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

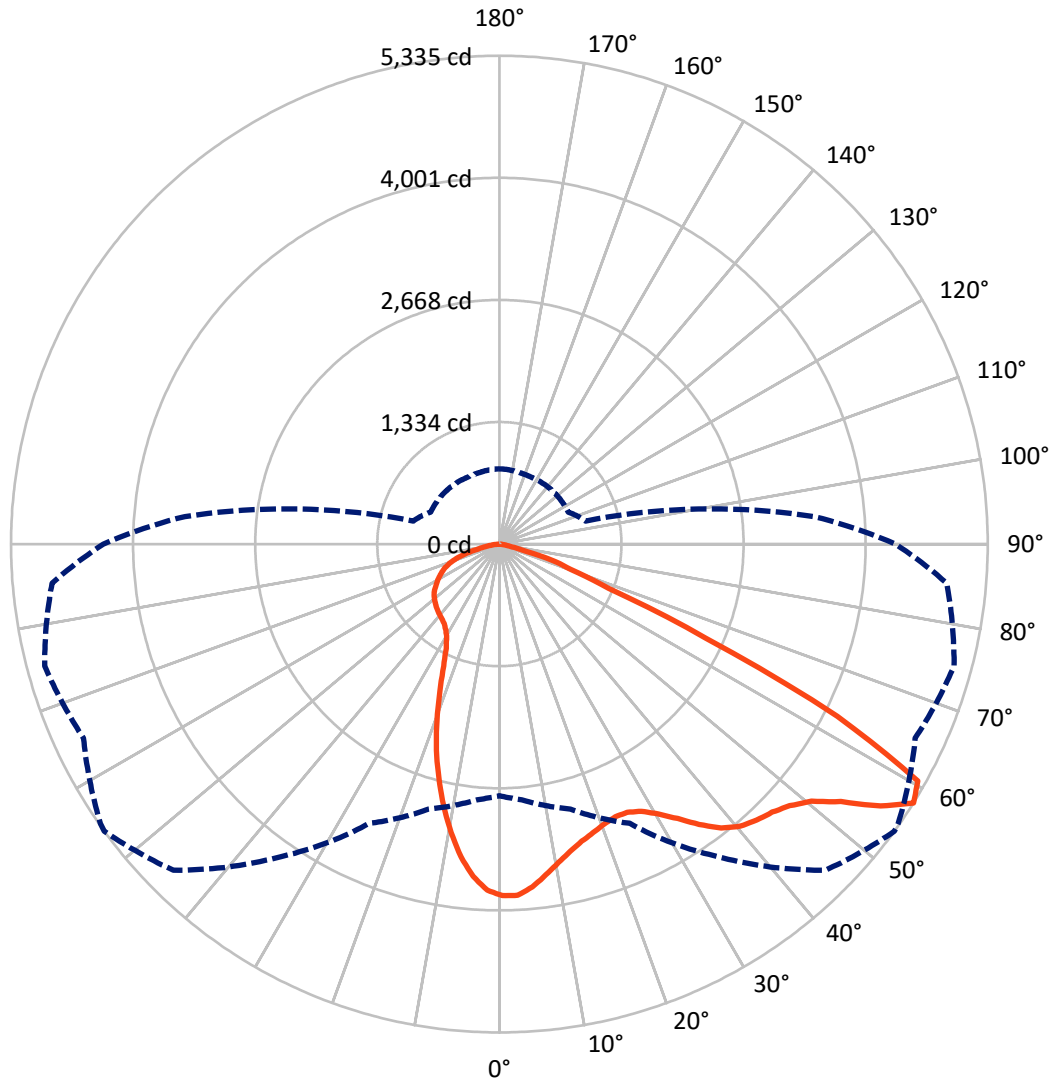
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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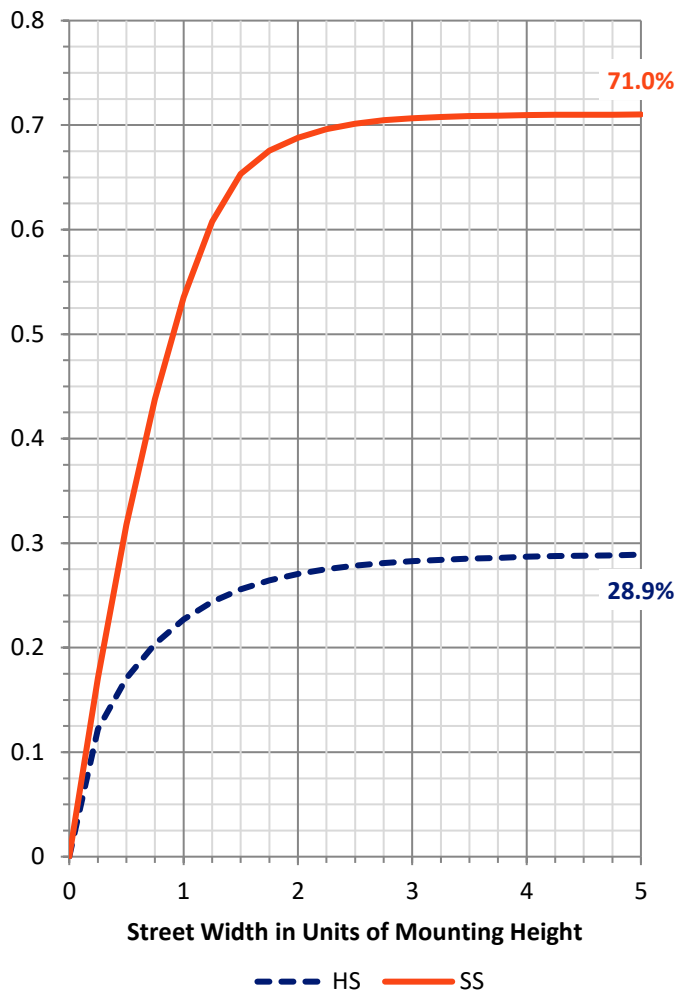
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2907.7	0.0	2907.7
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	7094.4	0.0	7094.4
	% Fixture	70.9	0.0	70.9
Total	Lumens	10002.2	0.0	10002.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.5	3.4
10°-20°	805.4	8.1
20°-30°	1114.6	11.1
30°-40°	1548.7	15.5
40°-50°	2045.4	20.4
50°-60°	2430.6	24.3
60°-70°	1346.6	13.5
70°-80°	335.3	3.4
80°-90°	38.1	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°	10002.2	100.0
0°-180°	10002.2	100.0

Coefficient of Utilization



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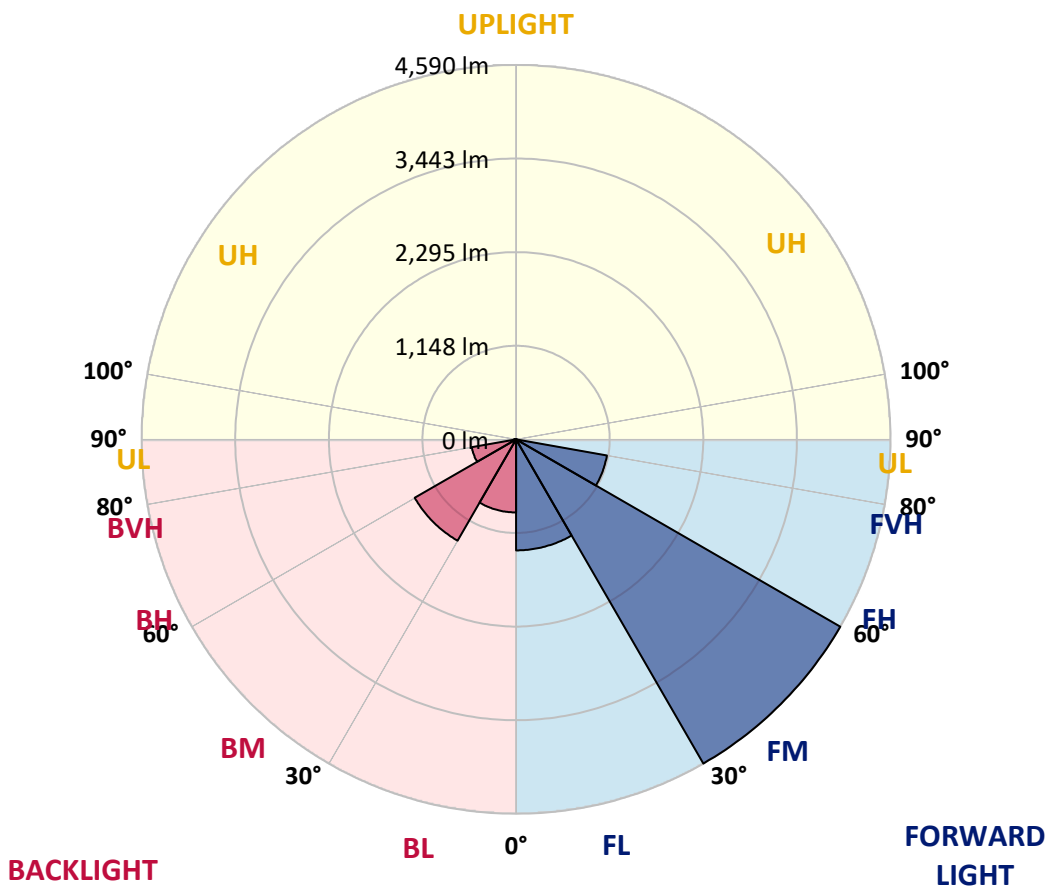
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1361.5	13.6			
FM (30°-60°)	4590.2	45.9			
FH (60°-80°)	1130.9	11.3			G1/1800
FVH (80°-90°)	11.9	0.1			G1/100
BL (0°-30°)	896.1	9.0	B2/1000		
BM (30°-60°)	1434.5	14.3	B2/2500		
BH (60°-80°)	551.0	5.5	B2/1000		G2/1000
BVH (80°-90°)	26.2	0.3			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	3840.1	3840.1	3840.1	3840.1	3840.1	3840.1	3840.1	3840.1	3840.1	3840.1	3840.1
2.5°	3768.2	3775.9	3781.0	3799.0	3814.4	3828.1	3842.6	3842.6	3841.8	3839.2	3834.1
5°	3619.2	3627.7	3639.7	3664.6	3697.9	3721.9	3761.3	3764.7	3781.8	3788.7	3785.3
7.5°	3446.2	3448.8	3464.2	3496.7	3549.8	3592.6	3649.1	3656.0	3697.1	3721.1	3716.8
10°	3257.0	3248.4	3275.8	3323.8	3393.1	3465.1	3537.8	3543.8	3609.8	3655.1	3651.7
12.5°	3084.0	3084.9	3112.3	3170.5	3257.0	3346.0	3443.6	3457.3	3538.7	3596.9	3590.9
15°	2939.3	2942.8	2976.2	3042.1	3140.6	3246.7	3368.3	3381.1	3483.9	3560.9	3543.8
17.5°	2823.8	2827.2	2856.3	2931.6	3037.0	3165.4	3313.5	3326.3	3453.9	3545.5	3510.4
20°	2744.1	2742.4	2770.7	2842.6	2951.3	3090.9	3265.6	3284.4	3444.5	3551.5	3488.2
22.5°	2711.6	2710.7	2731.3	2790.4	2892.3	3033.5	3236.4	3262.1	3454.8	3578.1	3474.5
25°	2727.9	2724.4	2742.4	2786.1	2867.4	3011.3	3245.0	3272.4	3498.4	3632.9	3477.0
27.5°	2778.4	2774.1	2789.5	2828.9	2890.5	3034.4	3304.9	3336.6	3590.9	3733.0	3511.3
30°	2855.4	2852.9	2868.3	2906.0	2959.9	3111.4	3419.7	3455.6	3733.9	3888.9	3585.8
32.5°	2945.3	2941.1	2968.5	3012.1	3074.6	3251.9	3573.8	3620.9	3903.4	4089.2	3710.8
35°	3046.4	3042.9	3080.6	3144.0	3233.9	3447.1	3760.4	3811.8	4076.4	4316.1	3876.9
37.5°	3144.8	3144.8	3217.6	3311.8	3424.8	3659.4	3936.0	3968.5	4196.3	4517.3	4055.0
40°	3232.2	3237.3	3346.9	3488.2	3632.0	3851.2	4051.6	4079.0	4249.3	4656.0	4210.0
42.5°	3328.9	3333.2	3460.8	3645.7	3817.0	4006.2	4121.8	4135.5	4259.6	4725.4	4319.5
45°	3406.0	3412.0	3570.4	3768.2	3977.9	4122.6	4177.4	4189.4	4274.2	4763.1	4399.2
47.5°	3446.2	3454.8	3636.3	3866.6	4086.7	4227.1	4269.0	4274.2	4334.1	4829.0	4495.1
50°	3439.4	3456.5	3661.1	3915.4	4167.1	4332.4	4416.3	4424.9	4456.5	4925.7	4607.2
52.5°	3500.2	3507.9	3714.2	3973.6	4281.9	4526.7	4672.3	4684.3	4669.7	4998.5	4674.0
55°	3399.1	3435.9	3648.3	3965.1	4456.5	4827.3	5051.6	5045.6	4863.2	5079.9	4785.3
57.5°	2749.3	2803.2	2997.6	3365.7	4168.9	5037.9	5335.0	5320.4	5013.1	5142.4	4906.0
60°	1903.3	1911.9	2087.4	2348.6	3217.6	4450.5	5252.0	5283.6	5040.5	5063.6	4682.6
62.5°	1522.3	1519.8	1536.0	1542.9	2046.3	3128.6	4145.7	4261.3	4187.7	3945.4	3318.6
65°	1299.7	1309.1	1357.1	1332.3	1335.7	1762.1	2477.0	2493.3	2441.9	2354.6	1755.2
67.5°	1017.2	1033.4	1118.2	1215.0	1184.1	1134.5	1285.2	1277.5	1006.9	779.1	643.9
70°	637.0	647.3	738.0	953.8	1030.9	931.5	826.2	822.8	539.4	443.5	486.3
72.5°	371.6	373.3	399.0	531.7	684.1	637.0	607.9	585.6	346.8	353.6	387.9
75°	204.6	204.6	203.8	229.5	269.7	238.9	231.2	225.2	232.0	262.9	288.5
77.5°	42.8	43.7	46.2	60.8	78.8	95.9	120.7	121.6	151.5	175.5	196.1
80°	19.7	20.5	25.7	32.5	42.0	55.7	73.6	74.5	91.6	110.5	124.1
82.5°	10.3	11.1	13.7	17.1	22.3	29.1	41.1	41.1	54.8	65.1	73.6
85°	3.4	3.4	5.1	6.8	9.4	12.0	16.3	16.3	24.0	31.7	36.8
87.5°	0.0	0.0	0.0	0.0	0.9	1.7	3.4	3.4	4.3	5.1	8.6
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°	3840.1	3840.1	3840.1	3840.1	3840.1	3840.1	3840.1	3840.1	3840.1	3840.1	3840.1
2.5°	3822.9	3796.4	3797.3	3802.4	3786.1	3761.3	3745.0	3724.5	3711.6	3709.1	3718.5
5°	3768.2	3737.3	3715.9	3693.7	3647.4	3592.6	3549.8	3514.7	3491.6	3483.0	3472.8
7.5°	3692.8	3652.6	3598.6	3536.1	3452.2	3354.6	3286.1	3221.9	3177.4	3164.5	3158.5
10°	3617.5	3559.2	3463.3	3346.9	3207.3	3075.5	2951.3	2856.3	2780.9	2738.1	2751.8
12.5°	3539.5	3467.6	3317.8	3138.8	2944.5	2745.8	2583.2	2425.6	2304.0	2243.3	2225.3
15°	3471.0	3373.4	3164.5	2922.2	2663.6	2413.6	2178.2	1941.9	1787.8	1703.8	1680.7
17.5°	3412.8	3286.1	3002.7	2701.3	2392.2	2036.1	1746.7	1527.5	1422.2	1375.9	1372.5
20°	3355.5	3200.5	2842.6	2463.3	2078.9	1679.9	1421.3	1318.6	1280.9	1264.6	1263.8
22.5°	3304.1	3110.6	2673.9	2225.3	1767.2	1411.9	1269.7	1225.2	1215.0	1215.0	1213.2
25°	3260.4	3020.7	2501.0	1972.7	1485.5	1256.9	1191.0	1172.1	1176.4	1184.1	1185.0
27.5°	3242.4	2950.5	2334.0	1713.3	1291.2	1167.0	1137.0	1134.5	1146.5	1158.4	1160.2
30°	3261.3	2902.5	2162.8	1465.0	1174.7	1112.2	1098.5	1103.6	1118.2	1130.2	1130.2
32.5°	3319.5	2878.6	1988.1	1283.4	1107.1	1073.7	1069.4	1074.5	1085.7	1092.5	1093.4
35°	3418.0	2888.0	1807.4	1161.0	1063.4	1045.4	1044.6	1048.0	1052.3	1056.6	1057.4
37.5°	3542.1	2929.9	1613.9	1089.9	1035.1	1024.9	1023.2	1022.3	1023.2	1023.2	1024.0
40°	3663.7	2993.3	1441.0	1048.0	1015.5	1006.9	1002.6	996.6	995.8	994.1	993.2
42.5°	3753.6	3042.1	1303.1	1018.0	997.5	987.2	982.1	972.6	971.8	970.9	970.1
45°	3821.2	3083.2	1188.4	988.9	978.6	969.2	958.1	949.5	951.2	953.0	953.0
47.5°	3897.4	3119.1	1104.5	961.5	955.5	946.1	932.4	926.4	932.4	938.4	938.4
50°	3989.9	3169.7	1036.0	934.1	931.5	920.4	908.4	905.9	912.7	921.3	921.3
52.5°	4057.5	3213.3	987.2	906.7	906.7	892.2	881.9	881.0	888.7	897.3	898.2
55°	4184.3	3315.2	970.1	875.0	871.6	860.5	852.8	846.8	856.2	863.9	863.9
57.5°	4327.3	3450.5	974.4	829.7	825.4	822.0	816.0	809.1	811.7	820.2	821.1
60°	4024.2	3188.5	927.3	784.3	781.7	780.0	772.3	760.3	763.7	770.6	771.4
62.5°	2810.9	2119.1	750.0	727.8	736.3	735.5	725.2	711.5	712.4	721.8	721.8
65°	1459.0	1146.5	658.4	676.4	689.2	684.1	667.0	655.0	653.3	665.3	662.7
67.5°	629.3	625.9	599.3	622.5	636.2	625.0	607.0	587.4	589.1	593.3	589.9
70°	506.9	522.3	533.4	558.2	569.4	548.8	529.1	518.0	508.6	507.7	501.7
72.5°	405.0	426.4	451.2	476.9	480.3	459.8	435.0	424.7	410.1	409.3	403.3
75°	304.8	322.8	342.5	363.0	363.0	343.3	327.1	321.9	304.8	299.7	294.5
77.5°	208.1	219.2	234.6	239.7	244.9	237.2	220.9	212.3	192.6	187.5	180.7
80°	131.0	138.7	148.1	151.5	156.7	147.3	134.4	125.0	111.3	107.0	103.6
82.5°	78.8	83.9	89.9	91.6	95.9	89.0	77.1	70.2	62.5	59.1	56.5
85°	40.2	42.8	46.2	47.1	46.2	39.4	35.1	31.7	26.5	25.7	24.0
87.5°	10.3	12.0	12.8	12.0	11.1	8.6	6.0	4.3	1.7	1.7	0.9
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)