

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: P641931

Luminaire Tested: GWS-SA6B-830-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641931
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-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10900.9 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

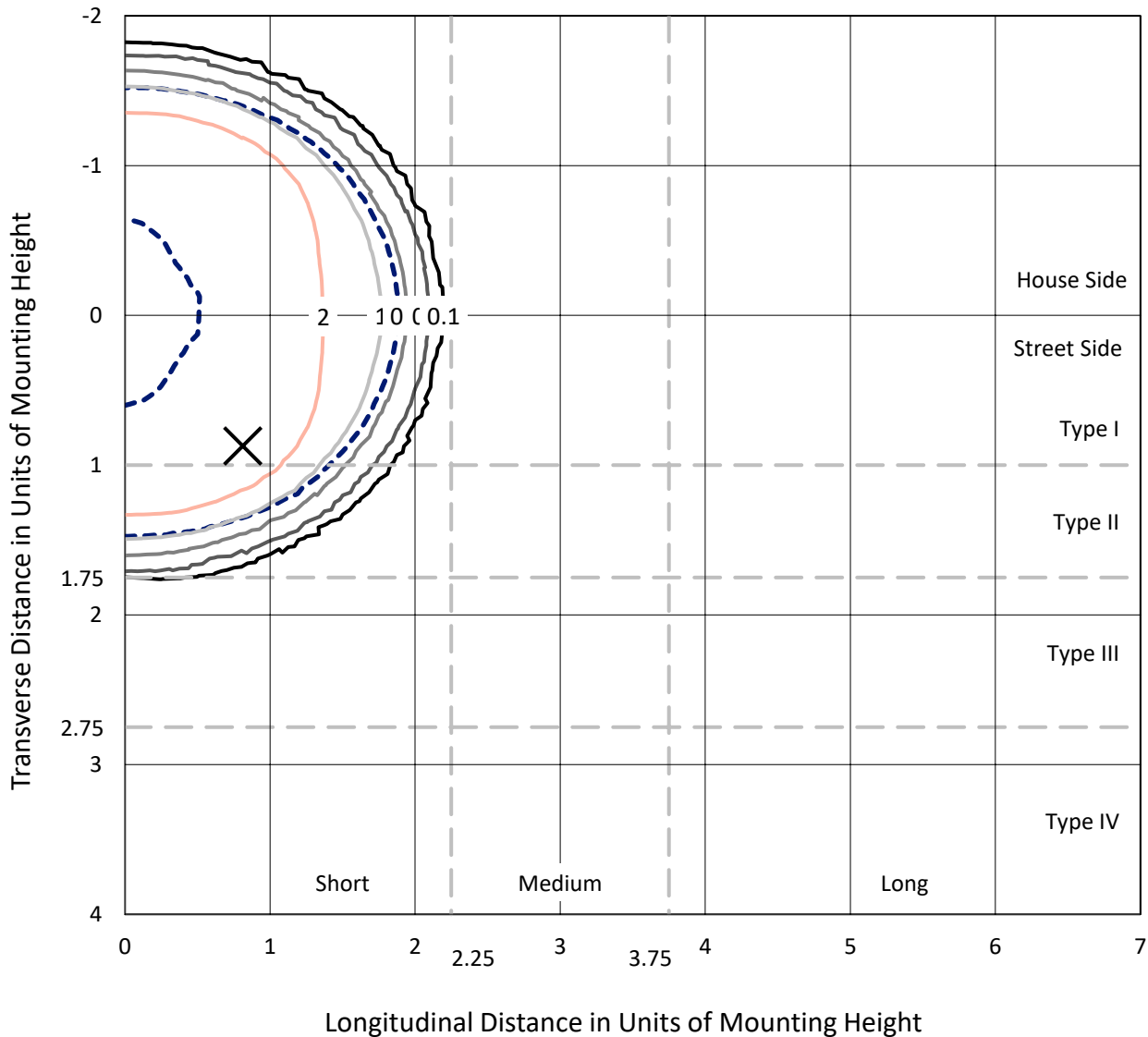
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

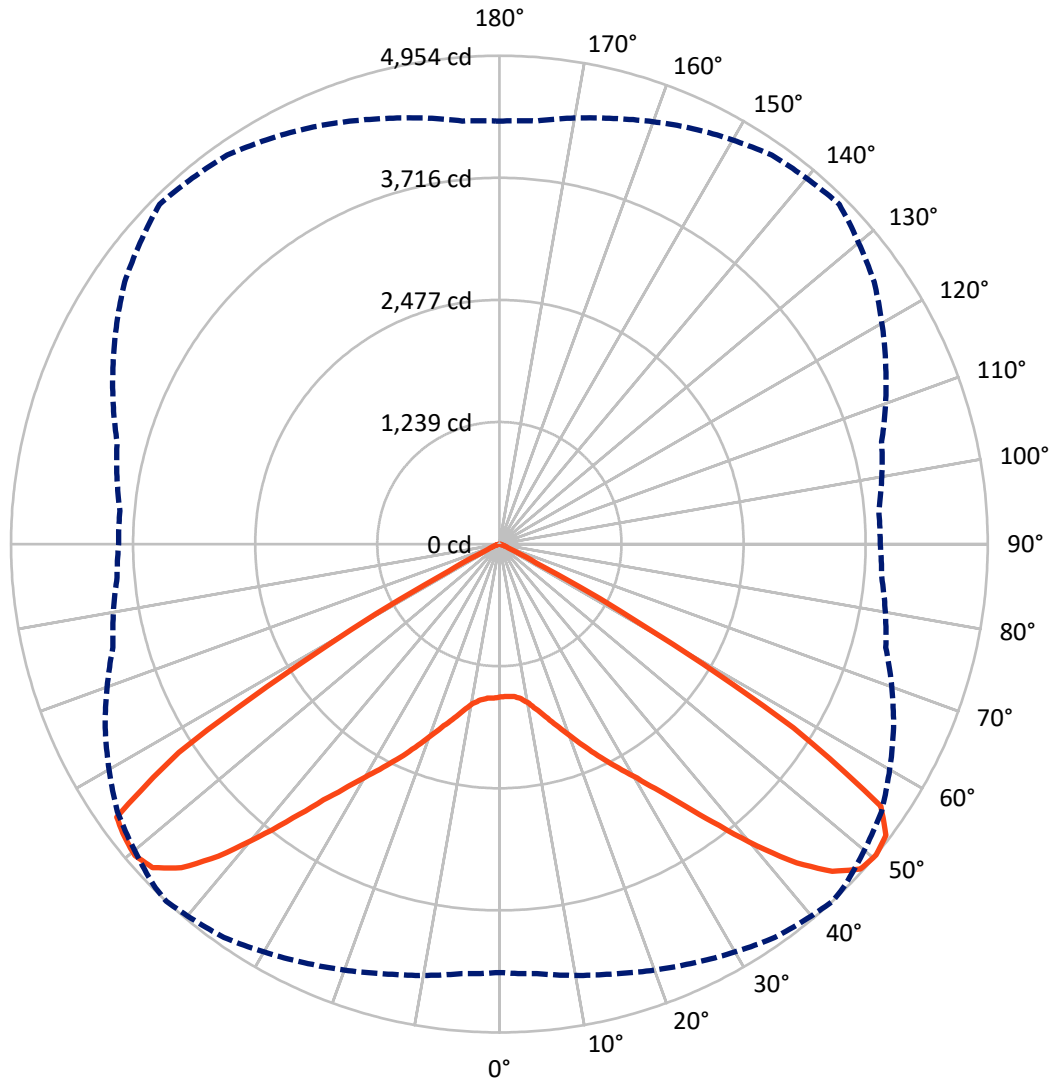
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.6 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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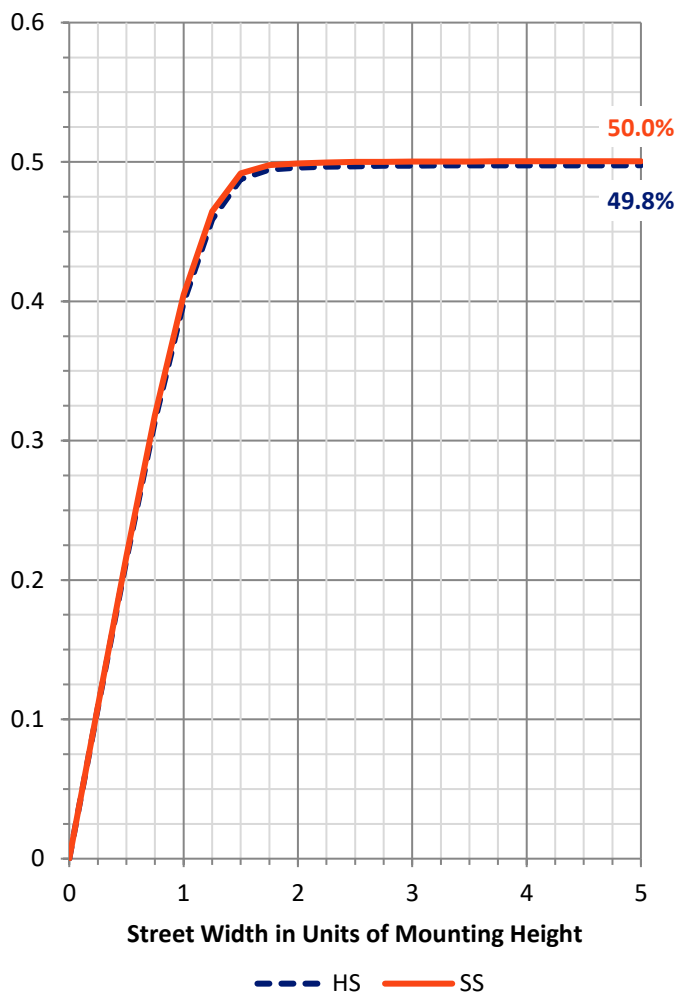
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5450.3	0.0	5450.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5450.6	0.0	5450.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	10900.9	0.0	10900.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.7	1.4
10°-20°	525.4	4.8
20°-30°	1063.1	9.8
30°-40°	1972.3	18.1
40°-50°	3274.0	30.0
50°-60°	3341.2	30.7
60°-70°	547.9	5.0
70°-80°	24.0	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°	10900.9	100.0
0°-180°	10900.9	100.0

Coefficient of Utilization



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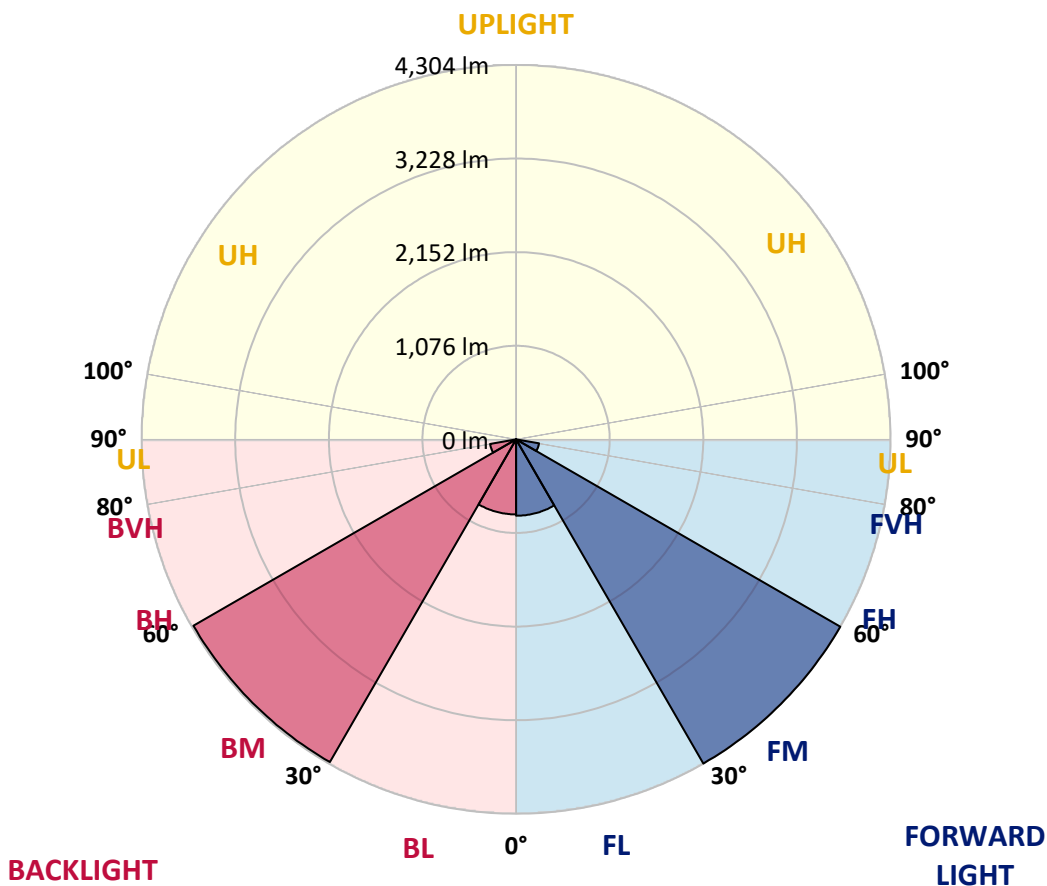
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	878.2	8.1			
FM (30°-60°)	4304.2	39.5			
FH (60°-80°)	268.0	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	863.0	7.9	B2/1000		
BM (30°-60°)	4283.3	39.3	B3/5000		
BH (60°-80°)	303.9	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°	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5
2.5°	1521.5	1525.2	1530.0	1534.8	1540.8	1546.9	1550.5	1561.3	1558.9	1568.6	1568.6
5°	1504.7	1508.3	1514.3	1525.2	1538.4	1551.7	1561.3	1583.0	1595.1	1614.4	1621.6
7.5°	1513.1	1517.9	1525.2	1542.0	1562.5	1583.0	1593.9	1628.8	1653.0	1689.1	1709.6
10°	1540.8	1545.7	1557.7	1586.7	1613.2	1642.1	1655.4	1700.0	1738.6	1788.0	1816.9
12.5°	1572.2	1578.2	1602.3	1645.7	1691.5	1730.1	1748.2	1797.6	1837.4	1892.9	1938.7
15°	1604.7	1614.4	1651.8	1715.7	1780.8	1832.6	1851.9	1904.9	1944.7	2003.8	2055.7
17.5°	1680.7	1691.5	1733.7	1802.5	1891.7	1952.0	1968.8	2024.3	2054.4	2094.2	2148.5
20°	1775.9	1796.4	1848.3	1931.5	2029.1	2087.0	2099.1	2153.3	2150.9	2167.8	2214.8
22.5°	1894.1	1908.6	1965.2	2064.1	2173.8	2237.7	2265.4	2288.3	2258.2	2243.7	2273.9
25°	2017.1	2034.0	2095.4	2203.9	2326.9	2400.5	2423.4	2441.5	2393.2	2339.0	2342.6
27.5°	2176.2	2188.3	2248.6	2364.3	2487.3	2570.5	2591.0	2622.3	2558.4	2471.6	2447.5
30°	2365.5	2377.6	2441.5	2563.2	2685.0	2756.1	2787.5	2826.1	2756.1	2647.6	2619.9
32.5°	2587.3	2599.4	2681.4	2806.8	2906.8	2984.0	3014.2	3055.1	2999.7	2877.9	2846.6
35°	2852.6	2859.8	2956.3	3092.5	3198.6	3273.4	3293.9	3342.1	3280.6	3158.8	3142.0
37.5°	3160.0	3168.5	3273.4	3431.3	3539.8	3623.0	3655.6	3668.8	3594.1	3457.8	3444.6
40°	3497.6	3525.4	3627.8	3797.8	3919.6	4024.5	4053.4	4008.8	3903.9	3718.3	3694.1
42.5°	3849.7	3873.8	3988.3	4172.8	4313.9	4421.2	4422.4	4325.9	4147.5	3890.7	3854.5
45°	4142.7	4152.3	4300.6	4486.3	4659.9	4735.8	4743.1	4568.3	4299.4	3990.7	3913.6
47.5°	4344.0	4359.7	4488.7	4667.1	4858.8	4927.5	4913.1	4694.8	4371.7	4055.8	3928.0
50°	4346.4	4372.9	4512.8	4685.2	4870.9	4954.1	4933.6	4731.0	4412.7	4058.3	3893.1
52.5°	3961.8	4005.2	4233.1	4482.6	4767.2	4909.5	4914.3	4778.0	4397.0	4019.7	3861.7
55°	2988.8	3035.9	3322.8	3748.4	4298.2	4694.8	4763.6	4722.6	4379.0	4036.6	3917.2
57.5°	1581.8	1545.7	1704.8	2126.8	2817.6	3519.3	3720.7	4048.6	4177.6	4057.1	4019.7
60°	344.8	367.7	489.5	659.5	1099.6	1655.4	1851.9	2413.7	3081.7	3378.3	3592.9
62.5°	148.3	145.9	151.9	172.4	252.0	419.6	512.4	836.7	1320.2	1813.3	2147.3
65°	121.8	123.0	127.8	127.8	119.4	120.6	126.6	191.7	308.6	432.8	581.1
67.5°	91.6	92.8	101.3	103.7	97.7	86.8	85.6	72.3	76.0	95.2	98.9
70°	57.9	57.9	62.7	65.1	65.1	60.3	59.1	51.8	50.6	57.9	65.1
72.5°	31.3	31.3	33.8	35.0	33.8	32.6	32.6	31.3	30.1	35.0	44.6
75°	13.3	13.3	14.5	14.5	13.3	13.3	13.3	13.3	13.3	15.7	24.1
77.5°	2.4	3.6	4.8	3.6	2.4	2.4	2.4	3.6	3.6	4.8	7.2
80°	1.2	1.2	2.4	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
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°	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5
2.5°	1577.0	1563.7	1568.6	1571.0	1567.4	1564.9	1551.7	1548.1	1542.0	1532.4	1530.0
5°	1630.1	1619.2	1618.0	1610.8	1593.9	1573.4	1548.1	1537.2	1525.2	1513.1	1510.7
7.5°	1719.3	1706.0	1697.6	1673.5	1634.9	1602.3	1560.1	1537.2	1521.5	1505.9	1502.3
10°	1833.8	1818.1	1794.0	1749.4	1697.6	1650.6	1601.1	1571.0	1546.9	1525.2	1524.0
12.5°	1955.6	1938.7	1895.3	1838.6	1775.9	1732.5	1669.8	1627.6	1591.5	1558.9	1555.3
15°	2083.4	2062.9	2003.8	1936.3	1878.4	1833.8	1765.1	1697.6	1642.1	1595.1	1590.3
17.5°	2181.0	2155.7	2085.8	2035.2	1988.1	1942.3	1865.2	1775.9	1702.4	1645.7	1632.5
20°	2242.5	2218.4	2152.1	2124.4	2102.7	2070.1	1978.5	1885.7	1803.7	1733.7	1721.7
22.5°	2301.6	2272.7	2214.8	2214.8	2231.7	2218.4	2119.6	2013.5	1917.0	1836.2	1818.1
25°	2367.9	2345.0	2304.0	2337.8	2380.0	2378.8	2277.5	2144.9	2034.0	1943.5	1925.4
27.5°	2464.4	2441.5	2427.0	2490.9	2543.9	2540.3	2429.4	2285.9	2169.0	2079.8	2062.9
30°	2634.4	2612.7	2597.0	2674.2	2741.7	2716.4	2594.6	2455.9	2337.8	2236.5	2224.4
32.5°	2861.0	2838.1	2817.6	2894.8	2955.1	2922.5	2806.8	2676.6	2540.3	2441.5	2417.4
35°	3158.8	3110.6	3090.1	3181.7	3207.1	3170.9	3060.0	2945.4	2800.8	2687.4	2671.7
37.5°	3466.3	3409.6	3395.1	3474.7	3515.7	3502.4	3372.2	3252.9	3096.1	2970.7	2952.7
40°	3729.1	3677.3	3651.9	3776.1	3869.0	3877.4	3760.5	3614.6	3430.1	3299.9	3267.3
42.5°	3883.4	3838.8	3832.8	4025.7	4177.6	4286.1	4146.3	3995.6	3801.5	3654.4	3627.8
45°	3918.4	3889.5	3940.1	4193.3	4429.6	4627.3	4508.0	4348.8	4139.0	3983.5	3958.2
47.5°	3914.8	3905.1	3995.6	4280.1	4579.1	4822.6	4763.6	4583.9	4381.4	4218.6	4194.5
50°	3862.9	3864.1	4014.9	4323.5	4639.4	4875.7	4816.6	4650.2	4469.4	4309.0	4289.7
52.5°	3842.4	3835.2	3978.7	4310.2	4700.9	4851.6	4719.0	4532.1	4330.7	4133.0	4104.1
55°	3914.8	3896.7	3983.5	4299.4	4708.1	4838.3	4488.7	4083.6	3671.2	3437.3	3418.1
57.5°	4023.3	4004.0	4045.0	4219.8	4330.7	4023.3	3303.5	2650.0	2225.7	2046.0	1967.6
60°	3592.9	3579.6	3548.3	3337.3	2862.2	2159.3	1470.9	938.0	674.0	545.0	545.0
62.5°	2229.3	2211.2	2041.2	1516.7	1102.0	637.8	350.8	219.4	166.4	155.5	154.3
65°	625.7	622.1	514.8	364.1	231.5	143.5	126.6	129.0	126.6	123.0	121.8
67.5°	94.0	103.7	103.7	84.4	80.8	90.4	106.1	113.3	107.3	101.3	98.9
70°	60.3	65.1	62.7	54.3	57.9	67.5	76.0	77.2	73.5	67.5	66.3
72.5°	42.2	47.0	38.6	35.0	36.2	39.8	43.4	43.4	42.2	39.8	37.4
75°	25.3	25.3	18.1	16.9	16.9	18.1	18.1	20.5	20.5	19.3	18.1
77.5°	8.4	9.6	6.0	4.8	4.8	4.8	6.0	7.2	7.2	6.0	4.8
80°	1.2	2.4	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	1.2
82.5°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
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)