

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: P641491

Luminaire Tested: GWS-SA6B-722-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641491
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-SA6B-722-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10107.9 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

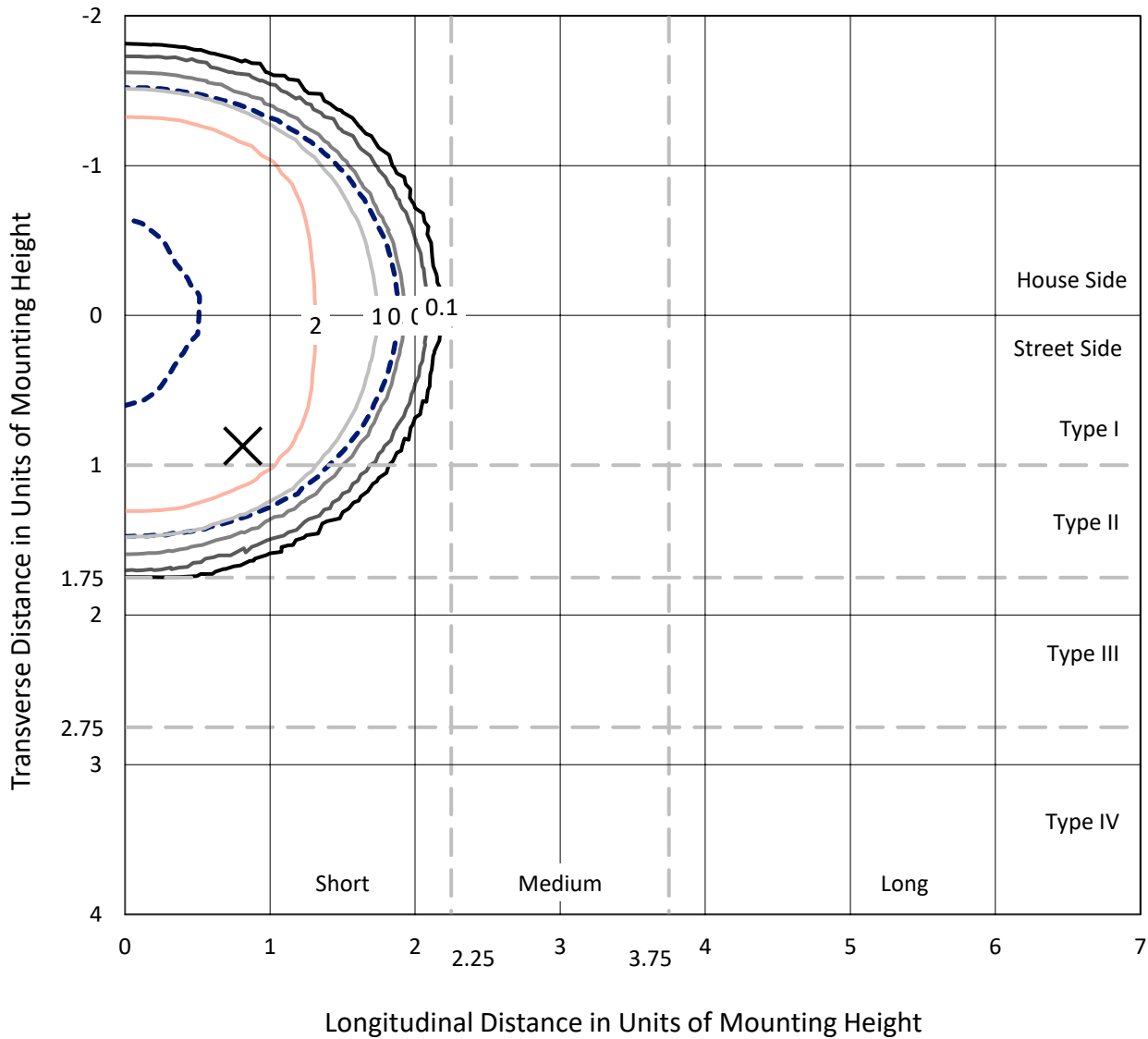
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

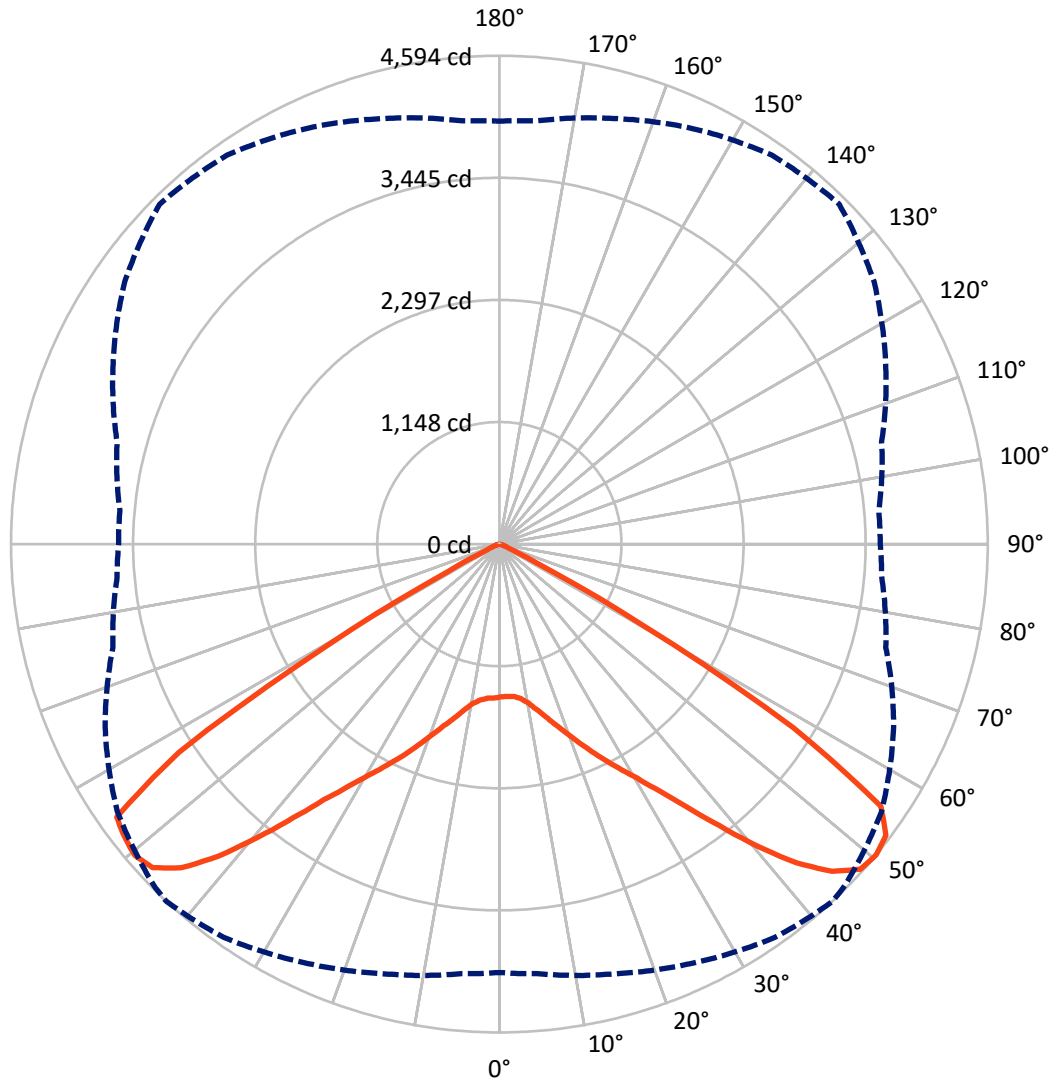
✕ Max cd
 - - - 1/2 Max cd



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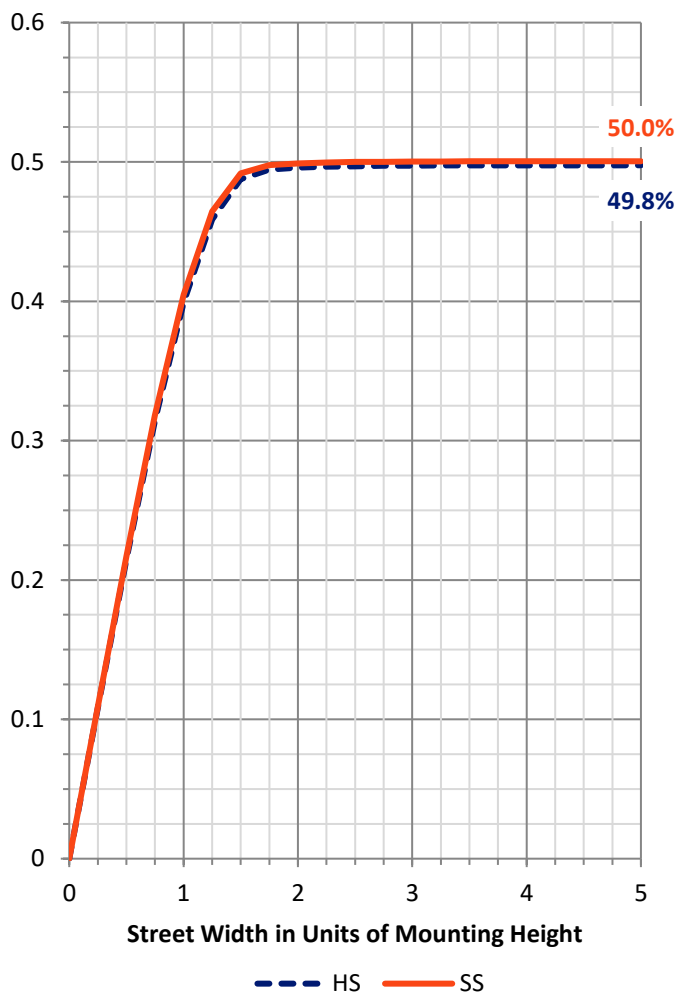
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5053.8	0.0	5053.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5054.1	0.0	5054.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	10107.9	0.0	10107.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.6	1.4
10°-20°	487.2	4.8
20°-30°	985.7	9.8
30°-40°	1828.8	18.1
40°-50°	3035.8	30.0
50°-60°	3098.1	30.7
60°-70°	508.1	5.0
70°-80°	22.2	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°	10107.9	100.0
0°-180°	10107.9	100.0

Coefficient of Utilization



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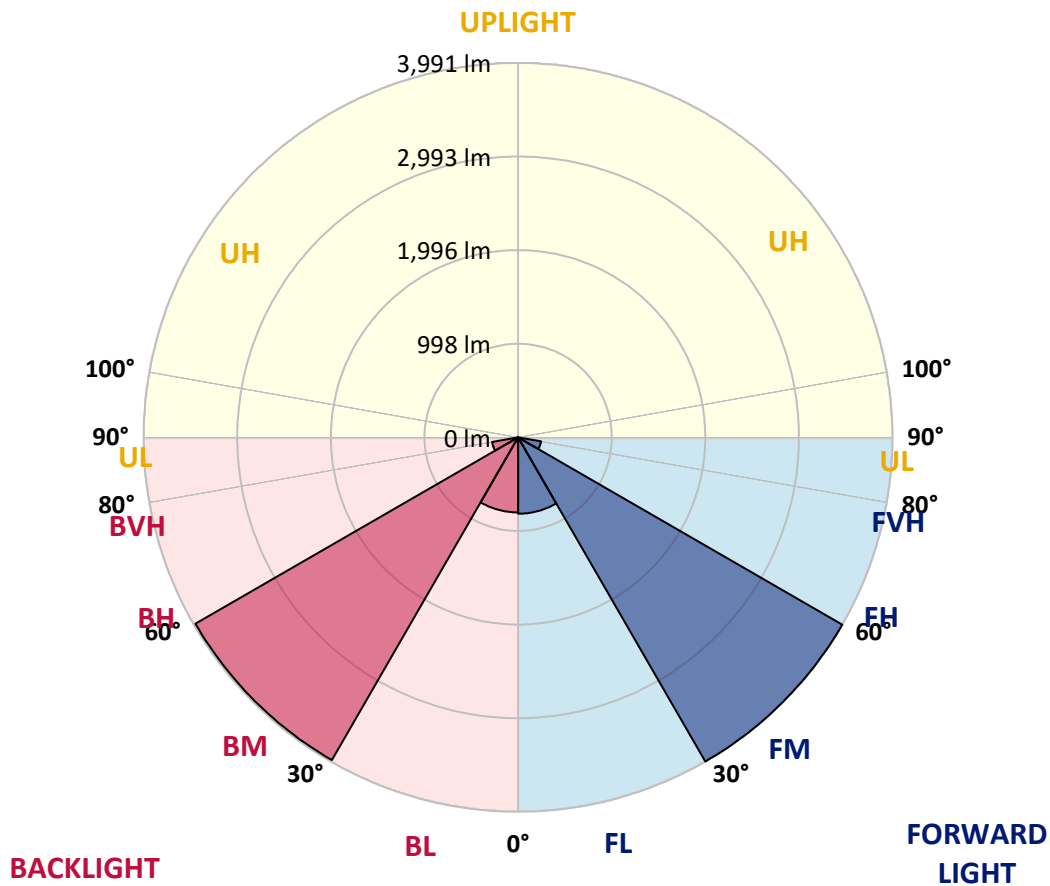
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	814.3	8.1			
FM (30°-60°)	3991.1	39.5			
FH (60°-80°)	248.6	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	800.2	7.9	B2/1000		
BM (30°-60°)	3971.7	39.3	B3/5000		
BH (60°-80°)	281.8	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7
2.5°	1410.9	1414.2	1418.7	1423.2	1428.7	1434.3	1437.7	1447.8	1445.5	1454.5	1454.5
5°	1395.2	1398.6	1404.2	1414.2	1426.5	1438.8	1447.8	1467.9	1479.1	1496.9	1503.6
7.5°	1403.0	1407.5	1414.2	1429.9	1448.9	1467.9	1477.9	1510.4	1532.7	1566.3	1585.3
10°	1428.7	1433.2	1444.4	1471.2	1495.8	1522.7	1535.0	1576.3	1612.1	1657.9	1684.8
12.5°	1457.8	1463.4	1485.8	1526.0	1568.5	1604.3	1621.0	1666.9	1703.8	1755.2	1797.7
15°	1488.0	1496.9	1531.6	1590.8	1651.2	1699.3	1717.2	1766.4	1803.3	1858.0	1906.1
17.5°	1558.4	1568.5	1607.6	1671.3	1754.1	1810.0	1825.6	1877.0	1905.0	1941.9	1992.2
20°	1646.7	1665.8	1713.8	1791.0	1881.5	1935.2	1946.4	1996.7	1994.4	2010.1	2053.7
22.5°	1756.3	1769.7	1822.3	1913.9	2015.7	2074.9	2100.6	2121.9	2093.9	2080.5	2108.5
25°	1870.3	1886.0	1943.0	2043.6	2157.7	2225.8	2247.1	2263.9	2219.1	2168.8	2172.2
27.5°	2017.9	2029.1	2085.0	2192.3	2306.3	2383.5	2402.5	2431.6	2372.3	2291.8	2269.4
30°	2193.4	2204.6	2263.9	2376.8	2489.7	2555.6	2584.7	2620.5	2555.6	2455.0	2429.3
32.5°	2399.1	2410.3	2486.3	2602.6	2695.4	2766.9	2794.9	2832.9	2781.5	2668.6	2639.5
35°	2645.1	2651.8	2741.2	2867.6	2965.9	3035.2	3054.3	3099.0	3042.0	2929.0	2913.4
37.5°	2930.2	2938.0	3035.2	3181.7	3282.3	3359.5	3389.6	3401.9	3332.6	3206.3	3194.0
40°	3243.2	3268.9	3363.9	3521.6	3634.5	3731.7	3758.6	3717.2	3619.9	3447.8	3425.4
42.5°	3569.6	3592.0	3698.2	3869.2	4000.0	4099.5	4100.7	4011.2	3845.8	3607.6	3574.1
45°	3841.3	3850.2	3987.7	4159.9	4320.9	4391.3	4398.0	4235.9	3986.6	3700.4	3628.9
47.5°	4028.0	4042.5	4162.1	4327.6	4505.4	4569.1	4555.7	4353.3	4053.7	3760.8	3642.3
50°	4030.2	4054.8	4184.5	4344.4	4516.5	4593.7	4574.7	4386.9	4091.7	3763.0	3609.9
52.5°	3673.6	3713.8	3925.1	4156.6	4420.4	4552.3	4556.8	4430.5	4077.2	3727.3	3580.8
55°	2771.4	2815.0	3081.1	3475.7	3985.5	4353.3	4417.0	4379.0	4060.4	3742.9	3632.2
57.5°	1466.8	1433.2	1580.8	1972.1	2612.7	3263.3	3450.0	3754.1	3873.7	3761.9	3727.3
60°	319.7	341.0	453.9	611.5	1019.6	1535.0	1717.2	2238.1	2857.5	3132.5	3331.5
62.5°	137.5	135.3	140.9	159.9	233.7	389.0	475.1	775.9	1224.2	1681.4	1991.1
65°	112.9	114.0	118.5	118.5	110.7	111.8	117.4	177.8	286.2	401.3	538.9
67.5°	85.0	86.1	93.9	96.1	90.6	80.5	79.4	67.1	70.4	88.3	91.7
70°	53.7	53.7	58.1	60.4	60.4	55.9	54.8	48.1	47.0	53.7	60.4
72.5°	29.1	29.1	31.3	32.4	31.3	30.2	30.2	29.1	27.9	32.4	41.4
75°	12.3	12.3	13.4	13.4	12.3	12.3	12.3	12.3	12.3	14.5	22.4
77.5°	2.2	3.4	4.5	3.4	2.2	2.2	2.2	3.4	3.4	4.5	6.7
80°	1.1	1.1	2.2	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
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°	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7	1437.7
2.5°	1462.3	1450.0	1454.5	1456.7	1453.3	1451.1	1438.8	1435.5	1429.9	1420.9	1418.7
5°	1511.5	1501.4	1500.3	1493.6	1477.9	1458.9	1435.5	1425.4	1414.2	1403.0	1400.8
7.5°	1594.2	1581.9	1574.1	1551.7	1515.9	1485.8	1446.6	1425.4	1410.9	1396.3	1393.0
10°	1700.4	1685.9	1663.5	1622.2	1574.1	1530.5	1484.6	1456.7	1434.3	1414.2	1413.1
12.5°	1813.3	1797.7	1757.4	1704.9	1646.7	1606.5	1548.4	1509.2	1475.7	1445.5	1442.2
15°	1931.8	1912.8	1858.0	1795.4	1741.8	1700.4	1636.7	1574.1	1522.7	1479.1	1474.6
17.5°	2022.4	1998.9	1934.1	1887.1	1843.5	1801.0	1729.5	1646.7	1578.6	1526.0	1513.7
20°	2079.4	2057.0	1995.5	1969.8	1949.7	1919.5	1834.6	1748.5	1672.5	1607.6	1596.4
22.5°	2134.2	2107.3	2053.7	2053.7	2069.3	2057.0	1965.4	1867.0	1777.5	1702.6	1685.9
25°	2195.7	2174.4	2136.4	2167.7	2206.8	2205.7	2111.8	1988.8	1886.0	1802.1	1785.4
27.5°	2285.1	2263.9	2250.4	2309.7	2358.9	2355.5	2252.7	2119.6	2011.2	1928.5	1912.8
30°	2442.7	2422.6	2408.1	2479.6	2542.2	2518.8	2405.8	2277.3	2167.7	2073.8	2062.6
32.5°	2652.9	2631.7	2612.7	2684.2	2740.1	2709.9	2602.6	2481.9	2355.5	2263.9	2241.5
35°	2929.0	2884.3	2865.3	2950.3	2973.8	2940.2	2837.4	2731.2	2597.0	2491.9	2477.4
37.5°	3214.1	3161.6	3148.2	3221.9	3260.0	3247.7	3126.9	3016.2	2870.9	2754.6	2737.9
40°	3457.8	3409.8	3386.3	3501.4	3587.5	3595.3	3486.9	3351.6	3180.6	3059.8	3029.7
42.5°	3600.9	3559.6	3554.0	3732.8	3873.7	3974.3	3844.6	3704.9	3524.9	3388.5	3363.9
45°	3633.4	3606.5	3653.5	3888.2	4107.4	4290.7	4180.0	4032.5	3837.9	3693.7	3670.2
47.5°	3630.0	3621.1	3704.9	3968.7	4246.0	4471.8	4417.0	4250.5	4062.6	3911.7	3889.4
50°	3581.9	3583.0	3722.8	4009.0	4301.9	4521.0	4466.2	4311.9	4144.3	3995.6	3977.7
52.5°	3562.9	3556.2	3689.2	3996.7	4358.9	4498.6	4375.7	4202.4	4015.7	3832.3	3805.5
55°	3630.0	3613.2	3693.7	3986.6	4365.6	4486.3	4162.1	3786.5	3404.2	3187.3	3169.4
57.5°	3730.6	3712.7	3750.7	3912.8	4015.7	3730.6	3063.2	2457.3	2063.7	1897.2	1824.5
60°	3331.5	3319.2	3290.1	3094.5	2654.0	2002.3	1363.9	869.8	624.9	505.3	505.3
62.5°	2067.1	2050.3	1892.7	1406.4	1021.8	591.4	325.3	203.5	154.3	144.2	143.1
65°	580.2	576.9	477.4	337.6	214.6	133.0	117.4	119.6	117.4	114.0	112.9
67.5°	87.2	96.1	96.1	78.3	74.9	83.8	98.4	105.1	99.5	93.9	91.7
70°	55.9	60.4	58.1	50.3	53.7	62.6	70.4	71.5	68.2	62.6	61.5
72.5°	39.1	43.6	35.8	32.4	33.5	36.9	40.2	40.2	39.1	36.9	34.7
75°	23.5	23.5	16.8	15.7	15.7	16.8	16.8	19.0	19.0	17.9	16.8
77.5°	7.8	8.9	5.6	4.5	4.5	4.5	5.6	6.7	6.7	5.6	4.5
80°	1.1	2.2	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	1.1
82.5°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
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)