

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: P634921

Luminaire Tested: GWS-SA3C-760-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-760-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8690.6 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

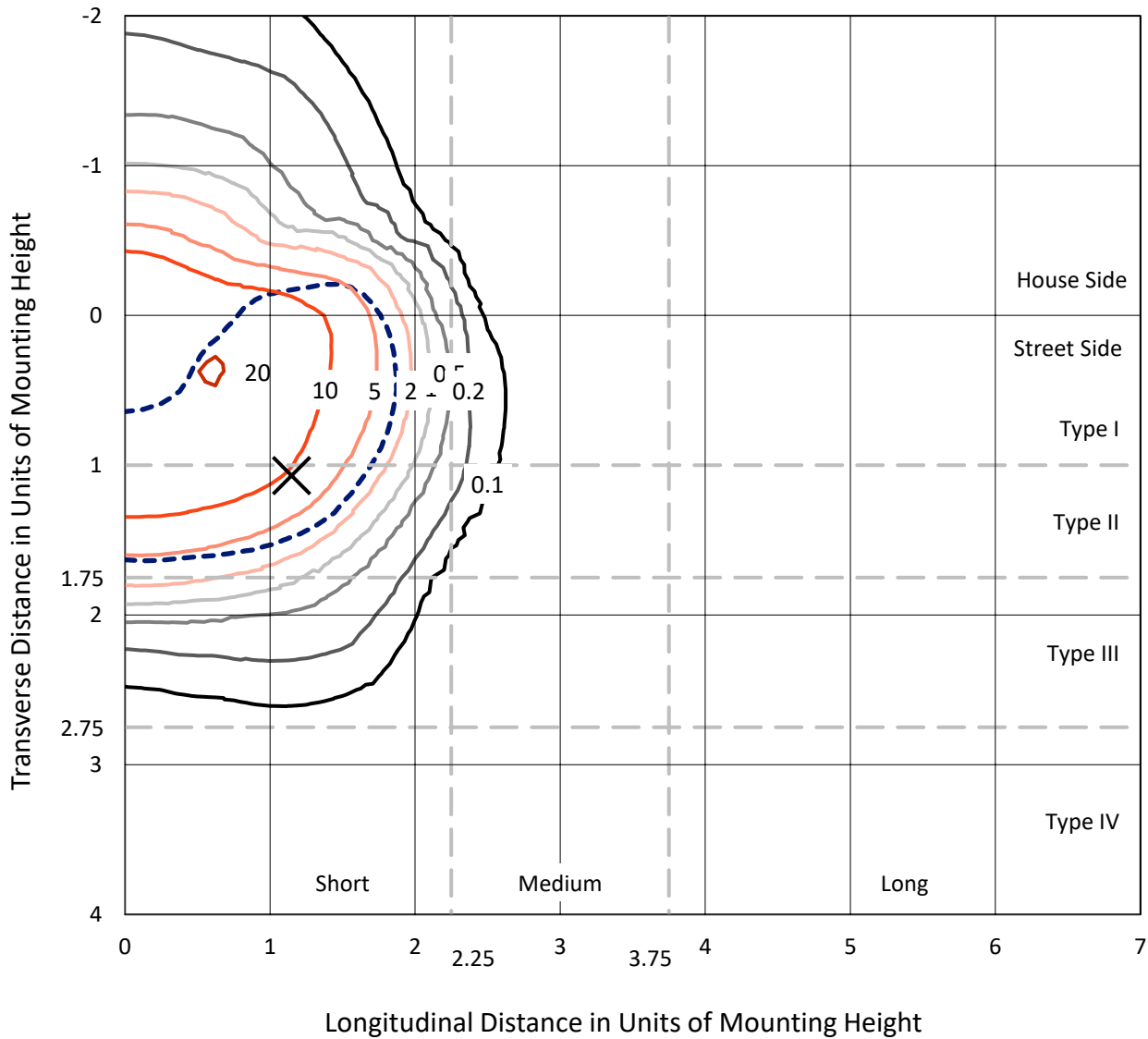
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

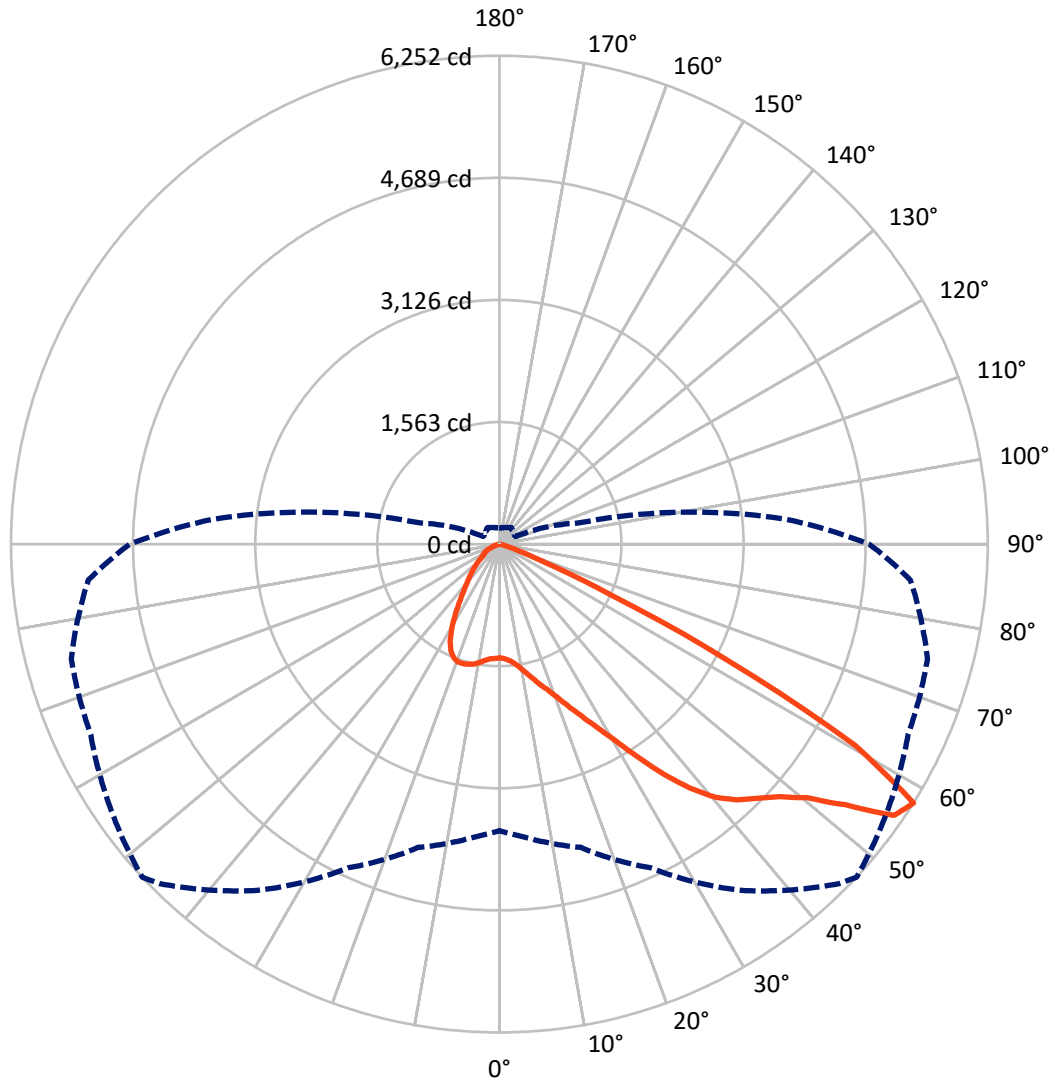
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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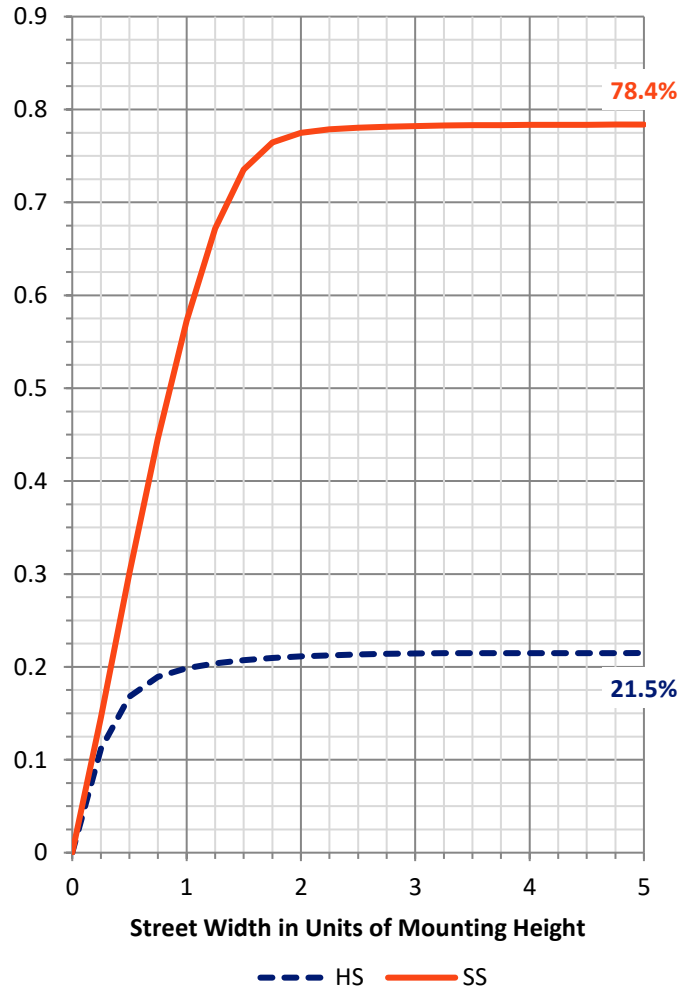
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1885.4	0.0	1885.4
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	6805.2	0.0	6805.2
	% Fixture	78.3	0.0	78.3
Total	Lumens	8690.6	0.0	8690.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.7	1.7
10°-20°	488.4	5.6
20°-30°	906.8	10.4
30°-40°	1451.6	16.7
40°-50°	2121.9	24.4
50°-60°	2618.8	30.1
60°-70°	875.1	10.1
70°-80°	81.5	0.9
80°-90°	1.7	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°	8690.6	100.0
0°-180°	8690.6	100.0

Coefficient of Utilization



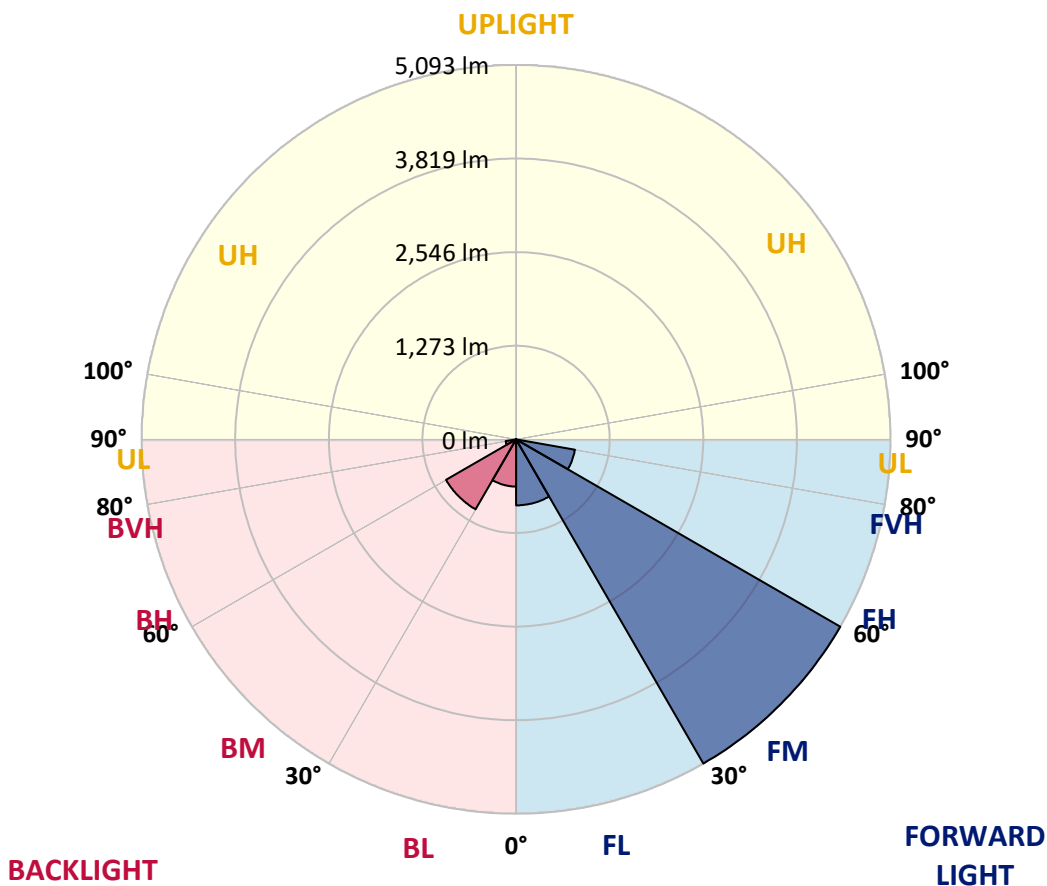
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	898.1	10.3			
FM (30°-60°)	5092.6	58.6			
FH (60°-80°)	813.3	9.4			G1/1800
FVH (80°-90°)	1.1	0.0			G0/10
BL (0°-30°)	641.8	7.4	B2/1000		
BM (30°-60°)	1099.8	12.7	B2/2500		
BH (60°-80°)	143.3	1.6	B1/500		G1/500
BVH (80°-90°)	0.5	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-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8
2.5°	1469.9	1468.9	1467.9	1474.0	1472.0	1471.0	1473.0	1473.0	1473.0	1466.9	1454.8
5°	1505.3	1505.3	1504.3	1510.3	1505.3	1502.2	1503.2	1503.2	1499.2	1488.1	1473.0
7.5°	1560.7	1558.7	1556.7	1562.8	1557.7	1556.7	1558.7	1552.7	1545.6	1527.5	1506.3
10°	1640.5	1640.5	1637.4	1643.5	1639.4	1637.4	1637.4	1633.4	1620.3	1592.0	1560.7
12.5°	1750.4	1745.4	1738.3	1733.3	1731.3	1730.2	1731.3	1725.2	1711.1	1674.8	1631.4
15°	1870.5	1866.4	1855.3	1847.3	1836.2	1834.2	1840.2	1835.2	1821.0	1771.6	1710.1
17.5°	2021.8	2026.9	1998.6	1981.5	1949.2	1947.2	1949.2	1957.2	1947.2	1883.6	1793.8
20°	2150.9	2155.0	2133.8	2121.7	2092.4	2079.3	2083.4	2096.5	2085.4	2010.7	1885.6
22.5°	2289.2	2294.2	2272.0	2246.8	2233.7	2233.7	2248.8	2267.0	2251.8	2154.0	1990.5
25°	2454.6	2458.7	2440.5	2407.2	2384.0	2413.3	2435.5	2483.9	2458.7	2325.5	2114.6
27.5°	2644.3	2645.3	2619.1	2584.8	2572.7	2627.1	2649.3	2724.0	2713.9	2518.2	2245.8
30°	2847.1	2848.1	2842.0	2818.8	2807.7	2879.4	2909.6	3017.6	3010.5	2757.3	2424.4
32.5°	3057.9	3057.9	3069.0	3067.0	3080.1	3197.2	3245.6	3368.7	3361.6	3049.9	2646.3
35°	3269.8	3270.8	3290.0	3338.4	3392.9	3548.3	3611.8	3761.1	3745.0	3400.0	2929.8
37.5°	3510.9	3500.8	3527.1	3599.7	3720.8	3900.4	3960.9	4103.1	4085.0	3758.1	3300.1
40°	3801.5	3783.3	3783.3	3868.1	4005.3	4212.1	4263.6	4334.2	4272.6	4047.7	3663.3
42.5°	4122.3	4105.2	4083.0	4157.6	4272.6	4434.1	4476.4	4457.3	4406.8	4321.1	4076.9
45°	4447.2	4420.9	4436.1	4481.5	4548.1	4624.7	4640.9	4552.1	4528.9	4553.1	4418.9
47.5°	4694.4	4676.2	4713.5	4777.1	4831.6	4842.7	4831.6	4708.5	4706.5	4792.2	4656.0
50°	4777.1	4779.1	4882.0	5021.2	5109.0	5118.1	5103.0	4961.7	4942.5	4967.8	4784.1
52.5°	4785.2	4793.2	4943.5	5208.9	5448.0	5557.0	5544.8	5392.5	5204.9	5177.6	4977.9
55°	4590.4	4637.9	4847.7	5235.1	5743.6	6091.7	6132.0	5840.4	5562.0	5538.8	5394.5
57.5°	3669.3	3766.2	4019.4	4571.3	5413.7	6147.2	6252.1	6042.2	5772.9	5674.0	5282.5
60°	2193.3	2313.4	2556.5	3233.5	4120.3	5052.5	5233.1	5262.4	5138.3	4852.7	4052.7
62.5°	941.3	931.2	1230.8	1749.4	2450.6	3211.3	3293.0	3420.1	3528.1	3229.4	2459.7
65°	322.8	351.1	488.3	789.0	1226.8	1491.1	1563.8	1677.8	1831.1	1511.3	900.9
67.5°	199.8	211.9	281.5	466.1	661.8	651.7	619.5	601.3	585.2	400.5	247.2
70°	145.3	155.4	197.7	320.8	444.9	312.8	271.4	219.9	244.2	225.0	175.5
72.5°	97.9	105.9	136.2	194.7	228.0	152.3	141.2	160.4	193.7	184.6	143.3
75°	58.5	63.6	77.7	94.8	92.8	78.7	79.7	113.0	148.3	138.2	101.9
77.5°	40.4	42.4	51.5	61.5	45.4	24.2	22.2	31.3	50.4	50.4	34.3
80°	10.1	13.1	13.1	8.1	7.1	6.1	6.1	9.1	14.1	10.1	5.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
85°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
87.5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
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°	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8	1454.8
2.5°	1461.9	1449.8	1457.8	1455.8	1461.9	1463.9	1454.8	1452.8	1453.8	1441.7	1437.7
5°	1476.0	1461.9	1465.9	1461.9	1468.9	1475.0	1472.0	1476.0	1481.0	1472.0	1467.9
7.5°	1506.3	1492.1	1491.1	1485.1	1495.2	1499.2	1498.2	1509.3	1519.4	1513.3	1507.3
10°	1558.7	1539.6	1537.5	1532.5	1535.5	1538.6	1527.5	1529.5	1538.6	1531.5	1528.5
12.5°	1623.3	1600.1	1595.1	1582.9	1582.9	1567.8	1543.6	1538.6	1545.6	1540.6	1535.5
15°	1692.9	1661.6	1653.6	1632.4	1612.2	1584.0	1558.7	1552.7	1557.7	1551.7	1547.6
17.5°	1770.6	1735.3	1709.1	1671.7	1627.3	1594.0	1565.8	1552.7	1544.6	1532.5	1531.5
20°	1847.3	1800.9	1756.5	1696.9	1638.4	1588.0	1541.6	1507.3	1478.0	1459.9	1452.8
22.5°	1936.1	1867.5	1795.8	1712.1	1628.3	1551.7	1469.9	1411.4	1361.0	1343.8	1335.8
25°	2030.9	1942.1	1835.2	1726.2	1594.0	1471.0	1360.0	1273.2	1206.6	1184.4	1175.4
27.5°	2135.8	2013.7	1875.5	1723.2	1523.4	1355.9	1208.6	1100.7	1035.1	1014.9	1022.0
30°	2269.0	2106.6	1926.0	1691.9	1417.5	1194.5	1022.0	931.2	881.8	862.6	863.6
32.5°	2446.6	2239.7	1999.6	1625.3	1281.3	1010.9	859.6	793.0	759.7	734.5	732.5
35°	2700.8	2442.5	2068.2	1518.4	1115.8	847.5	737.5	685.0	638.6	609.4	614.4
37.5°	3005.5	2697.8	2105.5	1374.1	930.2	720.3	645.7	592.2	539.8	496.4	501.4
40°	3366.7	3031.7	2102.5	1184.4	760.7	633.6	569.0	506.5	440.9	401.5	405.6
42.5°	3769.2	3347.5	2036.9	983.7	630.6	563.0	495.4	416.7	353.1	328.9	329.9
45°	4118.3	3603.7	1921.9	775.8	530.7	494.4	418.7	338.0	309.7	292.6	291.6
47.5°	4376.6	3791.4	1757.5	610.4	450.0	431.8	344.0	302.7	280.5	266.3	264.3
50°	4520.8	3857.0	1575.9	478.2	380.4	366.2	307.7	274.4	259.3	250.2	248.2
52.5°	4714.5	3935.7	1445.7	377.3	318.8	299.6	283.5	255.2	245.2	238.1	235.1
55°	5021.2	4088.0	1332.7	299.6	265.3	261.3	267.4	244.2	238.1	227.0	223.0
57.5°	4732.7	3672.4	1035.1	232.0	224.0	239.1	258.3	233.1	217.9	207.8	203.8
60°	3330.3	2441.5	520.6	186.6	199.8	224.0	243.1	210.9	195.7	197.7	195.7
62.5°	1836.2	1221.8	234.1	156.4	173.5	197.7	207.8	182.6	172.5	189.7	192.7
65°	600.3	415.7	135.2	121.1	137.2	161.4	179.6	173.5	171.5	191.7	197.7
67.5°	184.6	137.2	91.8	86.8	94.8	119.0	151.3	187.7	201.8	207.8	210.9
70°	138.2	108.0	78.7	73.6	77.7	90.8	128.1	156.4	147.3	148.3	146.3
72.5°	111.0	85.8	67.6	64.6	64.6	62.6	67.6	84.7	95.8	100.9	100.9
75°	77.7	60.5	51.5	47.4	37.3	30.3	27.2	27.2	24.2	23.2	22.2
77.5°	26.2	22.2	20.2	16.1	11.1	9.1	8.1	7.1	5.0	3.0	2.0
80°	4.0	3.0	2.0	2.0	2.0	1.0	1.0	1.0	0.0	0.0	0.0
82.5°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0
85°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0
87.5°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	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)