

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: P630118

Luminaire Tested: GWS-SA1D-722-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630118
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-722-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4289.6 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

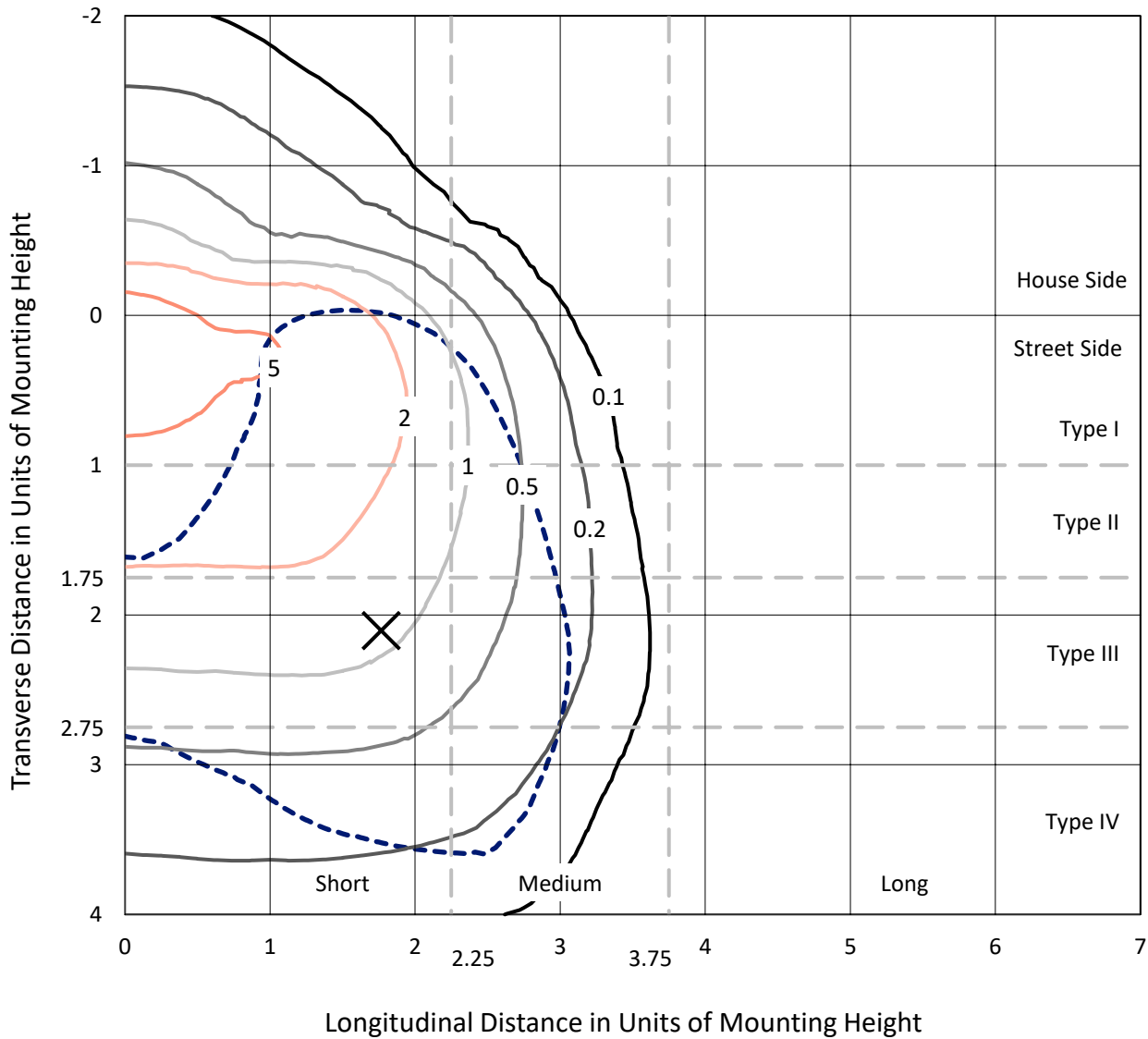
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

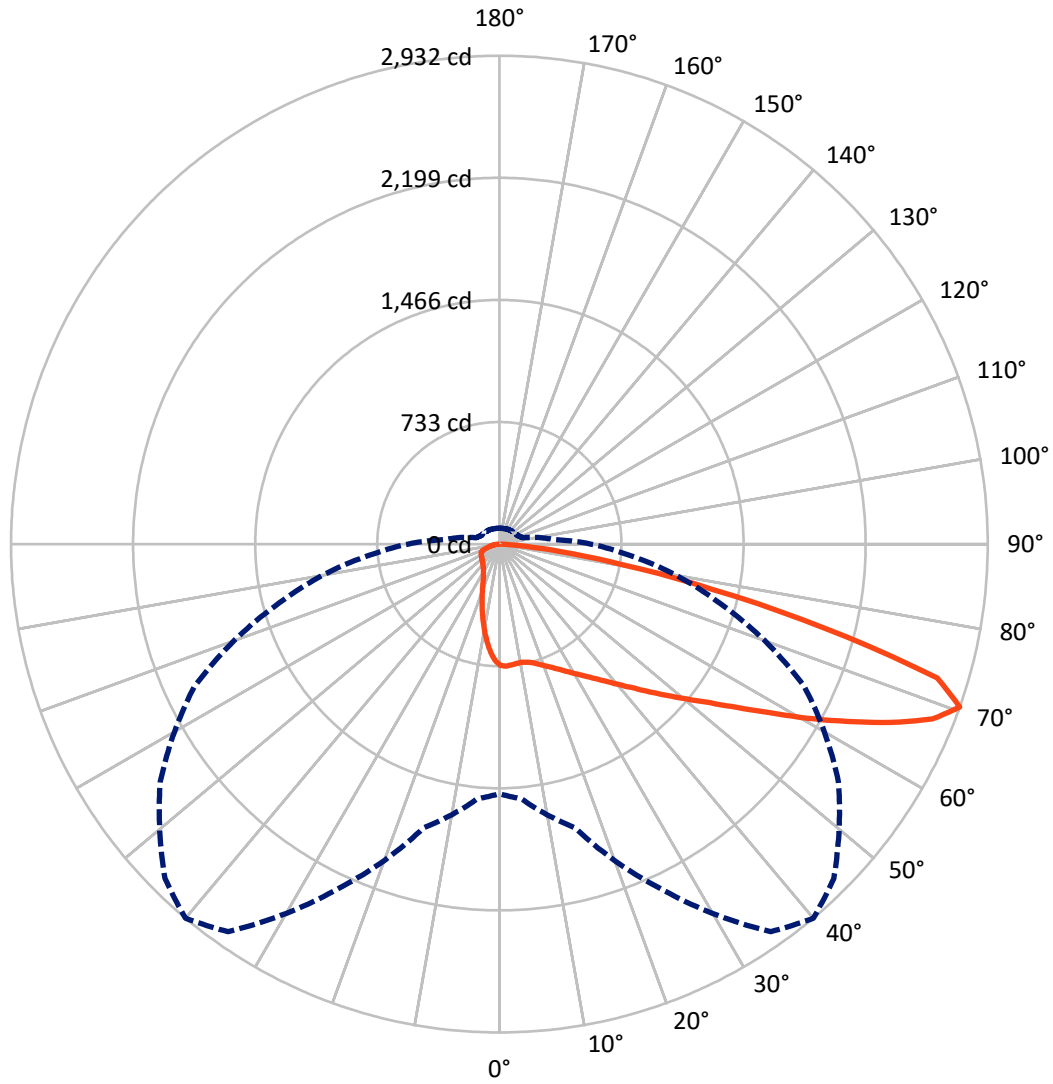
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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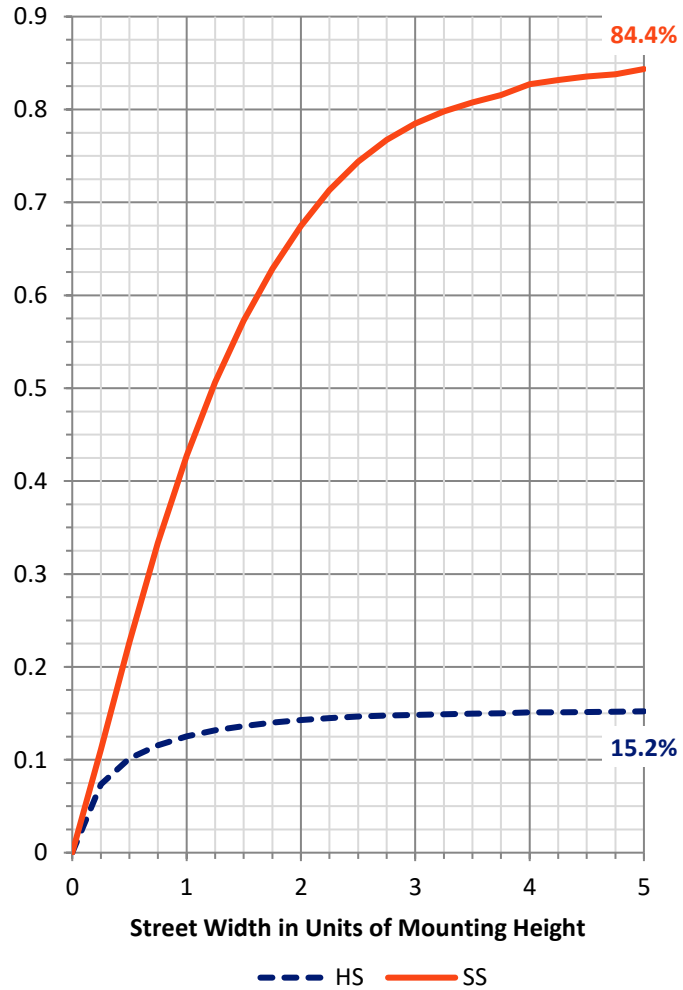
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	660.7	0.0	660.7
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	3628.9	0.0	3628.9
	% Fixture	84.6	0.0	84.6
Total	Lumens	4289.6	0.0	4289.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.3	1.5
10°-20°	167.7	3.9
20°-30°	263.4	6.1
30°-40°	396.0	9.2
40°-50°	611.2	14.2
50°-60°	907.7	21.2
60°-70°	1144.2	26.7
70°-80°	661.6	15.4
80°-90°	73.4	1.7
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°	4289.6	100.0
0°-180°	4289.6	100.0

Coefficient of Utilization



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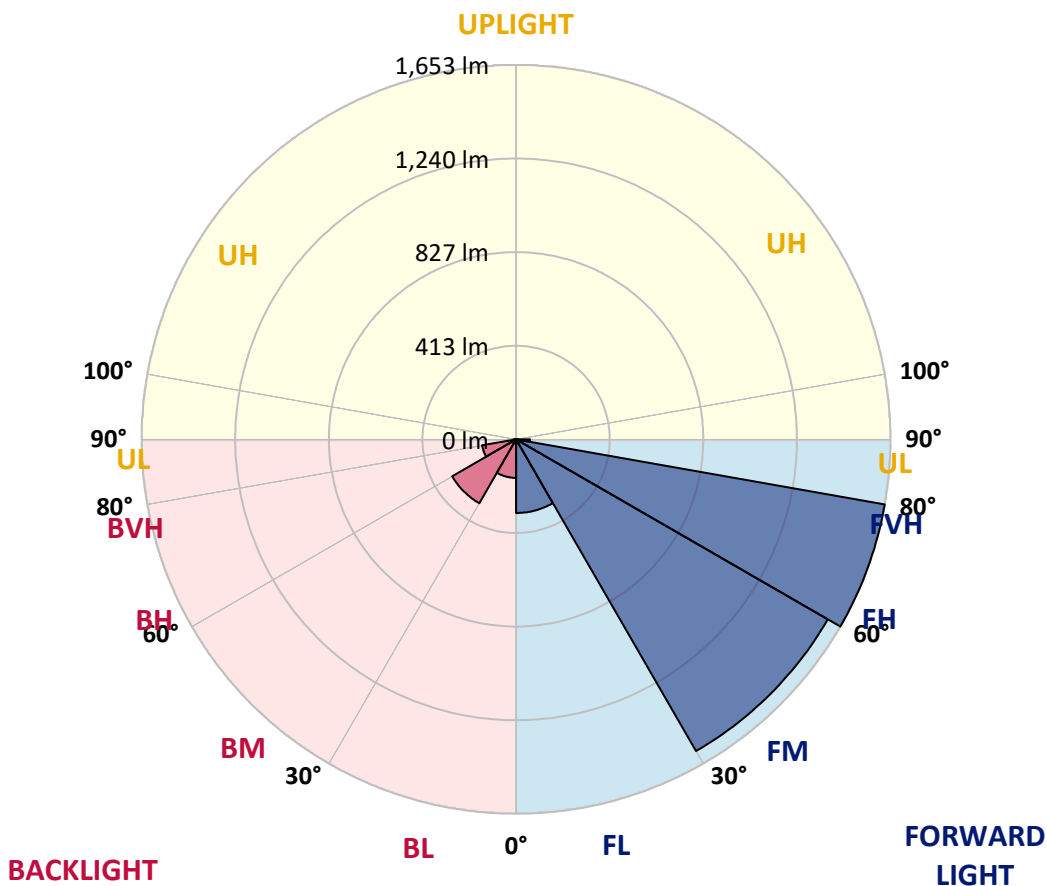
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	325.2	7.6			
FM (30°-60°)	1589.2	37.0			
FH (60°-80°)	1653.3	38.5			G1/1800
FVH (80°-90°)	61.2	1.4			G1/100
BL (0°-30°)	170.3	4.0	B1/500		
BM (30°-60°)	325.7	7.6	B1/1000		
BH (60°-80°)	152.5	3.6	B1/500		G1/500
BVH (80°-90°)	12.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	728.4	728.4	728.4	728.4	728.4	728.4	728.4	728.4	728.4	728.4	728.4
2.5°	732.9	734.2	735.1	736.4	735.8	733.9	735.5	735.5	731.9	728.1	724.6
5°	733.9	735.5	735.1	734.8	732.3	729.1	729.1	727.1	721.1	715.0	709.2
7.5°	731.9	731.6	731.3	730.3	727.5	723.9	723.3	719.5	711.5	703.1	694.8
10°	723.3	723.0	723.9	726.2	725.5	722.3	722.3	718.8	709.5	699.3	688.4
12.5°	716.3	716.3	720.1	726.2	728.4	727.1	727.5	724.9	714.3	702.2	689.4
15°	717.2	717.5	725.9	735.8	739.9	739.0	739.3	736.4	724.6	712.4	695.1
17.5°	723.6	725.2	739.6	753.4	758.8	757.6	755.3	750.5	737.1	723.3	702.2
20°	737.1	739.6	758.2	775.5	781.9	779.0	775.2	765.6	750.8	735.8	709.9
22.5°	763.6	765.2	785.7	802.7	807.8	804.3	796.6	782.9	765.9	750.2	719.1
25°	801.1	803.0	822.6	838.2	837.0	832.8	822.2	805.3	785.1	768.4	732.6
27.5°	845.6	848.8	868.0	880.5	872.2	866.1	854.3	833.8	811.0	796.0	753.1
30°	894.3	895.6	911.9	924.4	911.6	903.2	888.8	866.7	846.3	835.0	783.8
32.5°	941.3	942.6	956.7	963.8	950.3	944.2	931.7	908.4	894.0	887.9	829.6
35°	991.0	990.7	1002.2	1008.3	994.5	991.9	979.1	961.2	958.6	966.6	896.5
37.5°	1040.6	1037.7	1043.8	1051.8	1044.1	1046.7	1038.4	1032.3	1042.2	1063.0	985.5
40°	1080.3	1080.3	1086.7	1096.6	1099.2	1110.4	1105.6	1113.6	1145.6	1195.3	1095.7
42.5°	1115.5	1115.8	1129.3	1144.7	1163.2	1180.5	1184.4	1205.2	1271.5	1349.3	1234.0
45°	1152.3	1152.7	1170.9	1193.3	1232.7	1265.7	1273.4	1320.1	1414.9	1509.7	1384.2
47.5°	1194.9	1191.4	1216.7	1254.2	1310.2	1357.6	1377.4	1443.7	1563.5	1680.0	1525.7
50°	1243.0	1235.6	1263.8	1328.5	1397.6	1462.6	1495.9	1571.8	1722.9	1837.2	1658.9
52.5°	1297.1	1292.9	1322.4	1401.1	1506.8	1581.7	1626.9	1726.4	1877.9	1993.8	1764.5
55°	1364.3	1354.4	1397.0	1497.2	1634.9	1730.3	1783.8	1879.5	2047.3	2136.0	1845.2
57.5°	1438.0	1427.1	1484.1	1617.3	1801.4	1906.1	1973.0	2051.8	2206.7	2244.8	1892.6
60°	1517.4	1513.8	1581.4	1758.1	1999.9	2121.6	2169.9	2241.3	2345.4	2307.9	1880.8
62.5°	1590.0	1588.8	1687.1	1910.9	2210.2	2344.1	2382.5	2401.4	2445.3	2303.7	1786.6
65°	1666.6	1677.5	1810.3	2087.9	2451.3	2582.6	2598.6	2550.6	2478.9	2194.6	1593.9
67.5°	1676.2	1697.3	1887.8	2253.8	2680.0	2803.9	2791.1	2607.3	2379.6	1890.7	1249.4
70°	1499.1	1535.9	1764.2	2279.1	2841.0	2932.3	2839.7	2485.3	2019.4	1369.8	785.7
72.5°	1252.6	1284.3	1486.0	1943.5	2633.2	2749.4	2624.2	2103.6	1427.1	785.7	400.2
75°	975.0	1011.8	1197.8	1544.9	1971.4	2017.8	1955.1	1467.1	784.5	324.0	181.9
77.5°	594.9	621.5	766.2	1046.7	1379.4	1309.9	1110.1	822.6	344.2	155.3	112.4
80°	263.2	279.5	377.5	562.2	796.9	753.4	593.9	351.2	188.3	98.6	78.4
82.5°	141.2	151.8	186.0	222.5	350.0	366.0	296.8	202.4	101.2	56.4	44.8
85°	62.1	68.2	84.5	80.7	114.9	113.0	114.0	139.0	48.3	25.9	29.1
87.5°	0.0	0.0	0.0	0.0	0.3	0.3	3.5	18.6	4.8	7.7	6.7
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°	728.4	728.4	728.4	728.4	728.4	728.4	728.4	728.4	728.4	728.4	728.4
2.5°	720.7	715.0	713.4	711.5	707.9	701.8	697.4	692.2	690.0	687.4	687.8
5°	702.8	695.8	689.0	680.4	669.5	657.3	649.0	639.4	634.3	629.5	630.8
7.5°	687.4	676.6	662.8	644.5	625.0	603.2	585.6	571.9	562.6	556.2	559.4
10°	677.8	665.0	641.0	611.2	578.3	545.0	519.7	496.0	481.2	469.7	469.1
12.5°	675.9	659.3	624.4	581.1	533.4	488.9	451.8	419.8	400.2	385.8	391.3
15°	677.8	656.7	610.0	553.3	493.1	432.9	386.8	350.0	326.6	313.5	312.5
17.5°	680.1	654.1	593.6	523.2	450.8	382.0	328.5	289.4	265.4	252.3	252.6
20°	682.0	650.3	574.4	490.2	407.9	334.6	279.2	242.1	220.6	211.0	212.6
22.5°	685.2	646.5	553.9	455.0	364.1	288.8	240.1	210.0	197.2	190.8	191.2
25°	691.3	644.2	532.8	416.6	320.8	252.3	213.2	193.1	185.1	181.2	180.9
27.5°	703.8	646.1	510.7	379.4	281.8	224.5	196.0	182.8	177.4	174.8	174.5
30°	724.6	653.8	491.5	341.6	248.1	202.7	184.1	176.1	172.9	170.7	170.3
32.5°	756.3	668.2	470.7	306.4	220.9	186.7	174.8	170.7	168.4	167.1	167.1
35°	804.3	694.5	450.2	275.7	199.8	174.2	167.5	165.9	163.9	163.3	163.9
37.5°	873.5	736.4	431.6	248.8	184.7	164.6	159.5	160.1	158.5	159.5	160.4
40°	961.2	792.5	415.9	226.7	173.5	157.5	152.4	154.6	153.7	154.6	156.3
42.5°	1072.3	861.9	404.1	209.4	165.5	151.8	147.0	149.2	148.6	149.8	151.4
45°	1196.2	953.5	398.6	197.2	159.8	147.6	142.5	144.1	143.4	144.4	146.0
47.5°	1315.0	1036.8	403.4	190.2	155.0	144.1	138.6	139.3	139.0	138.6	139.6
50°	1417.5	1103.0	417.2	187.9	151.8	140.6	135.4	135.8	134.8	132.9	133.5
52.5°	1501.0	1156.2	425.5	187.9	150.2	136.7	131.9	132.2	130.3	127.8	128.1
55°	1556.1	1177.6	418.8	187.6	149.5	133.5	128.4	128.7	126.8	123.6	123.9
57.5°	1571.8	1156.8	390.6	184.1	148.9	131.0	124.9	125.5	124.2	120.7	120.7
60°	1527.9	1080.6	339.1	176.1	147.3	129.4	122.3	123.3	122.6	119.1	119.1
62.5°	1413.0	945.2	277.6	163.9	142.8	127.4	120.1	122.0	123.6	121.7	121.4
65°	1197.8	757.2	225.7	150.5	137.0	124.2	116.9	121.7	125.2	127.8	127.8
67.5°	898.8	542.1	184.1	136.4	128.4	117.8	112.7	117.2	119.7	121.4	122.3
70°	547.8	318.9	145.0	120.1	115.9	108.2	104.4	99.9	96.4	95.7	96.1
72.5°	268.0	182.5	117.8	102.1	98.9	91.9	83.2	81.3	79.7	78.8	78.4
75°	147.6	127.1	97.3	84.8	79.1	70.4	68.5	65.3	64.7	63.4	63.7
77.5°	104.4	100.2	80.4	68.8	60.2	55.7	56.7	54.4	54.4	53.5	53.2
80°	78.4	78.8	61.8	50.3	44.5	42.9	43.9	43.9	43.2	42.9	42.6
82.5°	49.6	56.0	41.6	32.3	31.7	32.0	31.7	31.4	32.0	31.1	30.7
85°	34.3	40.3	25.3	19.2	19.2	18.9	19.5	19.2	19.9	18.9	18.9
87.5°	7.7	17.9	9.3	5.8	6.1	5.8	6.1	6.4	7.0	7.4	7.4
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)