

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: P635170

Luminaire Tested: GWS-SA3D-730-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635170
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-730-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR 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: 13648.9 lumens
Efficiency: N/A
Efficacy: 113.0 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

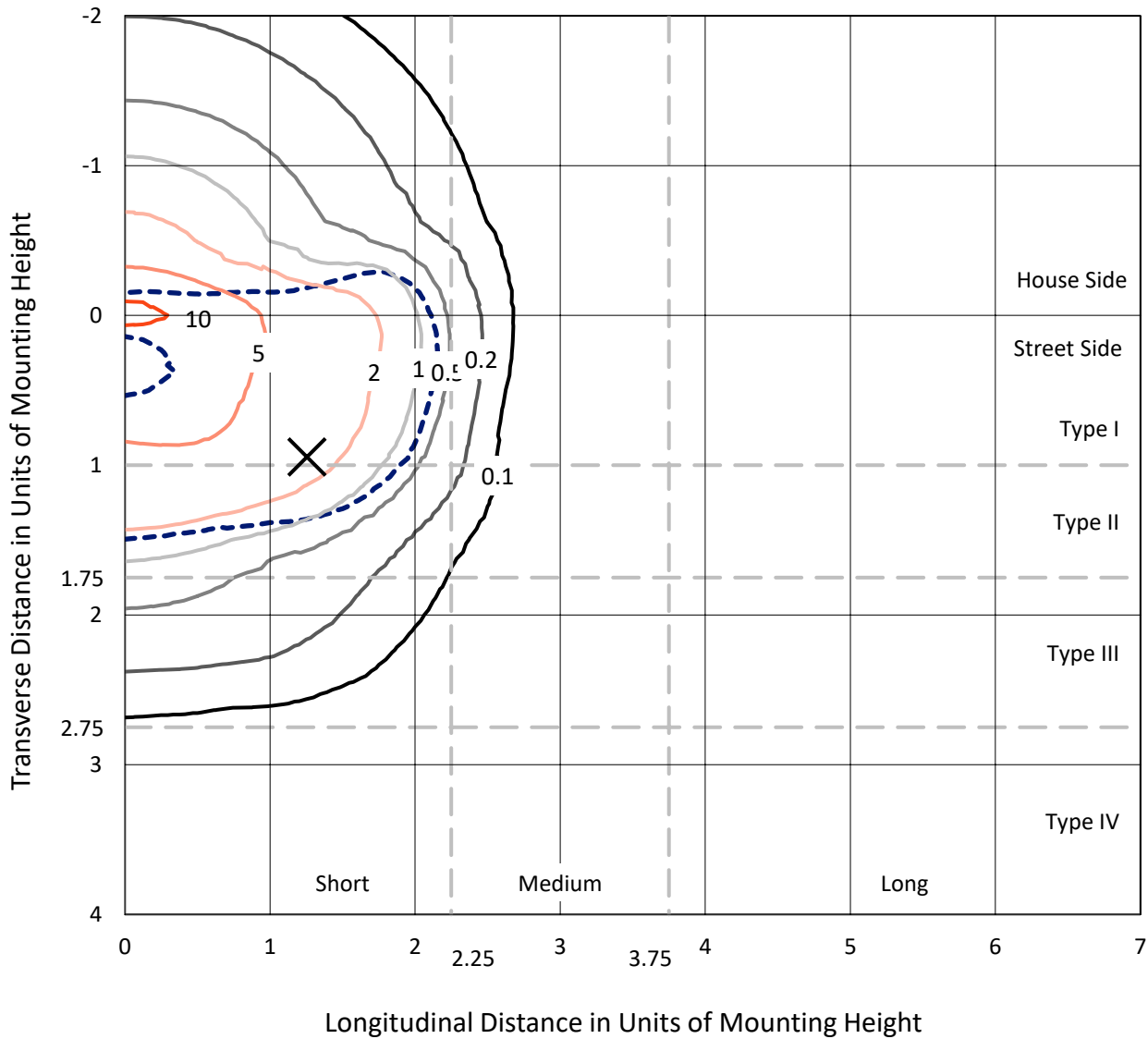
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

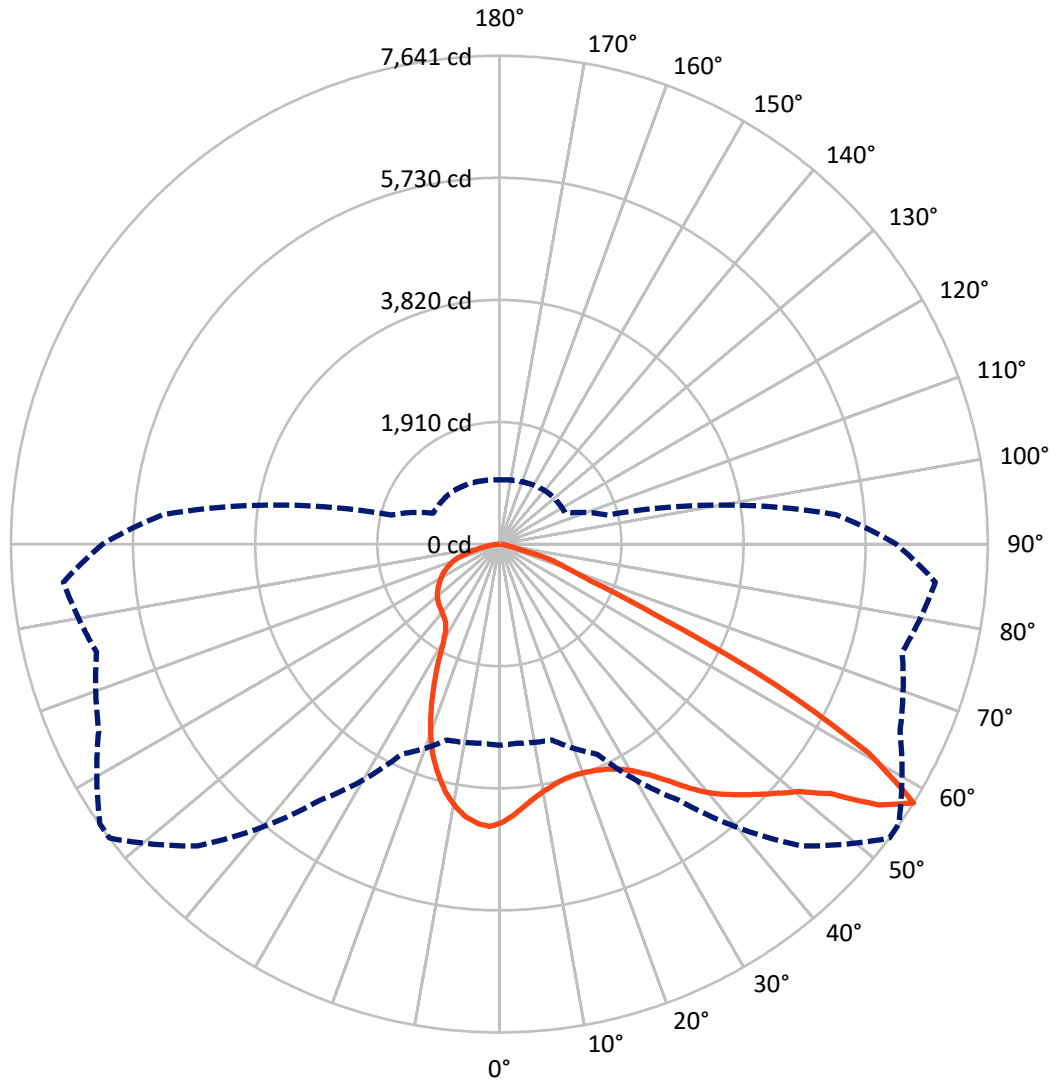
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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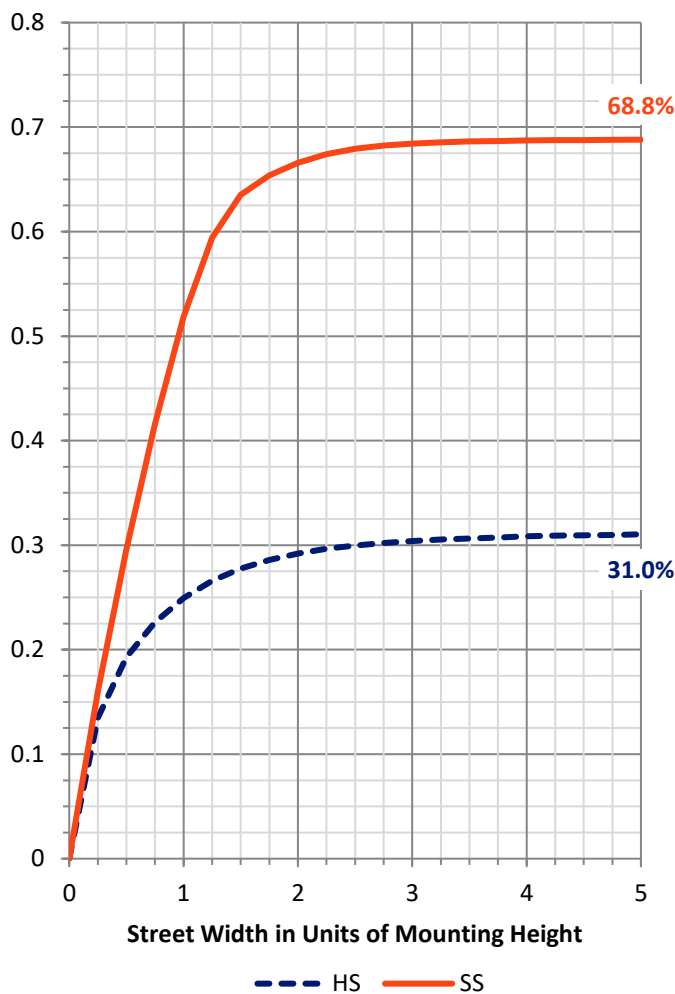
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4267.5	0.0	4267.5
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	9381.4	0.0	9381.4
	% Fixture	68.7	0.0	68.7
Total	Lumens	13648.9	0.0	13648.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.1	2.9
10°-20°	1034.0	7.6
20°-30°	1523.5	11.2
30°-40°	2132.5	15.6
40°-50°	2803.3	20.5
50°-60°	3286.9	24.1
60°-70°	1936.3	14.2
70°-80°	481.7	3.5
80°-90°	56.5	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°	13648.9	100.0
0°-180°	13648.9	100.0

Coefficient of Utilization



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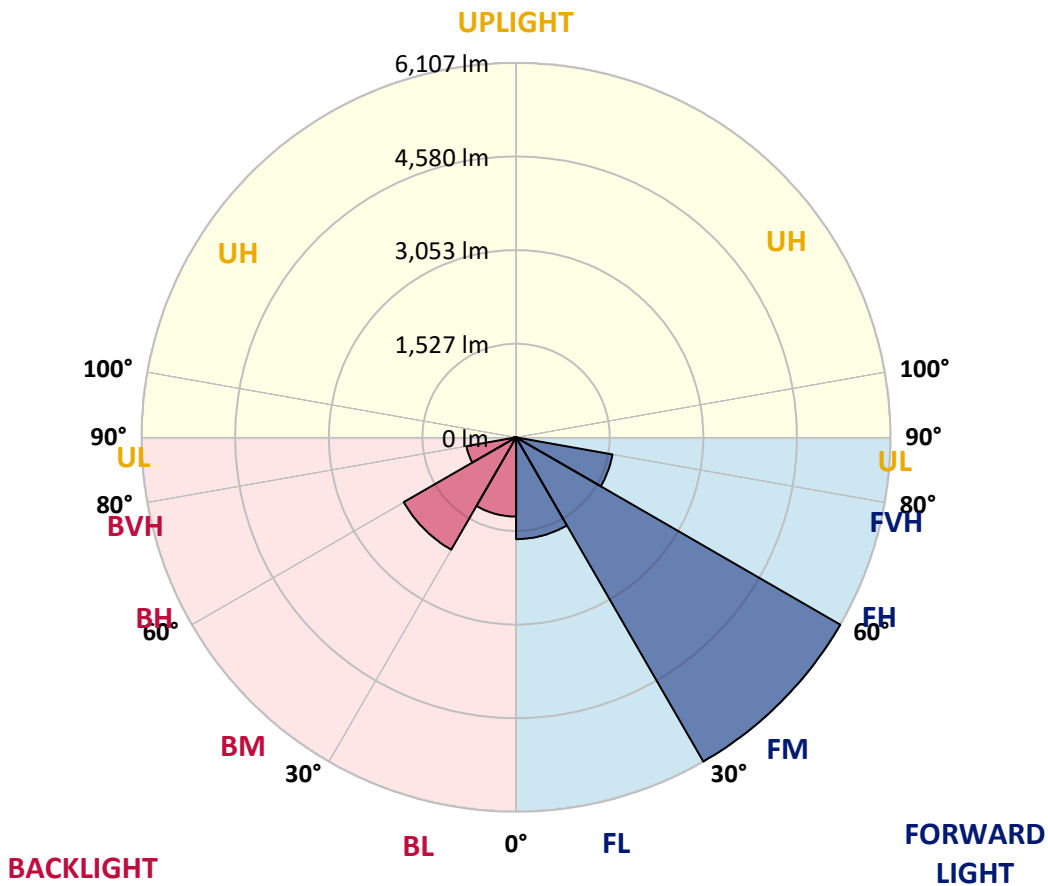
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1659.4	12.2			
FM (30°-60°)	6106.6	44.7			
FH (60°-80°)	1596.4	11.7			G1/1800
FVH (80°-90°)	18.9	0.1			G1/100
BL (0°-30°)	1292.2	9.5	B3/2500		
BM (30°-60°)	2116.0	15.5	B2/2500		
BH (60°-80°)	821.6	6.0	B2/1000		G2/1000
BVH (80°-90°)	37.6	0.3			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°	53°	55°	65°	75°	85°
0°	4358.5	4358.5	4358.5	4358.5	4358.5	4358.5	4358.5	4358.5	4358.5	4358.5	4358.5
2.5°	4108.0	4119.5	4121.8	4157.4	4159.7	4211.4	4245.9	4239.0	4274.6	4318.3	4352.7
5°	3911.6	3912.7	3924.2	3966.7	3989.7	4057.5	4114.9	4114.9	4183.8	4273.5	4350.4
7.5°	3749.6	3748.5	3758.8	3805.9	3843.8	3925.4	4003.5	4012.7	4109.2	4240.1	4365.4
10°	3599.1	3607.2	3618.6	3676.1	3724.3	3825.4	3918.5	3933.4	4055.2	4217.2	4386.0
12.5°	3502.6	3503.8	3521.0	3585.3	3647.4	3755.4	3853.0	3871.4	4011.5	4195.3	4401.0
15°	3440.6	3441.7	3460.1	3531.3	3603.7	3712.8	3812.8	3833.5	3986.3	4191.9	4429.7
17.5°	3413.0	3411.9	3429.1	3500.3	3579.6	3693.3	3800.2	3825.4	3997.7	4218.3	4480.2
20°	3413.0	3414.2	3423.4	3487.7	3568.1	3688.7	3812.8	3843.8	4042.5	4278.0	4558.3
22.5°	3461.3	3465.9	3470.5	3514.1	3577.3	3695.6	3846.1	3887.5	4139.0	4378.0	4660.6
25°	3555.5	3556.6	3561.2	3596.8	3625.5	3715.1	3901.2	3963.3	4289.5	4523.9	4789.3
27.5°	3681.8	3697.9	3702.5	3725.5	3725.5	3763.4	3987.4	4077.0	4492.9	4734.1	4953.5
30°	3858.7	3864.5	3872.5	3897.8	3870.2	3854.1	4113.8	4228.7	4728.4	4988.0	5151.1
32.5°	4013.8	4026.5	4070.1	4111.5	4062.1	4011.5	4299.9	4435.4	4954.7	5252.2	5361.3
35°	4145.9	4177.0	4260.8	4352.7	4318.3	4267.7	4546.9	4688.2	5140.8	5441.8	5547.4
37.5°	4305.6	4329.7	4444.6	4594.0	4625.0	4600.9	4847.8	4948.9	5264.8	5490.0	5648.5
40°	4467.6	4504.4	4652.5	4859.3	4977.7	4994.9	5125.8	5193.6	5307.4	5395.8	5629.0
42.5°	4633.0	4696.2	4899.5	5140.8	5351.0	5390.1	5360.2	5388.9	5293.6	5266.0	5538.3
45°	4835.2	4909.9	5139.6	5447.5	5724.4	5785.2	5590.0	5563.5	5291.3	5216.6	5482.0
47.5°	5074.2	5148.8	5368.2	5726.7	6080.5	6125.3	5825.5	5777.2	5371.7	5292.4	5557.8
50°	5285.5	5337.2	5533.7	5934.6	6412.5	6438.9	6085.1	6026.5	5571.6	5502.6	5794.4
52.5°	5070.7	5065.0	5271.7	5765.7	6584.8	6903.0	6484.9	6428.6	5957.6	5851.9	6160.9
55°	4302.2	4236.7	4421.6	4907.6	6103.5	7315.4	7201.7	7089.1	6472.2	6203.4	6504.4
57.5°	3145.4	3127.0	3171.8	3627.8	4889.2	6676.7	7640.5	7630.2	6916.8	6525.1	6846.7
60°	2459.5	2432.0	2312.5	2325.1	3332.6	5215.5	6630.7	6935.2	7192.5	6718.1	7085.7
62.5°	2183.8	2163.1	2101.1	1929.9	1985.1	3496.9	4860.5	5139.6	6285.0	5933.4	6086.2
65°	1808.2	1802.4	1854.1	1847.2	1663.4	1931.1	2743.3	3024.7	3951.8	4001.2	3951.8
67.5°	1314.2	1303.9	1434.8	1693.3	1601.4	1457.8	1529.0	1626.7	2026.4	1819.7	1638.2
70°	854.7	839.8	915.6	1223.4	1433.7	1270.5	1101.7	1085.6	1114.3	692.7	749.0
72.5°	573.2	556.0	554.9	673.2	866.2	855.8	853.5	845.5	754.7	546.8	606.6
75°	319.4	305.6	302.1	290.6	310.2	315.9	336.6	348.1	376.8	414.7	459.5
77.5°	54.0	52.8	66.6	85.0	117.2	150.5	186.1	196.4	242.4	287.2	315.9
80°	29.9	31.0	40.2	49.4	65.5	89.6	114.9	121.8	149.3	173.5	196.4
82.5°	16.1	16.1	20.7	26.4	35.6	47.1	62.0	67.8	86.2	101.1	117.2
85°	5.7	5.7	8.0	10.3	14.9	19.5	24.1	27.6	37.9	51.7	58.6
87.5°	0.0	0.0	0.0	0.0	1.1	2.3	4.6	4.6	5.7	10.3	14.9
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°	4358.5	4358.5	4358.5	4358.5	4358.5	4358.5	4358.5	4358.5	4358.5	4358.5	4358.5
2.5°	4381.4	4350.4	4392.9	4412.5	4419.3	4423.9	4394.1	4373.4	4366.5	4344.7	4332.0
5°	4397.5	4376.8	4417.1	4417.1	4388.3	4358.5	4297.6	4255.1	4225.2	4189.6	4183.8
7.5°	4425.1	4410.2	4432.0	4387.2	4314.8	4234.4	4128.7	4046.0	3979.4	3935.7	3936.9
10°	4461.9	4443.5	4426.2	4326.3	4194.2	4046.0	3884.0	3763.4	3653.1	3602.6	3575.0
12.5°	4486.0	4459.6	4387.2	4221.8	4027.6	3828.9	3600.3	3421.1	3261.4	3189.0	3183.3
15°	4515.8	4467.6	4322.9	4086.2	3816.2	3545.1	3251.0	3001.8	2785.8	2673.2	2667.5
17.5°	4554.9	4475.6	4245.9	3931.1	3593.4	3193.6	2823.7	2510.1	2280.3	2193.0	2208.0
20°	4610.0	4484.8	4158.6	3758.8	3316.5	2793.8	2333.2	2044.8	1956.4	1950.6	1939.1
22.5°	4672.1	4490.6	4062.1	3565.8	2981.1	2367.6	1927.6	1804.7	1803.6	1832.3	1839.2
25°	4742.2	4495.2	3952.9	3340.6	2618.1	1942.6	1704.8	1668.0	1696.7	1750.7	1757.6
27.5°	4831.8	4504.4	3820.8	3093.7	2232.1	1678.4	1581.9	1572.7	1607.1	1657.7	1655.4
30°	4963.9	4537.7	3680.7	2809.9	1835.7	1553.1	1507.2	1508.3	1522.1	1546.3	1549.7
32.5°	5098.3	4589.4	3544.0	2490.6	1608.3	1481.9	1461.2	1458.9	1458.9	1469.3	1471.6
35°	5225.8	4648.0	3395.8	2157.4	1498.0	1440.6	1426.8	1419.9	1416.4	1414.1	1410.7
37.5°	5297.0	4676.7	3251.0	1828.9	1439.4	1413.0	1399.2	1390.0	1377.4	1368.2	1365.9
40°	5266.0	4643.4	3083.3	1583.0	1403.8	1386.6	1370.5	1357.9	1340.6	1332.6	1328.0
42.5°	5162.6	4540.0	2900.7	1467.0	1375.1	1357.9	1338.3	1317.6	1306.2	1299.3	1298.1
45°	5053.5	4414.8	2680.1	1399.2	1347.5	1326.8	1303.9	1280.9	1268.3	1264.8	1263.7
47.5°	5050.0	4352.7	2445.7	1345.2	1314.2	1293.5	1264.8	1241.8	1228.0	1223.4	1218.9
50°	5201.7	4415.9	2181.5	1298.1	1279.7	1257.9	1225.7	1200.5	1183.2	1177.5	1176.3
52.5°	5516.4	4653.7	1944.9	1251.0	1233.8	1208.5	1182.1	1156.8	1136.1	1125.8	1124.7
55°	5856.5	4955.8	1797.8	1202.8	1179.8	1158.0	1133.8	1106.3	1083.3	1067.2	1064.9
57.5°	6208.0	5285.5	1753.0	1141.9	1124.7	1109.7	1081.0	1051.1	1024.7	1009.8	1006.3
60°	6497.5	5569.3	1836.9	1077.6	1068.4	1048.8	1022.4	993.7	975.3	963.8	961.5
62.5°	5439.5	4534.2	1483.1	1007.5	1007.5	986.8	956.9	936.3	923.6	915.6	913.3
65°	3452.1	2807.6	1012.1	937.4	936.3	908.7	883.4	869.6	863.9	851.2	848.9
67.5°	1503.7	1283.2	865.0	866.2	861.6	831.7	806.4	796.1	784.6	770.8	769.7
70°	780.0	795.0	774.3	786.9	778.9	743.3	719.1	703.1	678.9	665.1	666.3
72.5°	629.5	645.6	668.6	688.1	670.9	642.2	604.3	584.7	553.7	538.8	539.9
75°	480.2	497.4	519.2	539.9	526.1	490.5	466.4	446.9	411.3	394.0	397.5
77.5°	330.8	340.0	366.5	365.3	360.7	350.4	314.8	291.8	255.0	234.4	236.6
80°	205.6	211.4	224.0	229.8	227.5	213.7	185.0	167.7	145.9	133.3	134.4
82.5°	124.1	127.5	139.0	140.2	139.0	128.7	106.8	94.2	80.4	73.5	73.5
85°	63.2	65.5	72.4	72.4	65.5	55.1	49.4	43.7	35.6	32.2	32.2
87.5°	17.2	17.2	21.8	18.4	14.9	13.8	6.9	5.7	2.3	1.1	1.1
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)