

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: P635174

Luminaire Tested: GWS-SA3D-730-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635174
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-SA3D-730-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III 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: 13420.3 lumens
Efficiency: N/A
Efficacy: 111.1 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

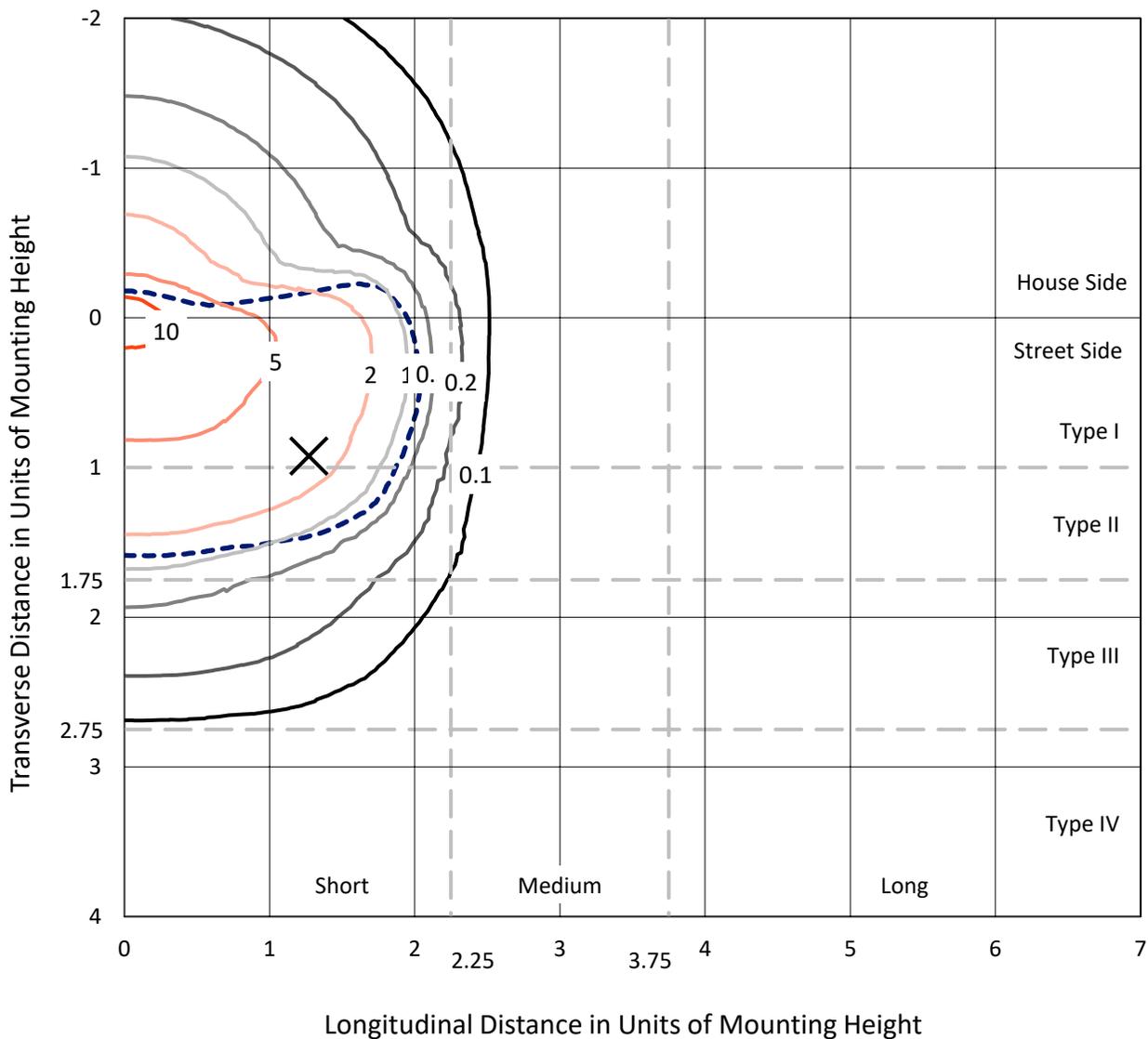
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

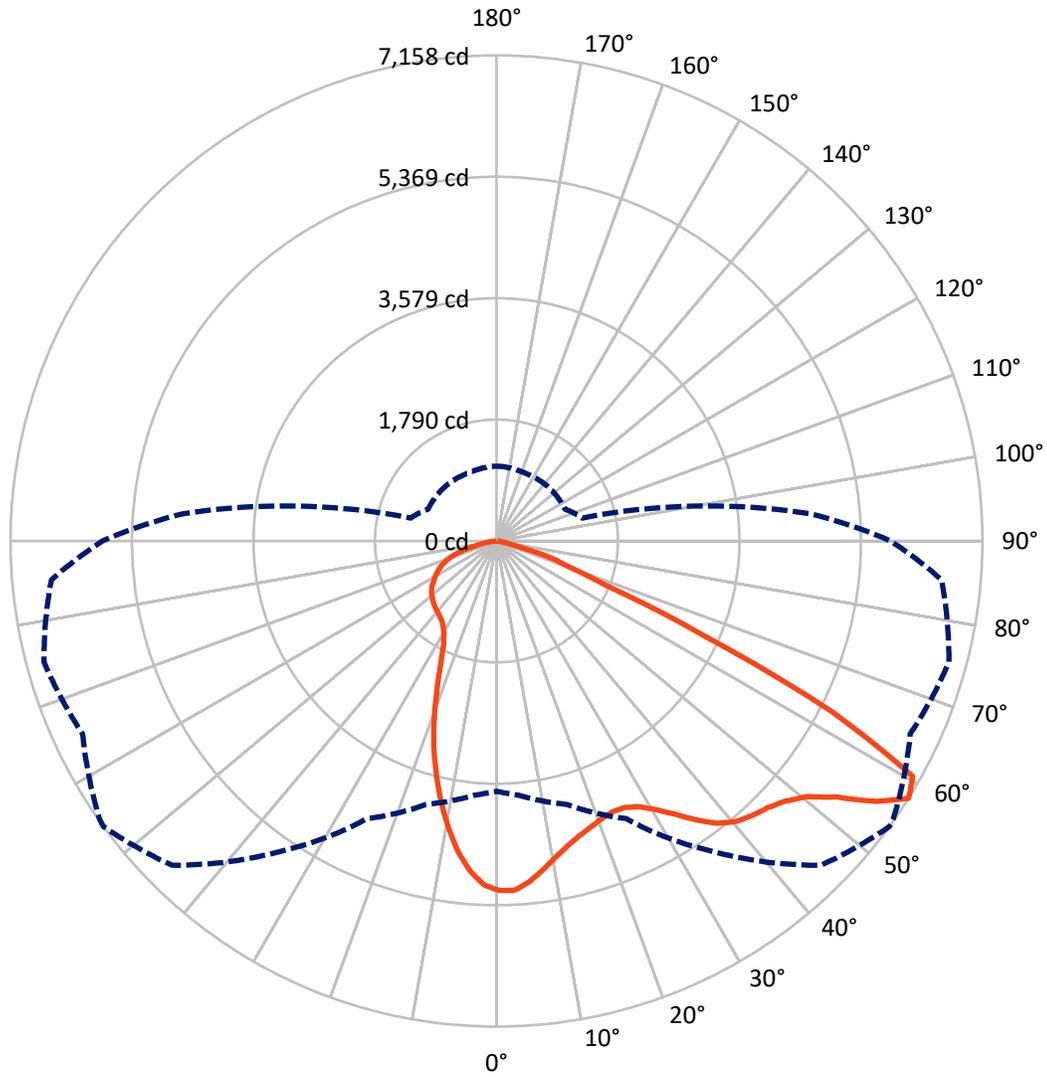
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 12.9 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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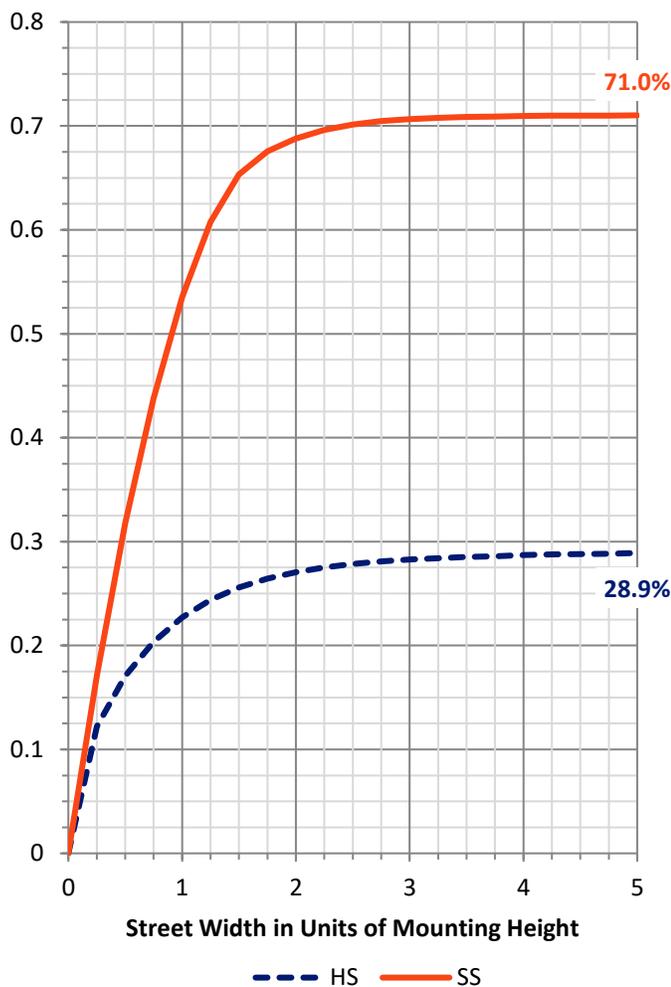
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3901.4	0.0	3901.4
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	9518.9	0.0	9518.9
	% Fixture	70.9	0.0	70.9
Total	Lumens	13420.3	0.0	13420.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.9	3.4
10°-20°	1080.6	8.1
20°-30°	1495.4	11.1
30°-40°	2077.9	15.5
40°-50°	2744.3	20.4
50°-60°	3261.2	24.3
60°-70°	1806.8	13.5
70°-80°	449.9	3.4
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°	13420.3	100.0
0°-180°	13420.3	100.0

Coefficient of Utilization



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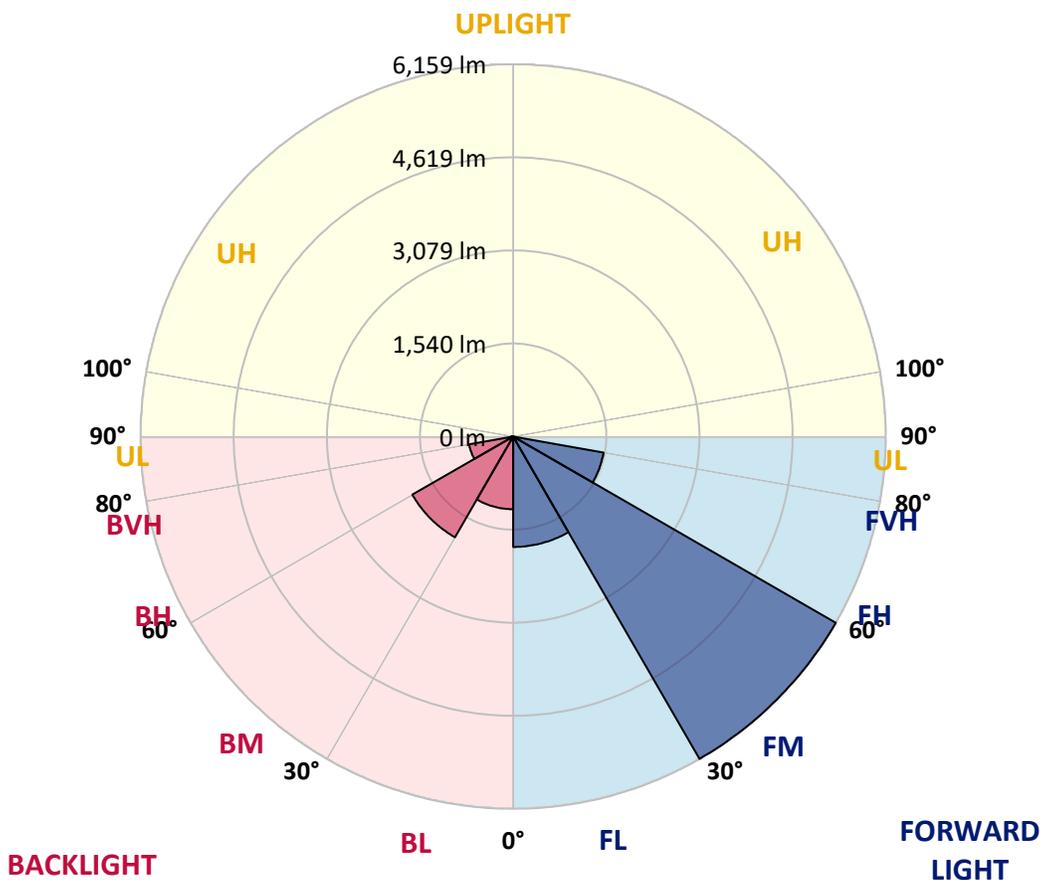
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1826.7	13.6			
FM (30°-60°)	6158.8	45.9			
FH (60°-80°)	1517.3	11.3			G1/1800
FVH (80°-90°)	16.0	0.1			G1/100
BL (0°-30°)	1202.3	9.0	B3/2500		
BM (30°-60°)	1924.7	14.3	B2/2500		
BH (60°-80°)	739.3	5.5	B2/1000		G2/1000
BVH (80°-90°)	35.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	5152.4	5152.4	5152.4	5152.4	5152.4	5152.4	5152.4	5152.4	5152.4	5152.4	5152.4
2.5°	5055.9	5066.2	5073.1	5097.2	5117.9	5136.3	5155.8	5155.8	5154.7	5151.2	5144.3
5°	4856.0	4867.5	4883.5	4916.9	4961.7	4993.8	5046.7	5051.3	5074.2	5083.4	5078.8
7.5°	4623.9	4627.4	4648.0	4691.7	4762.9	4820.4	4896.2	4905.4	4960.5	4992.7	4986.9
10°	4370.0	4358.5	4395.3	4459.6	4552.7	4649.2	4746.8	4754.9	4843.3	4904.2	4899.6
12.5°	4138.0	4139.1	4175.9	4254.0	4370.0	4489.5	4620.5	4638.8	4748.0	4826.1	4818.1
15°	3943.8	3948.4	3993.2	4081.7	4213.8	4356.2	4519.4	4536.6	4674.5	4777.8	4754.9
17.5°	3788.7	3793.3	3832.4	3933.5	4074.8	4247.1	4445.8	4463.1	4634.3	4757.2	4710.1
20°	3681.9	3679.6	3717.5	3814.0	3959.9	4147.2	4381.5	4406.8	4621.6	4765.2	4680.2
22.5°	3638.2	3637.1	3664.7	3743.9	3880.6	4070.2	4342.5	4376.9	4635.4	4800.8	4661.8
25°	3660.1	3655.5	3679.6	3738.2	3847.3	4040.3	4353.9	4390.7	4694.0	4874.3	4665.3
27.5°	3727.8	3722.1	3742.8	3795.6	3878.3	4071.3	4434.4	4476.9	4818.1	5008.8	4711.2
30°	3831.2	3827.8	3848.5	3899.0	3971.4	4174.7	4588.3	4636.5	5009.9	5217.8	4811.2
32.5°	3951.9	3946.1	3982.9	4041.5	4125.3	4363.1	4795.1	4858.3	5237.4	5486.7	4978.9
35°	4087.4	4082.8	4133.4	4218.4	4339.0	4625.1	5045.5	5114.4	5469.4	5791.1	5201.8
37.5°	4219.5	4219.5	4317.2	4443.5	4595.2	4910.0	5281.0	5324.7	5630.3	6061.1	5440.7
40°	4336.7	4343.6	4490.7	4680.2	4873.2	5167.3	5436.1	5472.9	5701.5	6247.2	5648.6
42.5°	4466.5	4472.3	4643.4	4891.6	5121.3	5375.2	5530.3	5548.7	5715.3	6340.2	5795.7
45°	4569.9	4578.0	4790.5	5055.9	5337.3	5531.5	5605.0	5621.1	5734.8	6390.8	5902.5
47.5°	4623.9	4635.4	4878.9	5188.0	5483.2	5671.6	5727.9	5734.8	5815.2	6479.2	6031.2
50°	4614.7	4637.7	4912.3	5253.5	5591.2	5812.9	5925.5	5937.0	5979.5	6609.0	6181.7
52.5°	4696.3	4706.6	4983.5	5331.6	5745.1	6073.7	6269.0	6285.1	6265.5	6706.7	6271.3
55°	4560.7	4610.1	4895.0	5320.1	5979.5	6476.9	6777.9	6769.9	6525.2	6815.8	6420.6
57.5°	3688.8	3761.2	4021.9	4515.9	5593.5	6759.5	7158.2	7138.6	6726.2	6899.7	6582.6
60°	2553.8	2565.3	2800.8	3151.2	4317.2	5971.5	7046.7	7089.2	6763.0	6794.0	6282.8
62.5°	2042.6	2039.1	2060.9	2070.1	2745.6	4197.7	5562.5	5717.6	5618.8	5293.7	4452.7
65°	1743.9	1756.5	1820.8	1787.5	1792.1	2364.2	3323.5	3345.3	3276.4	3159.2	2355.0
67.5°	1364.8	1386.6	1500.3	1630.1	1588.8	1522.2	1724.3	1714.0	1351.0	1045.4	863.9
70°	854.7	868.5	990.3	1279.8	1383.2	1249.9	1108.6	1104.0	723.7	595.1	652.5
72.5°	498.6	500.9	535.3	713.4	917.9	854.7	815.6	785.8	465.3	474.5	520.4
75°	274.6	274.6	273.4	307.9	361.9	320.5	310.2	302.1	311.3	352.7	387.1
77.5°	57.4	58.6	62.0	81.6	105.7	128.7	162.0	163.1	203.3	235.5	263.1
80°	26.4	27.6	34.5	43.7	56.3	74.7	98.8	99.9	122.9	148.2	166.6
82.5°	13.8	14.9	18.4	23.0	29.9	39.1	55.1	55.1	73.5	87.3	98.8
85°	4.6	4.6	6.9	9.2	12.6	16.1	21.8	21.8	32.2	42.5	49.4
87.5°	0.0	0.0	0.0	0.0	1.1	2.3	4.6	4.6	5.7	6.9	11.5
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°	5152.4	5152.4	5152.4	5152.4	5152.4	5152.4	5152.4	5152.4	5152.4	5152.4	5152.4
2.5°	5129.4	5093.8	5094.9	5101.8	5080.0	5046.7	5024.8	4997.3	4980.0	4976.6	4989.2
5°	5055.9	5014.5	4985.8	4955.9	4893.9	4820.4	4762.9	4715.8	4684.8	4673.3	4659.5
7.5°	4954.8	4900.8	4828.4	4744.5	4632.0	4501.0	4409.1	4322.9	4263.2	4246.0	4237.9
10°	4853.7	4775.6	4646.9	4490.7	4303.4	4126.5	3959.9	3832.4	3731.3	3673.9	3692.2
12.5°	4749.1	4652.6	4451.6	4211.5	3950.7	3684.2	3465.9	3254.5	3091.4	3009.9	2985.7
15°	4657.2	4526.3	4246.0	3920.8	3573.9	3238.5	2922.5	2605.5	2398.7	2286.1	2255.1
17.5°	4579.1	4409.1	4028.8	3624.5	3209.7	2731.8	2343.5	2049.5	1908.2	1846.1	1841.5
20°	4502.1	4294.2	3814.0	3305.1	2789.3	2253.9	1907.0	1769.1	1718.6	1696.8	1695.6
22.5°	4433.2	4173.6	3587.7	2985.7	2371.1	1894.4	1703.7	1643.9	1630.1	1630.1	1627.8
25°	4374.6	4053.0	3355.6	2646.8	1993.2	1686.4	1598.0	1572.7	1578.4	1588.8	1589.9
27.5°	4350.5	3958.8	3131.6	2298.7	1732.4	1565.8	1525.6	1522.2	1538.2	1554.3	1556.6
30°	4375.8	3894.4	2901.9	1965.6	1576.2	1492.3	1473.9	1480.8	1500.3	1516.4	1516.4
32.5°	4453.9	3862.3	2667.5	1722.0	1485.4	1440.6	1434.8	1441.7	1456.7	1465.9	1467.0
35°	4586.0	3874.9	2425.1	1557.8	1426.8	1402.7	1401.5	1406.1	1411.9	1417.6	1418.8
37.5°	4752.6	3931.2	2165.5	1462.4	1388.9	1375.1	1372.8	1371.7	1372.8	1372.8	1374.0
40°	4915.7	4016.2	1933.4	1406.1	1362.5	1351.0	1345.2	1337.2	1336.1	1333.8	1332.6
42.5°	5036.3	4081.7	1748.5	1365.9	1338.3	1324.6	1317.7	1305.0	1303.9	1302.7	1301.6
45°	5127.1	4136.8	1594.5	1326.9	1313.1	1300.4	1285.5	1274.0	1276.3	1278.6	1278.6
47.5°	5229.3	4185.1	1481.9	1290.1	1282.1	1269.4	1251.0	1243.0	1251.0	1259.1	1259.1
50°	5353.4	4252.8	1390.0	1253.3	1249.9	1235.0	1218.9	1215.4	1224.6	1236.1	1236.1
52.5°	5444.2	4311.4	1324.6	1216.6	1216.6	1197.0	1183.3	1182.1	1192.5	1203.9	1205.1
55°	5614.2	4448.1	1301.6	1174.1	1169.5	1154.5	1144.2	1136.2	1148.8	1159.1	1159.1
57.5°	5806.0	4629.7	1307.3	1113.2	1107.4	1102.8	1094.8	1085.6	1089.1	1100.5	1101.7
60°	5399.3	4278.1	1244.1	1052.3	1048.9	1046.6	1036.2	1020.1	1024.7	1033.9	1035.1
62.5°	3771.5	2843.3	1006.3	976.5	988.0	986.8	973.0	954.7	955.8	968.4	968.4
65°	1957.6	1538.2	883.4	907.6	924.8	917.9	894.9	878.8	876.5	892.6	889.2
67.5°	844.4	839.8	804.2	835.2	853.6	838.6	814.5	788.1	790.4	796.1	791.5
70°	680.1	700.8	715.7	749.0	764.0	736.4	710.0	695.0	682.4	681.2	673.2
72.5°	543.4	572.1	605.4	639.9	644.5	616.9	583.6	569.8	550.3	549.1	541.1
75°	409.0	433.1	459.5	487.1	487.1	460.7	438.8	431.9	409.0	402.1	395.2
77.5°	279.2	294.1	314.8	321.7	328.6	318.2	296.4	284.9	258.5	251.6	242.4
80°	175.8	186.1	198.7	203.3	210.2	197.6	180.4	167.7	149.3	143.6	139.0
82.5°	105.7	112.6	120.6	122.9	128.7	119.5	103.4	94.2	83.9	79.3	75.8
85°	54.0	57.4	62.0	63.2	62.0	52.8	47.1	42.5	35.6	34.5	32.2
87.5°	13.8	16.1	17.2	16.1	14.9	11.5	8.0	5.7	2.3	2.3	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)