

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: P630326

Luminaire Tested: GWS-SA1D-740-U-RW-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630326  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-740-U-RW-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

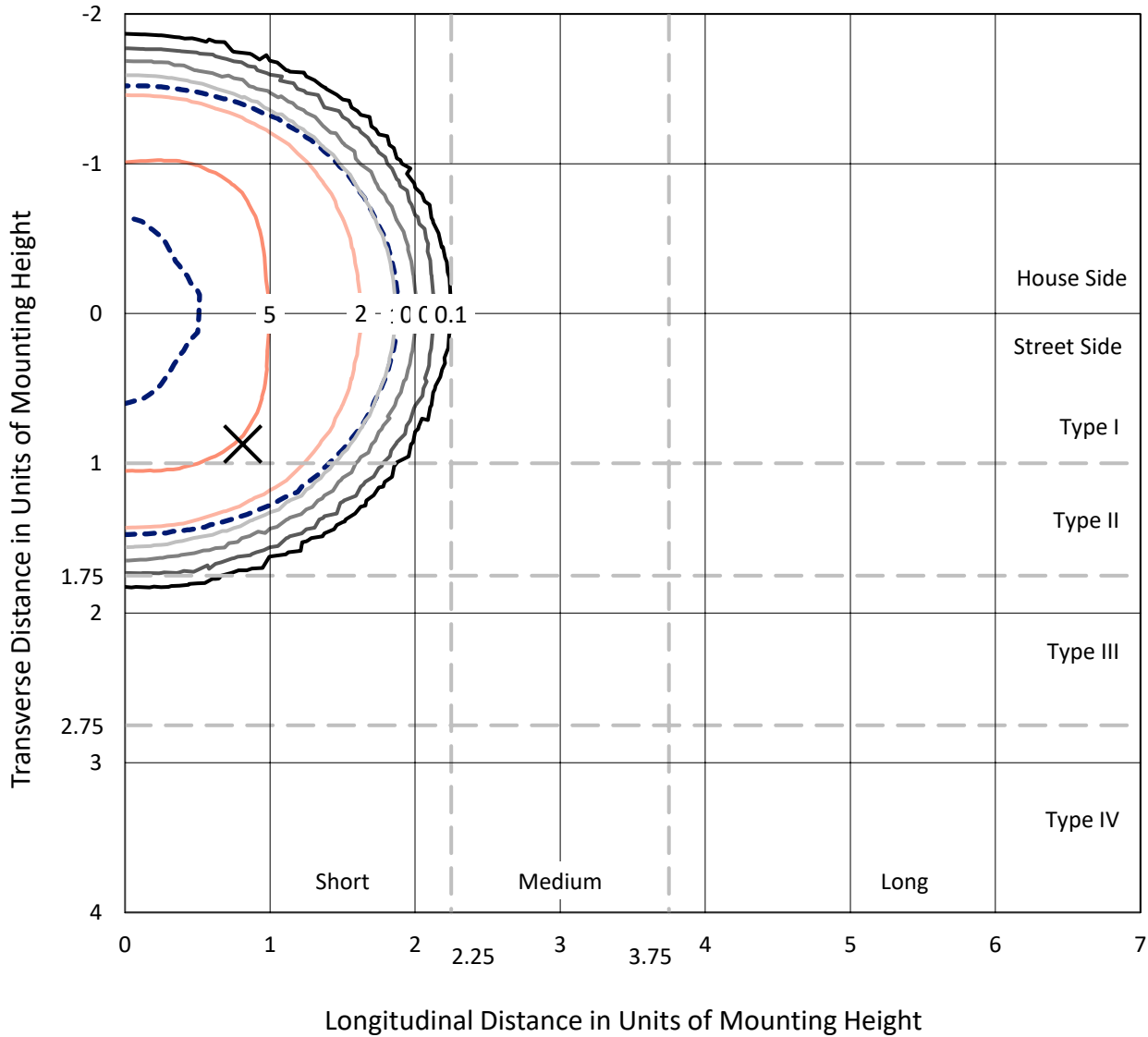
Lumens per Lamp: N/A  
Luminaire Lumens: 3930.1 lumens  
Efficiency: N/A  
Efficacy: 88.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

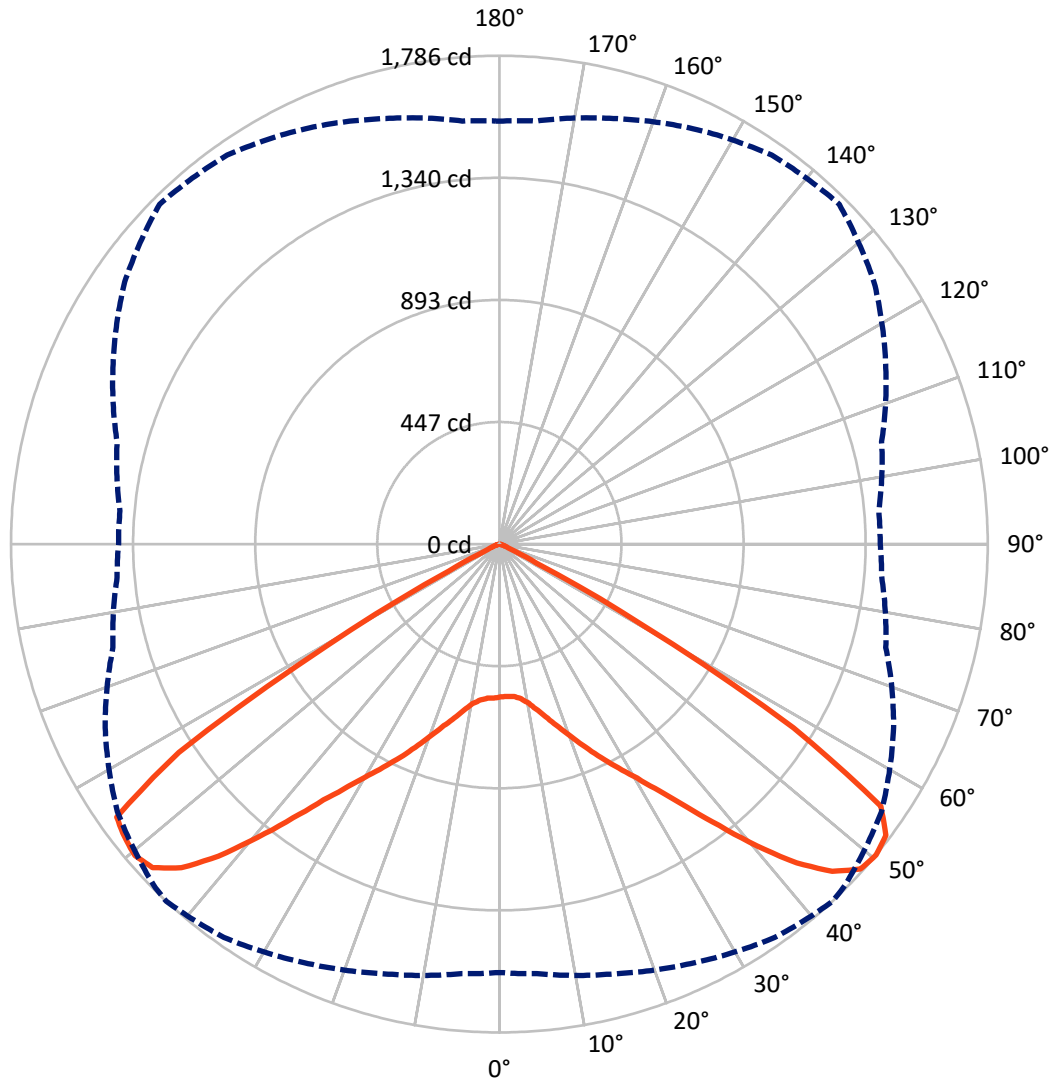
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

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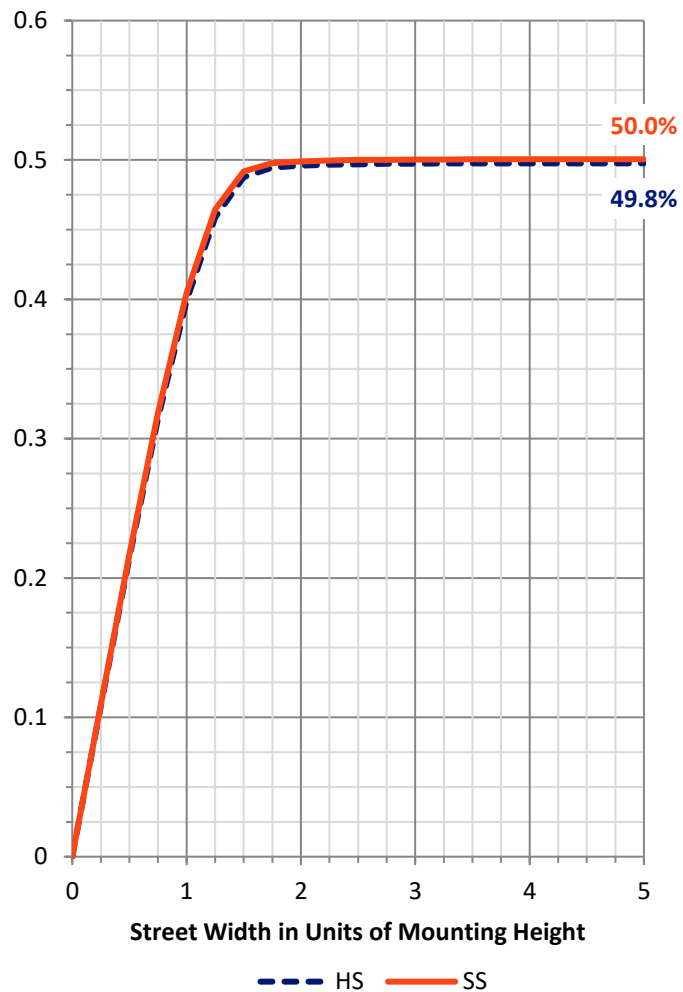
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1965.0	0.0	1965.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1965.1	0.0	1965.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3930.1	0.0	3930.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.0	1.4
10°-20°	189.4	4.8
20°-30°	383.3	9.8
30°-40°	711.1	18.1
40°-50°	1180.4	30.0
50°-60°	1204.6	30.7
60°-70°	197.5	5.0
70°-80°	8.6	0.2
80°-90°	0.1	0.0
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°	3930.1	100.0
0°-180°	3930.1	100.0

**Coefficient of Utilization**



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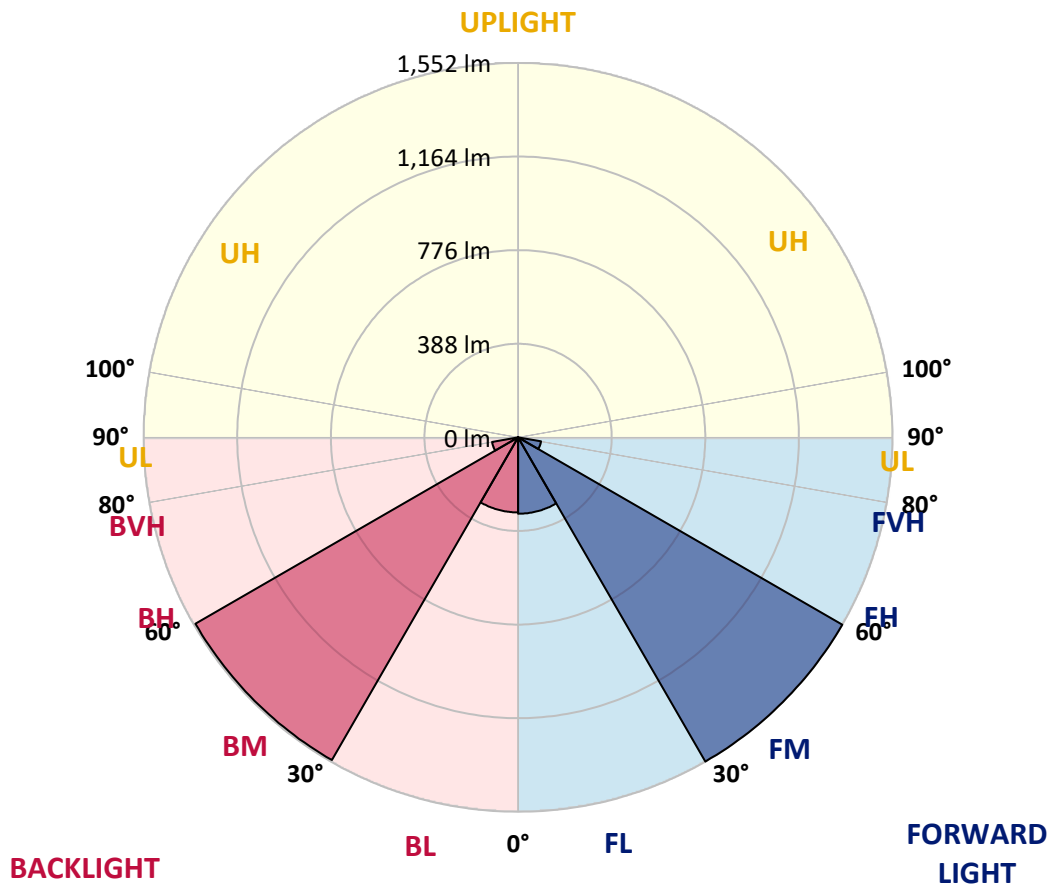
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	316.6	8.1			
FM (30°-60°)	1551.8	39.5			
FH (60°-80°)	96.6	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	311.1	7.9	B1/500		
BM (30°-60°)	1544.3	39.3	B2/2500		
BH (60°-80°)	109.5	2.8	B0/110		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0
2.5°	548.6	549.9	551.6	553.3	555.5	557.7	559.0	562.9	562.0	565.5	565.5
5°	542.5	543.8	546.0	549.9	554.6	559.4	562.9	570.7	575.1	582.0	584.6
7.5°	545.5	547.3	549.9	556.0	563.3	570.7	574.6	587.2	595.9	609.0	616.4
10°	555.5	557.3	561.6	572.0	581.6	592.0	596.8	612.9	626.8	644.6	655.1
12.5°	566.8	569.0	577.7	593.3	609.9	623.8	630.3	648.1	662.4	682.4	699.0
15°	578.6	582.0	595.5	618.5	642.0	660.7	667.7	686.8	701.1	722.4	741.1
17.5°	605.9	609.9	625.1	649.8	682.0	703.7	709.8	729.8	740.7	755.0	774.6
20°	640.3	647.7	666.4	696.4	731.6	752.4	756.8	776.3	775.5	781.5	798.5
22.5°	682.9	688.1	708.5	744.2	783.7	806.8	816.8	825.0	814.1	808.9	819.8
25°	727.2	733.3	755.5	794.6	838.9	865.4	873.7	880.2	862.8	843.3	844.6
27.5°	784.6	788.9	810.7	852.4	896.7	926.7	934.1	945.4	922.4	891.1	882.4
30°	852.8	857.2	880.2	924.1	968.0	993.7	1005.0	1018.9	993.7	954.6	944.6
32.5°	932.8	937.2	966.7	1011.9	1048.0	1075.8	1086.7	1101.5	1081.5	1037.6	1026.3
35°	1028.4	1031.1	1065.8	1114.9	1153.2	1180.1	1187.5	1204.9	1182.8	1138.9	1132.8
37.5°	1139.3	1142.3	1180.1	1237.1	1276.2	1306.2	1317.9	1322.7	1295.8	1246.7	1241.9
40°	1261.0	1271.0	1307.9	1369.2	1413.1	1451.0	1461.4	1445.3	1407.5	1340.5	1331.9
42.5°	1387.9	1396.6	1437.9	1504.4	1555.3	1594.0	1594.4	1559.6	1495.3	1402.7	1389.7
45°	1493.6	1497.0	1550.5	1617.4	1680.0	1707.4	1710.0	1647.0	1550.1	1438.8	1411.0
47.5°	1566.1	1571.8	1618.3	1682.6	1751.7	1776.5	1771.3	1692.6	1576.1	1462.3	1416.2
50°	1567.0	1576.6	1627.0	1689.2	1756.1	1786.1	1778.7	1705.7	1590.9	1463.1	1403.6
52.5°	1428.3	1444.0	1526.2	1616.1	1718.7	1770.0	1771.7	1722.6	1585.3	1449.2	1392.3
55°	1077.6	1094.5	1198.0	1351.4	1549.6	1692.6	1717.4	1702.6	1578.7	1455.3	1412.3
57.5°	570.3	557.3	614.6	766.8	1015.8	1268.8	1341.4	1459.6	1506.2	1462.7	1449.2
60°	124.3	132.6	176.5	237.8	396.4	596.8	667.7	870.2	1111.0	1218.0	1295.3
62.5°	53.5	52.6	54.8	62.2	90.8	151.3	184.7	301.7	476.0	653.8	774.2
65°	43.9	44.3	46.1	46.1	43.0	43.5	45.6	69.1	111.3	156.0	209.5
67.5°	33.0	33.5	36.5	37.4	35.2	31.3	30.9	26.1	27.4	34.3	35.6
70°	20.9	20.9	22.6	23.5	23.5	21.7	21.3	18.7	18.3	20.9	23.5
72.5°	11.3	11.3	12.2	12.6	12.2	11.7	11.7	11.3	10.9	12.6	16.1
75°	4.8	4.8	5.2	5.2	4.8	4.8	4.8	4.8	4.8	5.7	8.7
77.5°	0.9	1.3	1.7	1.3	0.9	0.9	0.9	1.3	1.3	1.7	2.6
80°	0.4	0.4	0.9	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4
82.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0	559.0
2.5°	568.6	563.8	565.5	566.4	565.1	564.2	559.4	558.1	556.0	552.5	551.6
5°	587.7	583.8	583.3	580.7	574.6	567.3	558.1	554.2	549.9	545.5	544.7
7.5°	619.8	615.1	612.0	603.3	589.4	577.7	562.5	554.2	548.6	542.9	541.6
10°	661.1	655.5	646.8	630.7	612.0	595.1	577.3	566.4	557.7	549.9	549.4
12.5°	705.0	699.0	683.3	662.9	640.3	624.6	602.0	586.8	573.8	562.0	560.7
15°	751.1	743.7	722.4	698.1	677.2	661.1	636.4	612.0	592.0	575.1	573.3
17.5°	786.3	777.2	752.0	733.7	716.8	700.3	672.4	640.3	613.8	593.3	588.6
20°	808.5	799.8	775.9	765.9	758.1	746.3	713.3	679.8	650.3	625.1	620.7
22.5°	829.8	819.4	798.5	798.5	804.6	799.8	764.2	725.9	691.1	662.0	655.5
25°	853.7	845.4	830.7	842.8	858.1	857.6	821.1	773.3	733.3	700.7	694.2
27.5°	888.5	880.2	875.0	898.0	917.2	915.9	875.9	824.1	782.0	749.8	743.7
30°	949.8	941.9	936.3	964.1	988.5	979.3	935.4	885.4	842.8	806.3	802.0
32.5°	1031.5	1023.2	1015.8	1043.7	1065.4	1053.7	1011.9	965.0	915.9	880.2	871.5
35°	1138.9	1121.5	1114.1	1147.1	1156.2	1143.2	1103.2	1061.9	1009.8	968.9	963.2
37.5°	1249.7	1229.3	1224.1	1252.7	1267.5	1262.7	1215.8	1172.8	1116.3	1071.0	1064.5
40°	1344.5	1325.8	1316.6	1361.4	1394.9	1397.9	1355.8	1303.2	1236.7	1189.7	1178.0
42.5°	1400.1	1384.0	1381.8	1451.4	1506.2	1545.3	1494.9	1440.5	1370.5	1317.5	1307.9
45°	1412.7	1402.3	1420.5	1511.8	1597.0	1668.3	1625.3	1567.9	1492.2	1436.2	1427.0
47.5°	1411.4	1407.9	1440.5	1543.1	1650.9	1738.7	1717.4	1652.6	1579.6	1520.9	1512.2
50°	1392.7	1393.1	1447.5	1558.8	1672.6	1757.8	1736.5	1676.5	1611.3	1553.5	1546.6
52.5°	1385.3	1382.7	1434.4	1554.0	1694.8	1749.1	1701.3	1634.0	1561.4	1490.1	1479.6
55°	1411.4	1404.9	1436.2	1550.1	1697.4	1744.4	1618.3	1472.3	1323.6	1239.3	1232.3
57.5°	1450.5	1443.6	1458.3	1521.4	1561.4	1450.5	1191.0	955.4	802.4	737.6	709.4
60°	1295.3	1290.6	1279.3	1203.2	1031.9	778.5	530.3	338.2	243.0	196.5	196.5
62.5°	803.7	797.2	735.9	546.8	397.3	229.9	126.5	79.1	60.0	56.1	55.6
65°	225.6	224.3	185.6	131.3	83.5	51.7	45.6	46.5	45.6	44.3	43.9
67.5°	33.9	37.4	37.4	30.4	29.1	32.6	38.3	40.9	38.7	36.5	35.6
70°	21.7	23.5	22.6	19.6	20.9	24.3	27.4	27.8	26.5	24.3	23.9
72.5°	15.2	17.0	13.9	12.6	13.0	14.3	15.6	15.6	15.2	14.3	13.5
75°	9.1	9.1	6.5	6.1	6.1	6.5	6.5	7.4	7.4	7.0	6.5
77.5°	3.0	3.5	2.2	1.7	1.7	1.7	2.2	2.6	2.6	2.2	1.7
80°	0.4	0.9	0.4	0.4	0.4	0.4	0.4	0.4	0.9	0.9	0.4
82.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)