

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: P635092

Luminaire Tested: GWS-SA3D-722-U-T3R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635092  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-722-U-T3R-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

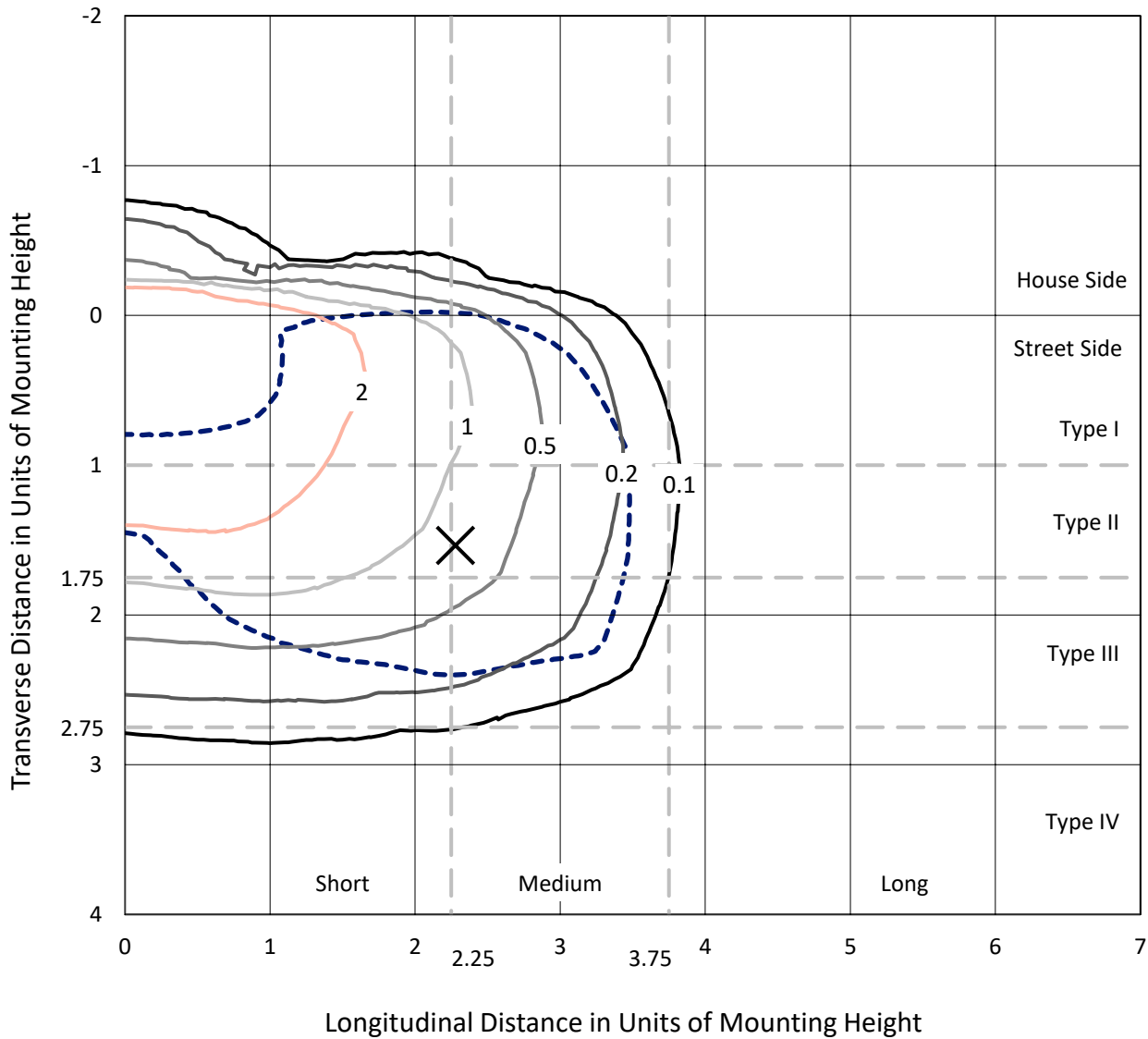
Lumens per Lamp: N/A  
Luminaire Lumens: 10147.5 lumens  
Efficiency: N/A  
Efficacy: 84.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

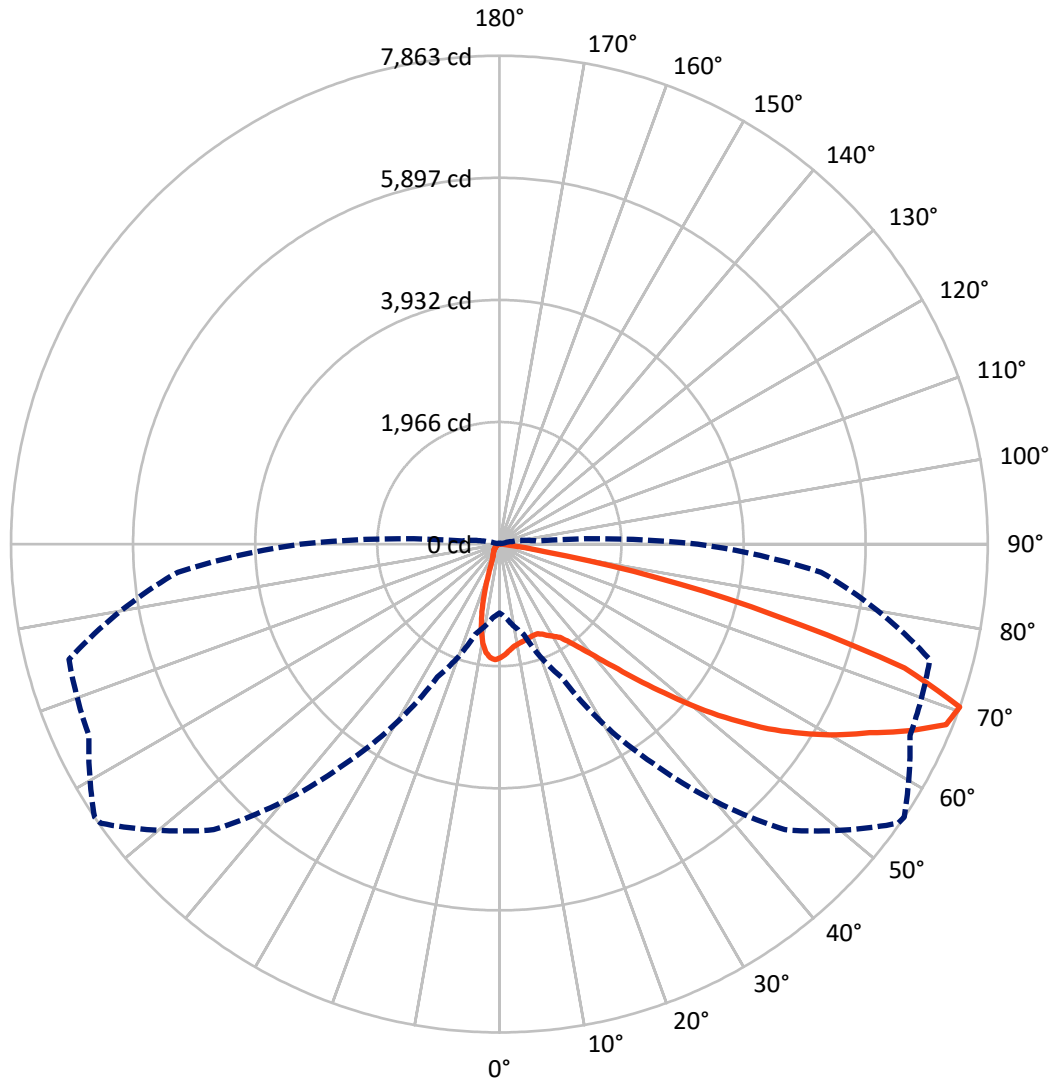
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.8 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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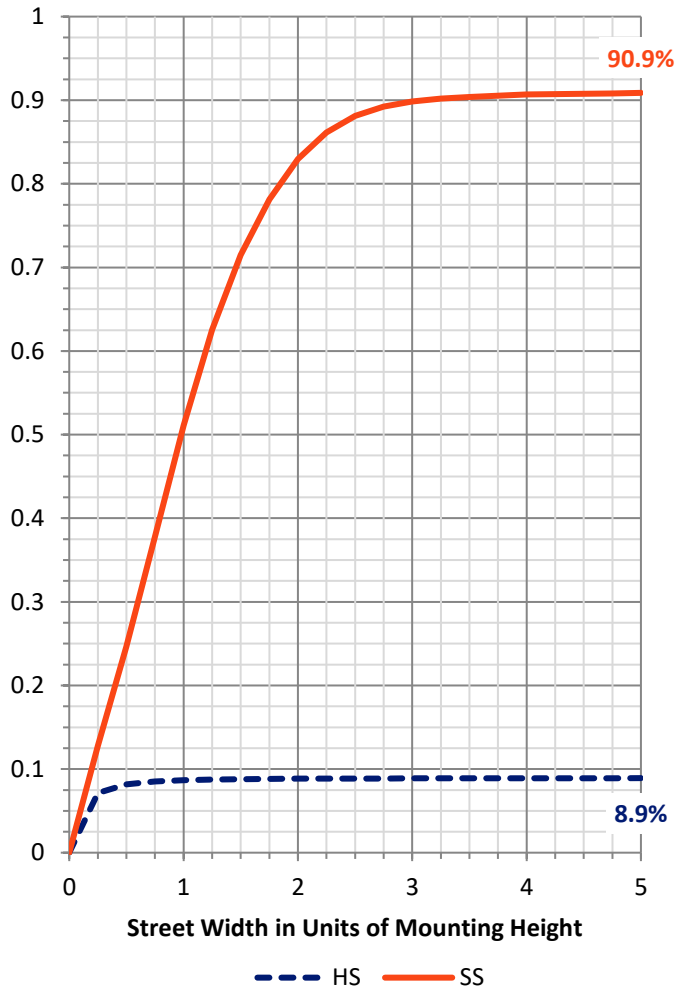
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	911.4	0.0	911.4
	% Fixture	9.0	0.0	9.0
<b>Street Side</b>	Lumens	9236.1	0.0	9236.1
	% Fixture	91.0	0.0	91.0
<b>Total</b>	Lumens	10147.5	0.0	10147.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	157.1	1.5
10°-20°	353.3	3.5
20°-30°	559.7	5.5
30°-40°	965.1	9.5
40°-50°	1629.8	16.1
50°-60°	2394.7	23.6
60°-70°	2839.1	28.0
70°-80°	1210.7	11.9
80°-90°	38.0	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°	10147.5	100.0
0°-180°	10147.5	100.0

**Coefficient of Utilization**



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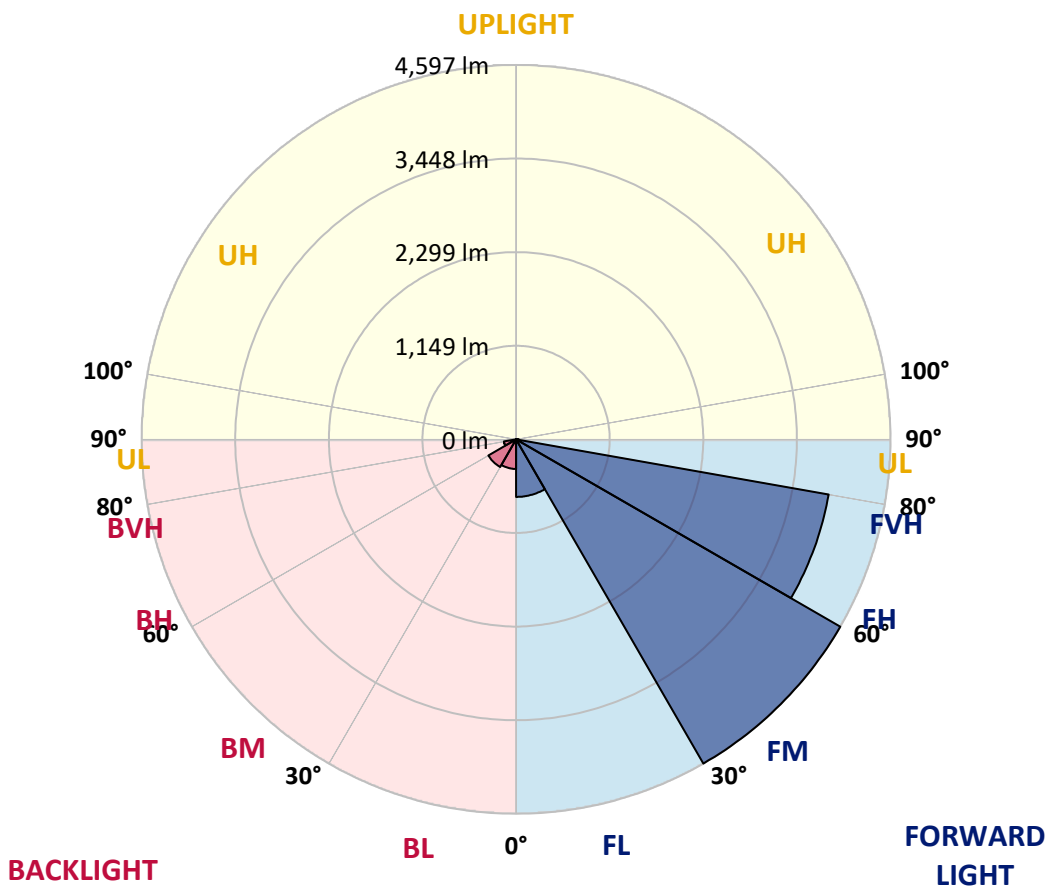
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	707.1	7.0			
FM (30°-60°)	4597.1	45.3			
FH (60°-80°)	3897.7	38.4			G2/5000
FVH (80°-90°)	34.2	0.3			G1/100
BL (0°-30°)	363.0	3.6	B1/500		
BM (30°-60°)	392.6	3.9	B1/1000		
BH (60°-80°)	152.0	1.5	B1/500		G1/500
BVH (80°-90°)	3.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7
2.5°	1703.3	1700.5	1702.4	1716.3	1742.3	1754.4	1774.9	1778.6	1795.3	1816.7	1825.1
5°	1592.7	1583.4	1588.1	1607.6	1637.3	1670.8	1708.9	1719.1	1760.9	1808.3	1843.6
7.5°	1491.4	1481.2	1492.4	1523.0	1564.9	1601.1	1657.8	1664.3	1731.2	1814.8	1878.9
10°	1332.5	1335.3	1357.6	1411.5	1475.7	1550.9	1627.1	1636.4	1719.1	1836.2	1935.6
12.5°	1210.8	1204.3	1228.5	1289.8	1379.9	1489.6	1603.9	1616.0	1720.0	1868.7	2008.1
15°	1154.1	1152.3	1162.5	1207.1	1294.4	1423.6	1582.5	1598.3	1732.1	1898.5	2076.9
17.5°	1156.0	1153.2	1152.3	1178.3	1243.3	1374.4	1559.3	1579.7	1742.3	1931.0	2149.4
20°	1236.8	1223.8	1200.6	1188.5	1227.5	1342.8	1543.5	1566.7	1757.2	1965.4	2226.5
22.5°	1406.0	1410.6	1348.3	1283.3	1264.7	1346.5	1541.6	1568.6	1789.7	2019.3	2321.3
25°	1744.2	1736.8	1621.5	1475.7	1374.4	1389.2	1574.2	1606.7	1853.9	2096.4	2410.5
27.5°	2167.9	2174.4	2016.5	1784.2	1572.3	1477.5	1633.6	1666.1	1928.2	2144.7	2470.0
30°	2629.8	2623.3	2454.2	2196.8	1852.9	1624.3	1693.1	1721.9	1965.4	2170.7	2531.3
32.5°	3066.5	3051.7	2884.4	2614.9	2210.7	1855.7	1774.9	1791.6	2014.6	2227.4	2614.0
35°	3439.2	3438.2	3292.3	3005.2	2578.7	2145.6	1915.2	1929.1	2106.6	2317.6	2735.7
37.5°	3823.9	3810.9	3647.3	3385.3	2956.9	2463.4	2129.8	2124.3	2251.6	2450.4	2885.3
40°	4139.8	4131.5	4006.0	3754.2	3350.0	2814.7	2390.0	2373.3	2423.5	2634.4	3093.5
42.5°	4374.0	4374.9	4335.9	4182.6	3766.3	3220.8	2717.1	2691.1	2690.2	2912.3	3368.5
45°	4551.5	4563.6	4622.1	4598.9	4257.8	3693.8	3136.2	3109.3	3063.7	3272.8	3683.6
47.5°	4634.2	4650.0	4826.5	4919.5	4688.1	4163.0	3635.2	3578.5	3489.3	3752.3	4035.7
50°	4625.8	4653.7	4899.9	5182.4	5078.4	4638.8	4178.8	4151.9	4006.0	4259.7	4384.2
52.5°	4436.2	4495.7	4904.6	5342.3	5378.5	5077.4	4741.0	4690.9	4620.2	4789.4	4711.3
55°	3921.4	3993.9	4708.5	5393.4	5612.7	5460.3	5291.2	5250.3	5133.2	5289.3	4996.6
57.5°	3641.7	3704.0	4295.9	5368.3	5811.5	5814.3	5780.9	5747.4	5650.8	5783.7	5331.1
60°	3473.5	3535.8	4075.7	5276.3	5991.8	6187.9	6240.9	6237.1	6097.7	6345.9	5723.3
62.5°	3227.3	3312.8	3846.2	5037.5	6120.1	6555.9	6715.7	6690.6	6535.4	6931.3	6111.7
65°	2730.1	2804.5	3376.0	4643.5	6044.8	6860.7	7230.5	7243.5	7064.2	7482.3	6418.3
67.5°	1914.3	1969.1	2536.9	3816.4	5533.7	6961.0	7757.4	7756.5	7450.7	7764.8	6282.7
70°	1109.5	1184.8	1498.9	2359.4	4305.2	6504.8	7836.4	7863.3	7293.7	7174.8	5199.2
72.5°	429.3	491.6	849.3	1253.6	2245.1	4982.6	6740.8	6819.8	6104.3	5534.6	3618.5
75°	128.2	143.1	399.6	667.2	901.4	2406.8	4563.6	4585.9	4187.2	3452.2	1854.8
77.5°	95.7	105.9	174.7	337.3	315.9	729.5	2361.2	2578.7	2222.8	1233.1	511.1
80°	65.0	77.1	124.5	164.5	117.1	194.2	663.5	728.5	678.4	276.9	128.2
82.5°	28.8	37.2	88.3	82.7	42.7	55.8	204.4	217.4	140.3	83.6	44.6
85°	2.8	3.7	33.5	36.2	15.8	13.0	42.7	42.7	30.7	28.8	18.6
87.5°	0.0	0.0	0.9	1.9	1.9	2.8	3.7	4.6	5.6	7.4	9.3
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°	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7	1829.7
2.5°	1846.4	1835.3	1849.2	1860.4	1863.1	1842.7	1830.6	1813.0	1809.3	1810.2	1805.5
5°	1871.5	1865.9	1876.2	1864.1	1832.5	1773.0	1721.9	1665.2	1634.6	1616.9	1615.0
7.5°	1918.0	1915.2	1904.0	1849.2	1750.7	1618.8	1491.4	1366.9	1289.8	1261.9	1257.3
10°	1986.7	1981.2	1935.6	1805.5	1595.5	1341.8	1128.1	949.7	841.0	809.4	770.3
12.5°	2065.7	2054.6	1955.1	1711.7	1361.4	1010.1	743.4	543.6	449.8	421.9	421.9
15°	2141.9	2117.8	1944.0	1556.5	1073.3	657.0	415.4	314.1	285.3	277.8	277.8
17.5°	2220.0	2173.5	1900.3	1344.6	741.5	388.4	276.9	257.4	253.7	254.6	255.5
20°	2293.4	2220.9	1823.2	1090.0	473.0	271.3	248.1	243.5	241.6	243.5	242.5
22.5°	2373.3	2264.6	1706.1	812.2	307.6	244.4	236.0	232.3	230.5	233.2	233.2
25°	2452.3	2296.2	1550.9	546.4	244.4	227.7	223.0	219.3	217.4	218.4	218.4
27.5°	2493.2	2284.1	1347.4	348.5	219.3	210.9	206.3	201.6	198.9	197.9	198.9
30°	2521.1	2246.9	1098.4	248.1	198.9	188.6	184.0	180.3	172.8	168.2	170.1
32.5°	2564.7	2209.8	828.0	208.2	182.1	166.3	158.9	149.6	139.4	134.7	134.7
35°	2616.8	2158.7	580.8	187.7	164.5	147.8	133.8	118.0	105.9	102.2	102.2
37.5°	2685.5	2110.3	386.6	173.8	149.6	132.0	112.4	93.9	80.8	79.0	78.1
40°	2788.7	2069.4	272.3	163.5	136.6	115.2	92.0	72.5	63.2	60.4	60.4
42.5°	2922.5	2027.6	215.6	153.3	125.4	99.4	73.4	57.6	50.2	48.3	47.4
45°	3087.9	1978.4	187.7	144.0	114.3	82.7	58.5	48.3	42.7	40.9	40.9
47.5°	3267.2	1911.5	174.7	132.0	101.3	66.9	49.3	41.8	39.0	38.1	37.2
50°	3443.8	1821.3	163.5	120.8	86.4	54.8	42.7	38.1	36.2	35.3	35.3
52.5°	3598.1	1716.3	149.6	107.8	70.6	47.4	38.1	35.3	33.5	31.6	30.7
55°	3730.0	1602.0	132.0	92.9	57.6	41.8	35.3	32.5	30.7	28.8	27.9
57.5°	3900.1	1537.0	105.9	75.3	47.4	37.2	32.5	29.7	27.9	25.1	25.1
60°	4088.7	1489.6	79.0	59.5	40.9	34.4	29.7	26.9	25.1	22.3	22.3
62.5°	4240.2	1419.0	62.3	48.3	35.3	30.7	26.9	24.2	22.3	19.5	19.5
65°	4297.8	1273.1	51.1	38.1	28.8	26.9	24.2	22.3	19.5	16.7	16.7
67.5°	4037.6	981.3	42.7	30.7	24.2	23.2	21.4	20.4	16.7	14.9	13.9
70°	3197.6	598.4	35.3	25.1	20.4	19.5	19.5	17.7	14.9	13.9	13.0
72.5°	2191.2	308.5	28.8	20.4	17.7	17.7	16.7	15.8	13.9	13.0	13.0
75°	1138.3	103.1	22.3	15.8	13.9	14.9	14.9	13.9	13.0	13.0	12.1
77.5°	326.2	46.5	16.7	12.1	11.2	11.2	12.1	12.1	12.1	11.2	11.2
80°	84.6	26.9	12.1	9.3	9.3	9.3	9.3	10.2	11.2	10.2	10.2
82.5°	34.4	14.9	8.4	7.4	7.4	7.4	7.4	8.4	9.3	9.3	9.3
85°	21.4	7.4	6.5	6.5	6.5	5.6	5.6	6.5	6.5	7.4	7.4
87.5°	13.0	5.6	5.6	5.6	5.6	4.6	4.6	4.6	4.6	4.6	4.6
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)