

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: P634408

Luminaire Tested: GWS-SA3B-760-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634408
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-SA3B-760-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10078.4 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

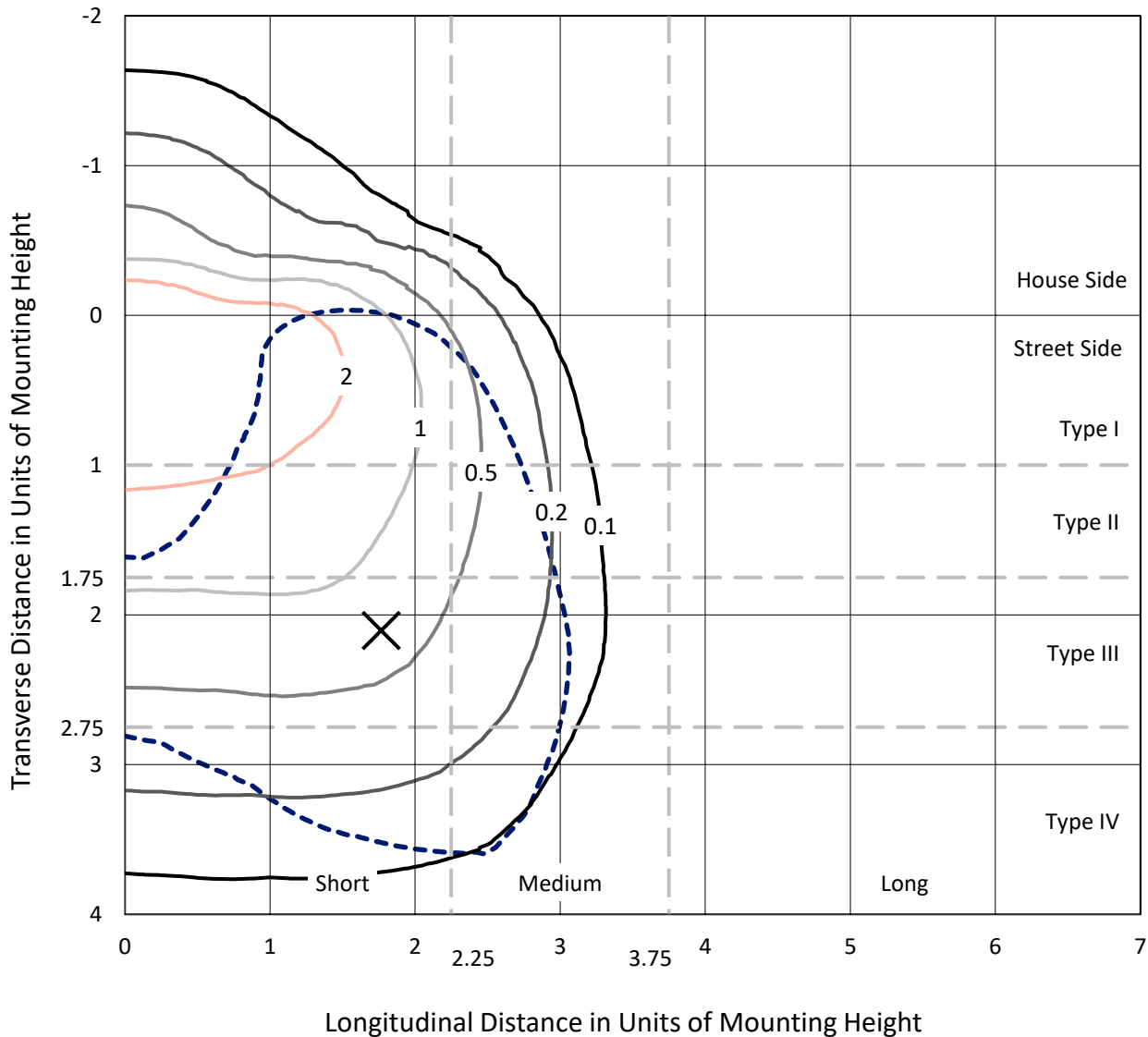
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

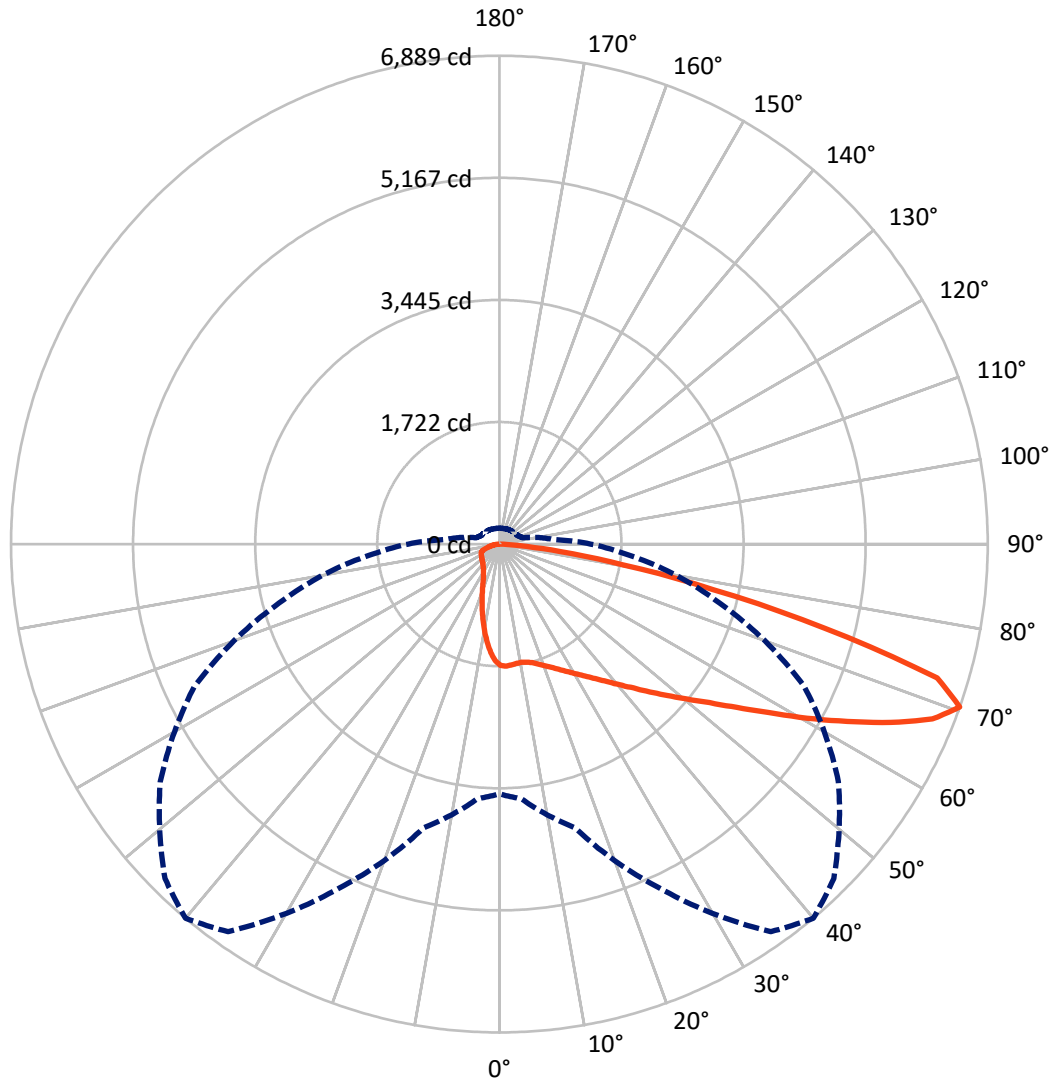
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.3 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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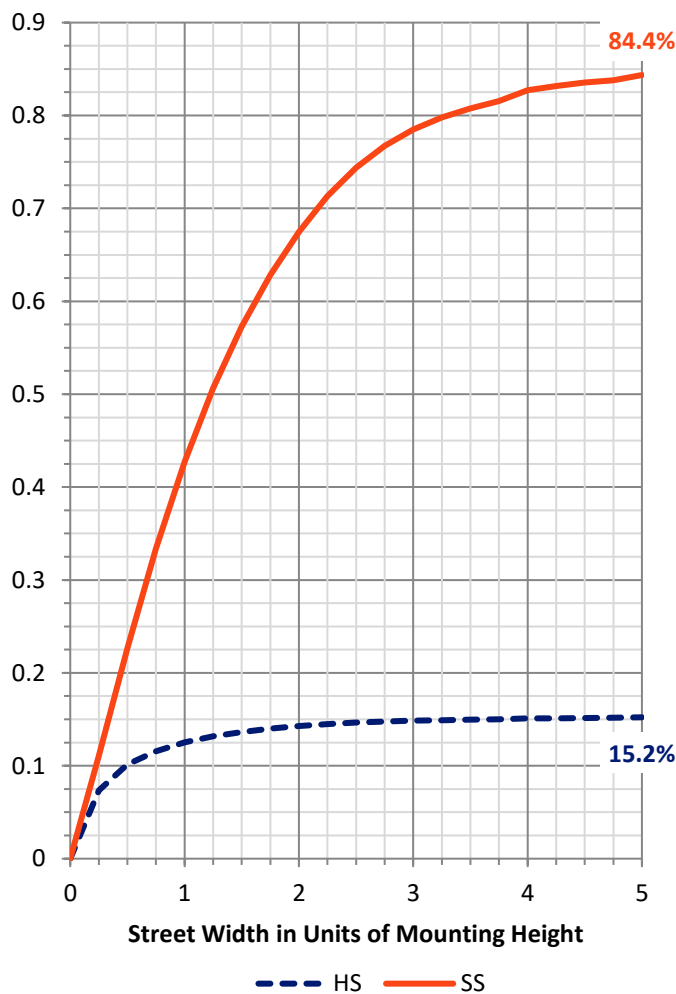
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1552.3	0.0	1552.3
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	8526.1	0.0	8526.1
	% Fixture	84.6	0.0	84.6
Total	Lumens	10078.4	0.0	10078.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.2	1.5
10°-20°	394.1	3.9
20°-30°	618.8	6.1
30°-40°	930.4	9.2
40°-50°	1436.1	14.2
50°-60°	2132.7	21.2
60°-70°	2688.2	26.7
70°-80°	1554.6	15.4
80°-90°	172.5	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°	10078.4	100.0
0°-180°	10078.4	100.0

Coefficient of Utilization



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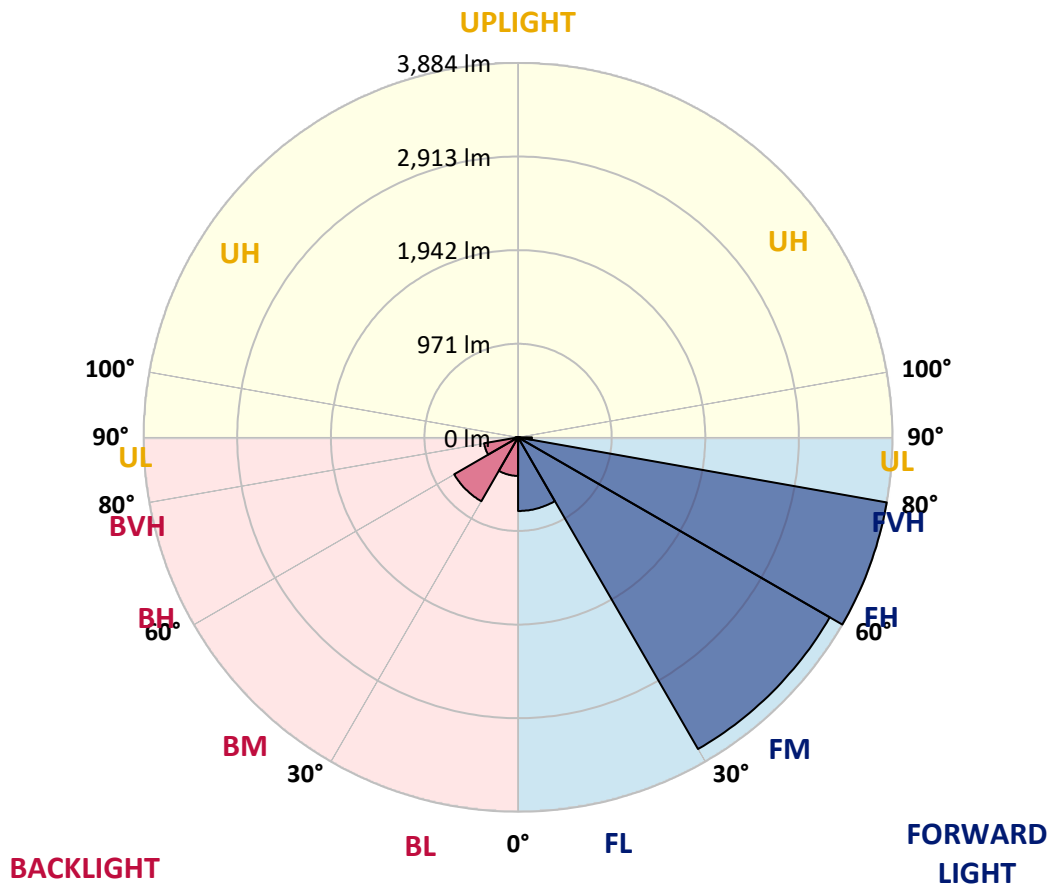
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	764.0	7.6			
FM (30°-60°)	3733.9	37.0			
FH (60°-80°)	3884.4	38.5			G2/5000
FVH (80°-90°)	143.7	1.4			G2/225
BL (0°-30°)	400.1	4.0	B1/500		
BM (30°-60°)	765.2	7.6	B1/1000		
BH (60°-80°)	358.3	3.6	B1/500		G1/500
BVH (80°-90°)	28.8	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1711.4	1711.4	1711.4	1711.4	1711.4	1711.4	1711.4	1711.4	1711.4	1711.4	1711.4
2.5°	1722.0	1725.0	1727.2	1730.2	1728.7	1724.2	1728.0	1728.0	1719.7	1710.7	1702.4
5°	1724.2	1728.0	1727.2	1726.5	1720.5	1712.9	1712.9	1708.4	1694.1	1679.8	1666.3
7.5°	1719.7	1719.0	1718.2	1715.9	1709.2	1700.9	1699.4	1690.4	1671.6	1652.0	1632.4
10°	1699.4	1698.6	1700.9	1706.2	1704.7	1697.1	1697.1	1688.9	1667.0	1643.0	1617.4
12.5°	1682.8	1682.8	1691.9	1706.2	1711.4	1708.4	1709.2	1703.2	1678.3	1649.7	1619.7
15°	1685.1	1685.9	1705.4	1728.7	1738.5	1736.3	1737.0	1730.2	1702.4	1673.8	1633.2
17.5°	1700.1	1703.9	1737.8	1770.1	1782.9	1779.9	1774.6	1763.3	1731.7	1699.4	1649.7
20°	1731.7	1737.8	1781.4	1822.0	1837.1	1830.3	1821.3	1798.7	1764.1	1728.7	1667.8
22.5°	1794.2	1797.9	1846.1	1886.0	1898.0	1889.7	1871.7	1839.3	1799.4	1762.6	1689.6
25°	1882.2	1886.7	1932.6	1969.5	1966.4	1956.7	1931.8	1892.0	1844.6	1805.5	1721.2
27.5°	1986.8	1994.3	2039.4	2068.8	2049.2	2034.9	2007.1	1958.9	1905.5	1870.2	1769.4
30°	2101.1	2104.1	2142.5	2171.8	2141.7	2122.2	2088.3	2036.4	1988.3	1961.9	1841.6
32.5°	2211.7	2214.7	2247.8	2264.4	2232.8	2218.5	2189.1	2134.2	2100.4	2086.1	1949.1
35°	2328.3	2327.5	2354.6	2368.9	2336.6	2330.6	2300.5	2258.3	2252.3	2271.1	2106.4
37.5°	2444.9	2438.1	2452.4	2471.2	2453.2	2459.2	2439.6	2425.3	2448.7	2497.6	2315.5
40°	2538.2	2538.2	2553.2	2576.5	2582.6	2608.9	2597.6	2616.4	2691.6	2808.2	2574.3
42.5°	2620.9	2621.7	2653.3	2689.4	2733.0	2773.6	2782.7	2831.6	2987.3	3170.1	2899.3
45°	2707.4	2708.2	2751.1	2803.7	2896.3	2973.7	2991.8	3101.6	3324.3	3547.0	3252.1
47.5°	2807.5	2799.2	2858.6	2946.7	3078.3	3189.7	3236.3	3392.0	3673.4	3947.2	3584.6
50°	2920.3	2903.0	2969.2	3121.2	3283.7	3436.4	3514.6	3692.9	4048.0	4316.6	3897.5
52.5°	3047.5	3037.7	3106.9	3292.0	3540.2	3716.2	3822.3	4056.3	4412.1	4684.4	4145.8
55°	3205.4	3182.1	3282.2	3517.6	3841.1	4065.3	4190.9	4415.9	4810.1	5018.4	4335.4
57.5°	3378.5	3352.9	3486.8	3799.7	4232.3	4478.3	4635.5	4820.6	5184.7	5274.2	4446.7
60°	3565.0	3556.8	3715.5	4130.7	4698.7	4984.6	5098.2	5265.9	5510.4	5422.4	4418.9
62.5°	3735.8	3732.8	3963.7	4489.6	5193.0	5507.4	5597.7	5642.1	5745.1	5412.6	4197.7
65°	3915.6	3941.2	4253.4	4905.6	5759.4	6067.9	6105.5	5992.6	5824.1	5156.1	3744.8
67.5°	3938.2	3987.8	4435.4	5295.3	6296.6	6587.7	6557.6	6125.8	5590.9	4442.2	2935.4
70°	3522.2	3608.7	4145.0	5354.7	6674.9	6889.3	6671.9	5839.2	4744.6	3218.2	1846.1
72.5°	2942.9	3017.4	3491.3	4566.3	6186.7	6459.8	6165.7	4942.5	3352.9	1846.1	940.3
75°	2290.7	2377.2	2814.3	3629.7	4631.8	4740.8	4593.4	3446.9	1843.1	761.3	427.3
77.5°	1397.7	1460.2	1800.2	2459.2	3240.8	3077.6	2608.1	1932.6	808.7	364.9	264.0
80°	618.4	656.7	886.9	1321.0	1872.4	1770.1	1395.5	825.2	442.3	231.7	184.3
82.5°	331.8	356.6	437.1	522.8	822.2	859.9	697.4	475.4	237.7	132.4	105.3
85°	145.9	160.2	198.6	189.6	270.1	265.6	267.8	326.5	113.6	60.9	68.5
87.5°	0.0	0.0	0.0	0.0	0.8	0.8	8.3	43.6	11.3	18.1	15.8
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°	1711.4	1711.4	1711.4	1711.4	1711.4	1711.4	1711.4	1711.4	1711.4	1711.4	1711.4
2.5°	1693.4	1679.8	1676.1	1671.6	1663.3	1649.0	1638.5	1626.4	1621.2	1615.1	1615.9
5°	1651.2	1634.7	1618.9	1598.6	1573.0	1544.4	1524.9	1502.3	1490.3	1479.0	1482.0
7.5°	1615.1	1589.6	1557.2	1514.3	1468.4	1417.3	1375.9	1343.6	1321.7	1306.7	1314.2
10°	1592.6	1562.5	1506.1	1436.1	1358.6	1280.4	1220.9	1165.3	1130.7	1103.6	1102.1
12.5°	1588.1	1548.9	1466.9	1365.4	1253.3	1148.7	1061.5	986.2	940.3	906.5	919.3
15°	1592.6	1542.9	1433.1	1299.9	1158.5	1017.1	908.7	822.2	767.3	736.5	734.2
17.5°	1597.8	1536.9	1394.7	1229.2	1059.2	897.5	771.8	680.1	623.6	592.8	593.5
20°	1602.3	1527.9	1349.6	1151.7	958.4	786.1	656.0	568.7	518.3	495.7	499.5
22.5°	1609.9	1518.8	1301.4	1069.0	855.3	678.6	564.2	493.5	463.4	448.4	449.1
25°	1624.2	1513.6	1251.8	978.7	753.8	592.8	501.0	453.6	434.8	425.8	425.0
27.5°	1653.5	1518.1	1199.9	891.4	662.0	527.3	460.4	429.5	416.8	410.7	410.0
30°	1702.4	1536.1	1154.7	802.7	583.0	476.2	432.6	413.8	406.2	401.0	400.2
32.5°	1776.9	1570.0	1105.8	719.9	519.1	438.6	410.7	401.0	395.7	392.7	392.7
35°	1889.7	1631.7	1057.7	647.7	469.4	409.2	393.4	389.7	385.2	383.7	385.2
37.5°	2052.2	1730.2	1014.1	584.5	434.1	386.7	374.6	376.1	372.4	374.6	376.9
40°	2258.3	1861.9	977.2	532.6	407.7	370.1	358.1	363.3	361.1	363.3	367.1
42.5°	2519.4	2025.1	949.4	492.0	388.9	356.6	345.3	350.6	349.1	352.1	355.8
45°	2810.5	2240.3	936.6	463.4	375.4	346.8	334.8	338.5	337.0	339.3	343.0
47.5°	3089.6	2435.9	947.9	446.9	364.1	338.5	325.7	327.2	326.5	325.7	328.0
50°	3330.3	2591.6	980.2	441.6	356.6	330.2	318.2	319.0	316.7	312.2	313.7
52.5°	3526.7	2716.5	999.8	441.6	352.8	321.2	309.9	310.7	306.2	300.2	300.9
55°	3656.1	2766.9	984.0	440.8	351.3	313.7	301.7	302.4	297.9	290.4	291.1
57.5°	3692.9	2718.0	917.8	432.6	349.8	307.7	293.4	294.9	291.9	283.6	283.6
60°	3589.9	2538.9	796.7	413.8	346.0	303.9	287.4	289.6	288.1	279.8	279.8
62.5°	3319.8	2220.7	652.2	385.2	335.5	299.4	282.1	286.6	290.4	285.9	285.1
65°	2814.3	1779.1	530.4	353.6	322.0	291.9	274.6	285.9	294.1	300.2	300.2
67.5°	2111.6	1273.6	432.6	320.5	301.7	276.8	264.8	275.3	281.4	285.1	287.4
70°	1287.1	749.3	340.8	282.1	272.3	254.3	245.2	234.7	226.4	224.9	225.7
72.5°	629.7	428.8	276.8	240.0	232.5	215.9	195.6	191.1	187.3	185.1	184.3
75°	346.8	298.7	228.7	199.4	185.8	165.5	161.0	153.5	152.0	149.0	149.7
77.5°	245.2	235.5	188.8	161.7	141.4	130.9	133.2	127.9	127.9	125.6	124.9
80°	184.3	185.1	145.2	118.1	104.6	100.8	103.1	103.1	101.6	100.8	100.1
82.5°	116.6	131.6	97.8	76.0	74.5	75.2	74.5	73.7	75.2	73.0	72.2
85°	80.5	94.8	59.4	45.1	45.1	44.4	45.9	45.1	46.6	44.4	44.4
87.5°	18.1	42.1	21.8	13.5	14.3	13.5	14.3	15.0	16.6	17.3	17.3
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)