

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: P634891

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634891
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-SA3C-760-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE 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: 9121.4 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

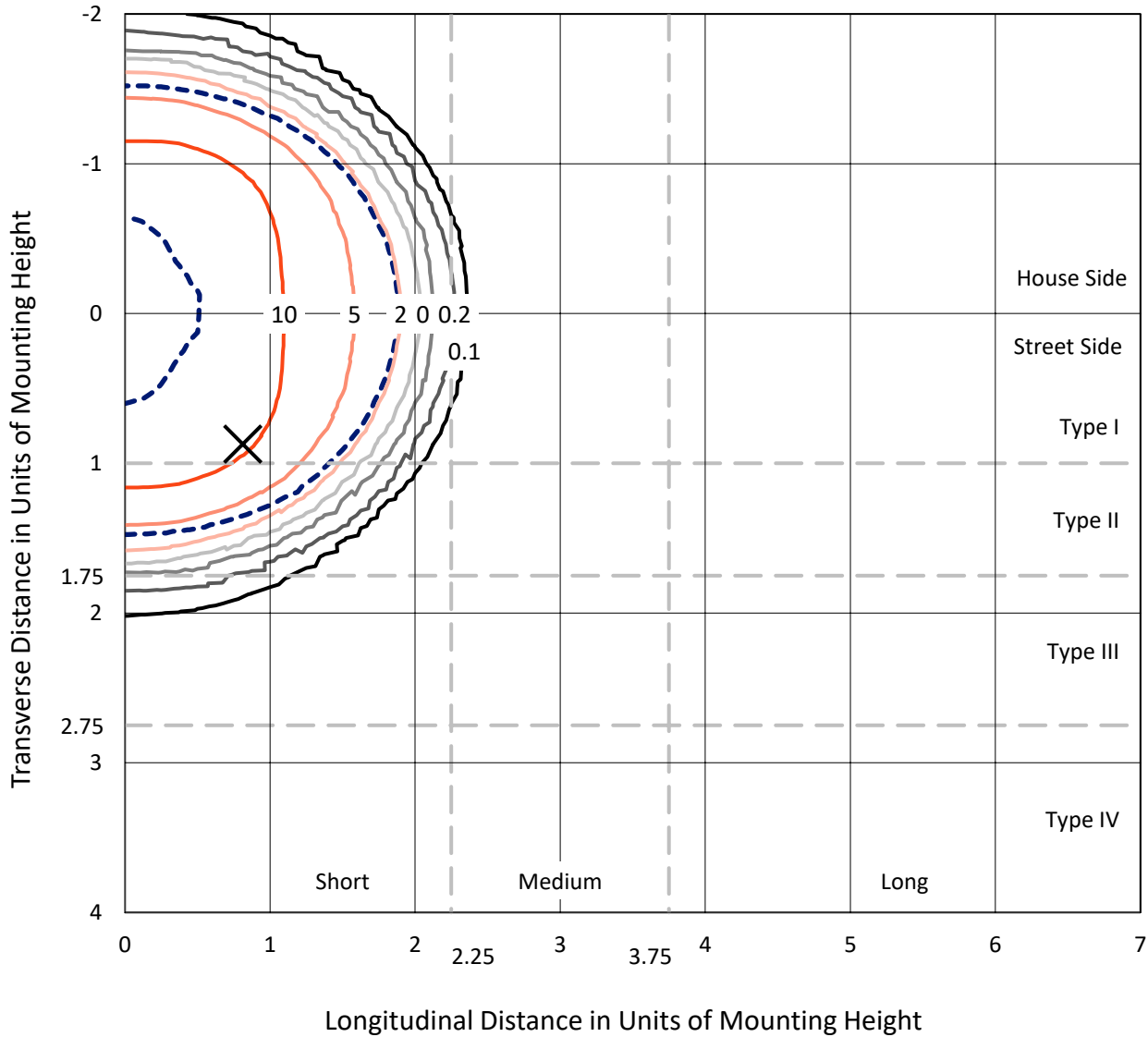
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634891
 CATALOG NUMBER: GWS-SA3C-760-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

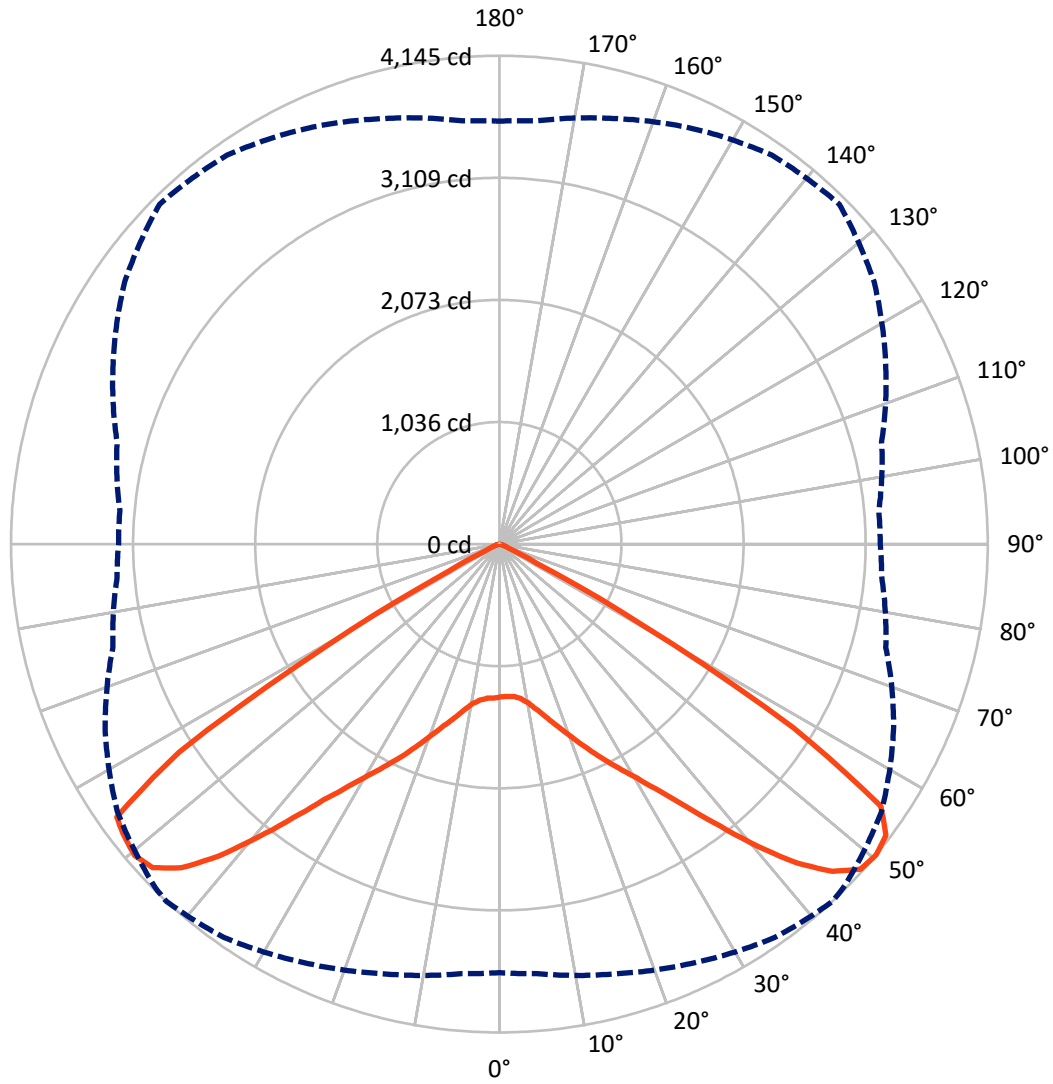
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.5 fc
 Type V - Short - N/A

REPORT NUMBER: P634891
CATALOG NUMBER: GWS-SA3C-760-U-RW-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634891
 CATALOG NUMBER: GWS-SA3C-760-U-RW-W-GRSBK

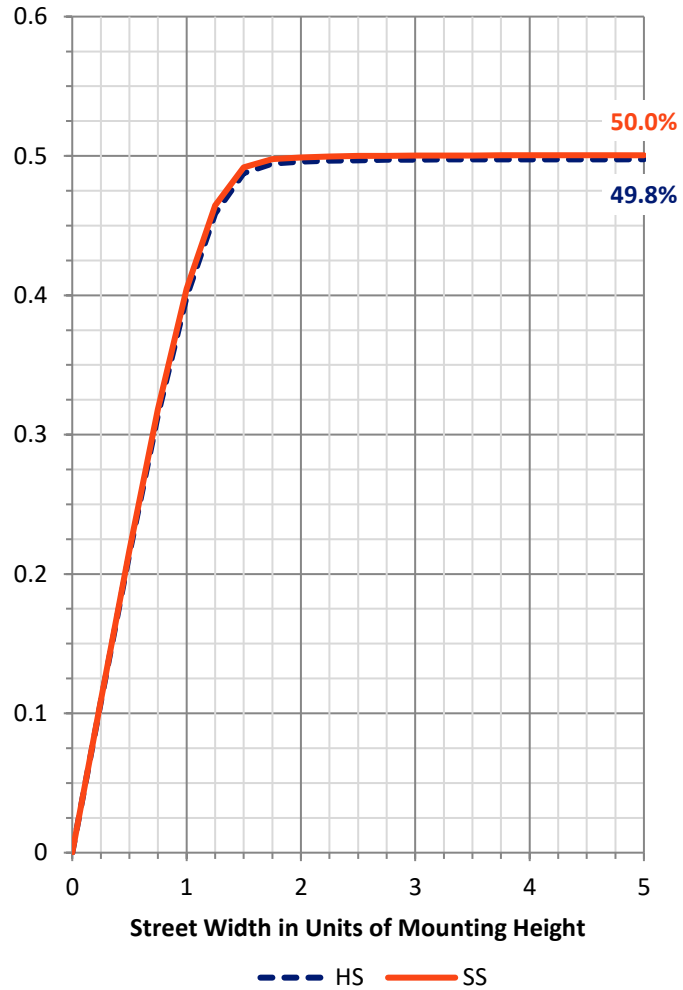
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4560.6	0.0	4560.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4560.8	0.0	4560.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	9121.4	0.0	9121.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.8	1.4
10°-20°	439.7	4.8
20°-30°	889.5	9.8
30°-40°	1650.4	18.1
40°-50°	2739.5	30.0
50°-60°	2795.8	30.7
60°-70°	458.5	5.0
70°-80°	20.1	0.2
80°-90°	0.3	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°	9121.4	100.0
0°-180°	9121.4	100.0

Coefficient of Utilization



REPORT NUMBER: P634891

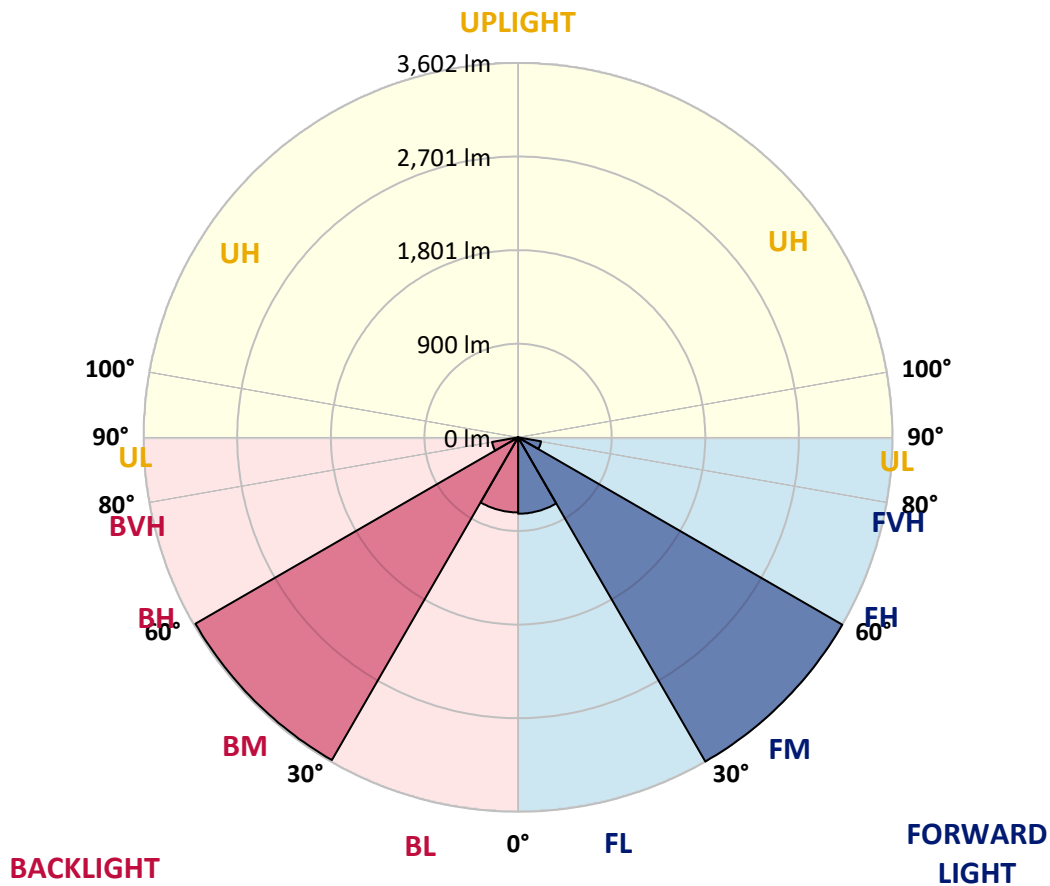
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	734.9	8.1			
FM (30°-60°)	3601.6	39.5			
FH (60°-80°)	224.3	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	722.1	7.9	B2/1000		
BM (30°-60°)	3584.1	39.3	B3/5000		
BH (60°-80°)	254.3	2.8	B1/500		G0/660
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





REPORT NUMBER: P634891

CATALOG NUMBER: GWS-SA3C-760-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1297.4	1297.4	1297.4	1297.4	1297.4	1297.4	1297.4	1297.4	1297.4	1297.4	1297.4
2.5°	1273.2	1276.2	1280.2	1284.3	1289.3	1294.3	1297.4	1306.5	1304.4	1312.5	1312.5
5°	1259.0	1262.1	1267.1	1276.2	1287.3	1298.4	1306.5	1324.6	1334.7	1350.8	1356.9
7.5°	1266.1	1270.1	1276.2	1290.3	1307.5	1324.6	1333.7	1362.9	1383.1	1413.4	1430.5
10°	1289.3	1293.3	1303.4	1327.6	1349.8	1374.0	1385.1	1422.5	1454.8	1496.1	1520.3
12.5°	1315.5	1320.6	1340.8	1377.1	1415.4	1447.7	1462.8	1504.2	1537.5	1583.9	1622.2
15°	1342.8	1350.8	1382.1	1435.6	1490.1	1533.4	1549.6	1594.0	1627.3	1676.7	1720.1
17.5°	1406.3	1415.4	1450.7	1508.2	1582.9	1633.3	1647.4	1693.9	1719.1	1752.4	1797.8
20°	1486.0	1503.2	1546.6	1616.2	1697.9	1746.3	1756.4	1801.8	1799.8	1813.9	1853.2
22.5°	1584.9	1597.0	1644.4	1727.1	1818.9	1872.4	1895.6	1914.8	1889.6	1877.5	1902.7
25°	1687.8	1701.9	1753.4	1844.2	1947.1	2008.6	2027.8	2042.9	2002.6	1957.2	1960.2
27.5°	1821.0	1831.1	1881.5	1978.3	2081.2	2150.9	2168.0	2194.2	2140.8	2068.1	2048.0
30°	1979.4	1989.4	2042.9	2144.8	2246.7	2306.2	2332.5	2364.7	2306.2	2215.4	2192.2
32.5°	2165.0	2175.1	2243.7	2348.6	2432.3	2496.9	2522.1	2556.4	2510.0	2408.1	2381.9
35°	2386.9	2393.0	2473.7	2587.7	2676.5	2739.0	2756.2	2796.5	2745.1	2643.2	2629.1
37.5°	2644.2	2651.2	2739.0	2871.2	2962.0	3031.6	3058.8	3069.9	3007.4	2893.4	2882.3
40°	2926.7	2949.9	3035.6	3177.9	3279.8	3367.5	3391.7	3354.4	3266.6	3111.3	3091.1
42.5°	3221.2	3241.4	3337.3	3491.6	3609.6	3699.4	3700.4	3619.7	3470.4	3255.5	3225.3
45°	3466.4	3474.5	3598.6	3753.9	3899.2	3962.7	3968.8	3822.5	3597.5	3339.3	3274.7
47.5°	3634.9	3648.0	3755.9	3905.2	4065.6	4123.2	4111.0	3928.4	3658.1	3393.8	3286.8
50°	3636.9	3659.1	3776.1	3920.4	4075.7	4145.3	4128.2	3958.7	3692.4	3395.8	3257.6
52.5°	3315.1	3351.4	3542.1	3750.9	3989.0	4108.0	4112.1	3998.1	3679.3	3363.5	3231.3
55°	2500.9	2540.3	2780.4	3136.5	3596.5	3928.4	3985.9	3951.6	3664.1	3377.6	3277.7
57.5°	1323.6	1293.3	1426.5	1779.6	2357.7	2944.8	3113.3	3387.7	3495.6	3394.8	3363.5
60°	288.5	307.7	409.6	551.8	920.1	1385.1	1549.6	2019.7	2578.6	2826.8	3006.4
62.5°	124.1	122.1	127.1	144.3	210.8	351.1	428.8	700.1	1104.7	1517.3	1796.8
65°	101.9	102.9	106.9	106.9	99.9	100.9	105.9	160.4	258.3	362.2	486.3
67.5°	76.7	77.7	84.7	86.8	81.7	72.6	71.6	60.5	63.6	79.7	82.7
70°	48.4	48.4	52.5	54.5	54.5	50.4	49.4	43.4	42.4	48.4	54.5
72.5°	26.2	26.2	28.2	29.3	28.2	27.2	27.2	26.2	25.2	29.3	37.3
75°	11.1	11.1	12.1	12.1	11.1	11.1	11.1	11.1	11.1	13.1	20.2
77.5°	2.0	3.0	4.0	3.0	2.0	2.0	2.0	3.0	3.0	4.0	6.1
80°	1.0	1.0	2.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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



REPORT NUMBER: P634891

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1297.4	1297.4	1297.4	1297.4	1297.4	1297.4	1297.4	1297.4	1297.4	1297.4	1297.4
2.5°	1319.6	1308.5	1312.5	1314.5	1311.5	1309.5	1298.4	1295.4	1290.3	1282.2	1280.2
5°	1364.0	1354.9	1353.9	1347.8	1333.7	1316.5	1295.4	1286.3	1276.2	1266.1	1264.1
7.5°	1438.6	1427.5	1420.5	1400.3	1368.0	1340.8	1305.4	1286.3	1273.2	1260.0	1257.0
10°	1534.5	1521.3	1501.2	1463.8	1420.5	1381.1	1339.7	1314.5	1294.3	1276.2	1275.2
12.5°	1636.3	1622.2	1585.9	1538.5	1486.0	1449.7	1397.3	1361.9	1331.7	1304.4	1301.4
15°	1743.3	1726.1	1676.7	1620.2	1571.8	1534.5	1476.9	1420.5	1374.0	1334.7	1330.7
17.5°	1825.0	1803.8	1745.3	1702.9	1663.6	1625.2	1560.7	1486.0	1424.5	1377.1	1366.0
20°	1876.5	1856.3	1800.8	1777.6	1759.4	1732.2	1655.5	1577.8	1509.2	1450.7	1440.6
22.5°	1925.9	1901.7	1853.2	1853.2	1867.4	1856.3	1773.5	1684.8	1604.1	1536.5	1521.3
25°	1981.4	1962.2	1927.9	1956.2	1991.5	1990.5	1905.7	1794.7	1701.9	1626.3	1611.1
27.5°	2062.1	2042.9	2030.8	2084.3	2128.7	2125.6	2032.8	1912.8	1814.9	1740.3	1726.1
30°	2204.3	2186.2	2173.1	2237.6	2294.1	2272.9	2171.0	2055.0	1956.2	1871.4	1861.3
32.5°	2394.0	2374.8	2357.7	2422.2	2472.7	2445.4	2348.6	2239.6	2125.6	2042.9	2022.7
35°	2643.2	2602.8	2585.7	2662.3	2683.5	2653.3	2560.4	2464.6	2343.5	2248.7	2235.6
37.5°	2900.4	2853.0	2840.9	2907.5	2941.8	2930.7	2821.7	2721.9	2590.7	2485.8	2470.7
40°	3120.4	3077.0	3055.8	3159.7	3237.4	3244.4	3146.6	3024.5	2870.2	2761.2	2734.0
42.5°	3249.5	3212.2	3207.1	3368.5	3495.6	3586.4	3469.4	3343.3	3180.9	3057.8	3035.6
45°	3278.7	3254.5	3296.9	3508.8	3706.5	3871.9	3772.1	3638.9	3463.4	3333.2	3312.0
47.5°	3275.7	3267.6	3343.3	3581.4	3831.6	4035.4	3985.9	3835.6	3666.1	3529.9	3509.8
50°	3232.3	3233.3	3359.5	3617.7	3882.0	4079.8	4030.3	3891.1	3739.8	3605.6	3589.5
52.5°	3215.2	3209.1	3329.2	3606.6	3933.5	4059.6	3948.6	3792.2	3623.8	3458.3	3434.1
55°	3275.7	3260.6	3333.2	3597.5	3939.5	4048.5	3755.9	3417.0	3071.9	2876.2	2860.1
57.5°	3366.5	3350.4	3384.7	3531.0	3623.8	3366.5	2764.2	2217.4	1862.3	1712.0	1646.4
60°	3006.4	2995.3	2969.0	2792.5	2395.0	1806.8	1230.8	784.9	563.9	456.0	456.0
62.5°	1865.4	1850.2	1708.0	1269.1	922.1	533.7	293.6	183.6	139.2	130.1	129.1
65°	523.6	520.6	430.8	304.7	193.7	120.1	105.9	107.9	105.9	102.9	101.9
67.5°	78.7	86.8	86.8	70.6	67.6	75.7	88.8	94.8	89.8	84.7	82.7
70°	50.4	54.5	52.5	45.4	48.4	56.5	63.6	64.6	61.5	56.5	55.5
72.5°	35.3	39.3	32.3	29.3	30.3	33.3	36.3	36.3	35.3	33.3	31.3
75°	21.2	21.2	15.1	14.1	14.1	15.1	15.1	17.2	17.2	16.1	15.1
77.5°	7.1	8.1	5.0	4.0	4.0	4.0	5.0	6.1	6.1	5.0	4.0
80°	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0
82.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
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

(END OF REPORT)