

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: P635166

Luminaire Tested: GWS-SA3D-730-U-RW-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635166  
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-SA3D-730-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) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

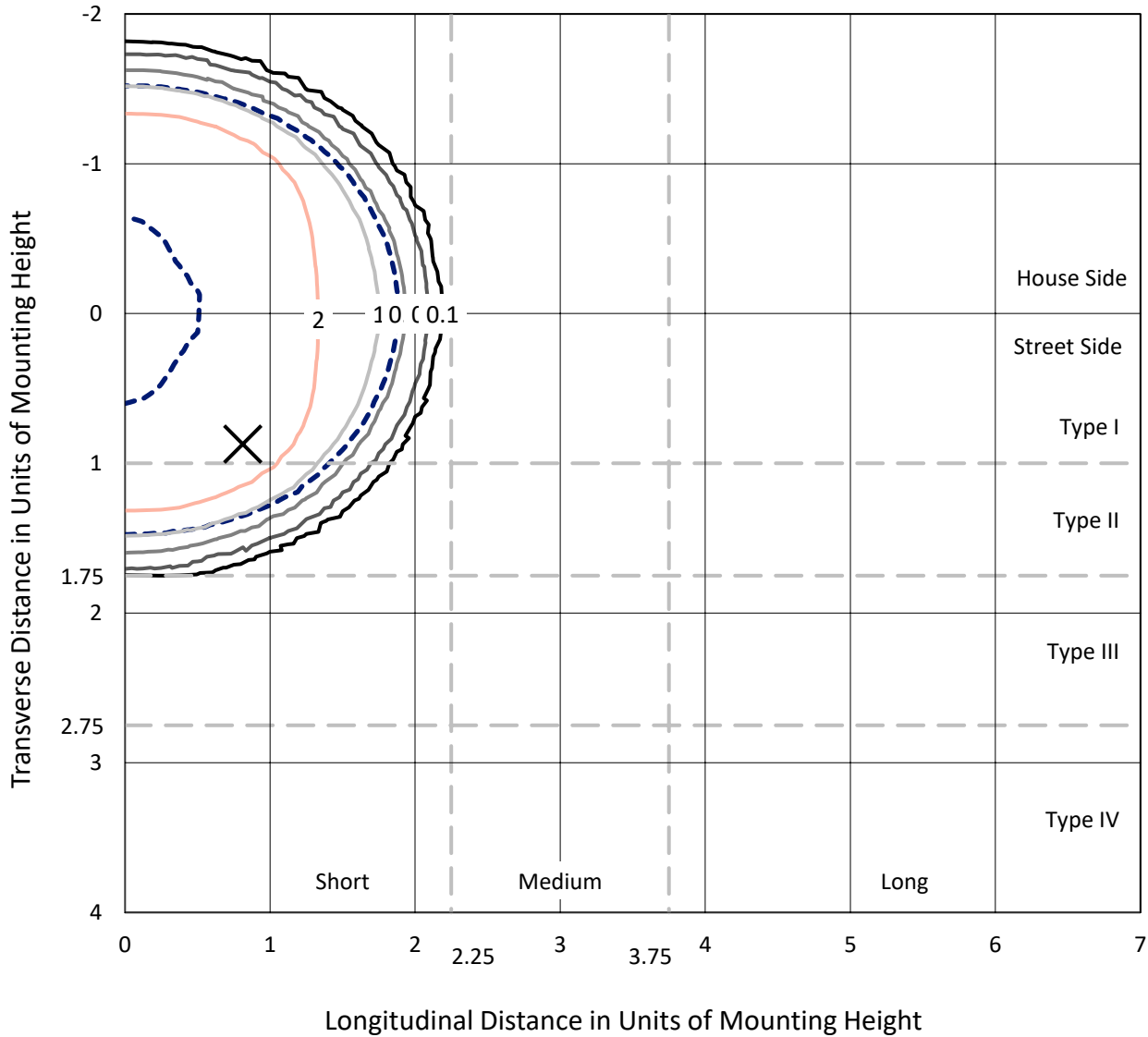
Lumens per Lamp: N/A  
Luminaire Lumens: 10386.3 lumens  
Efficiency: N/A  
Efficacy: 86.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

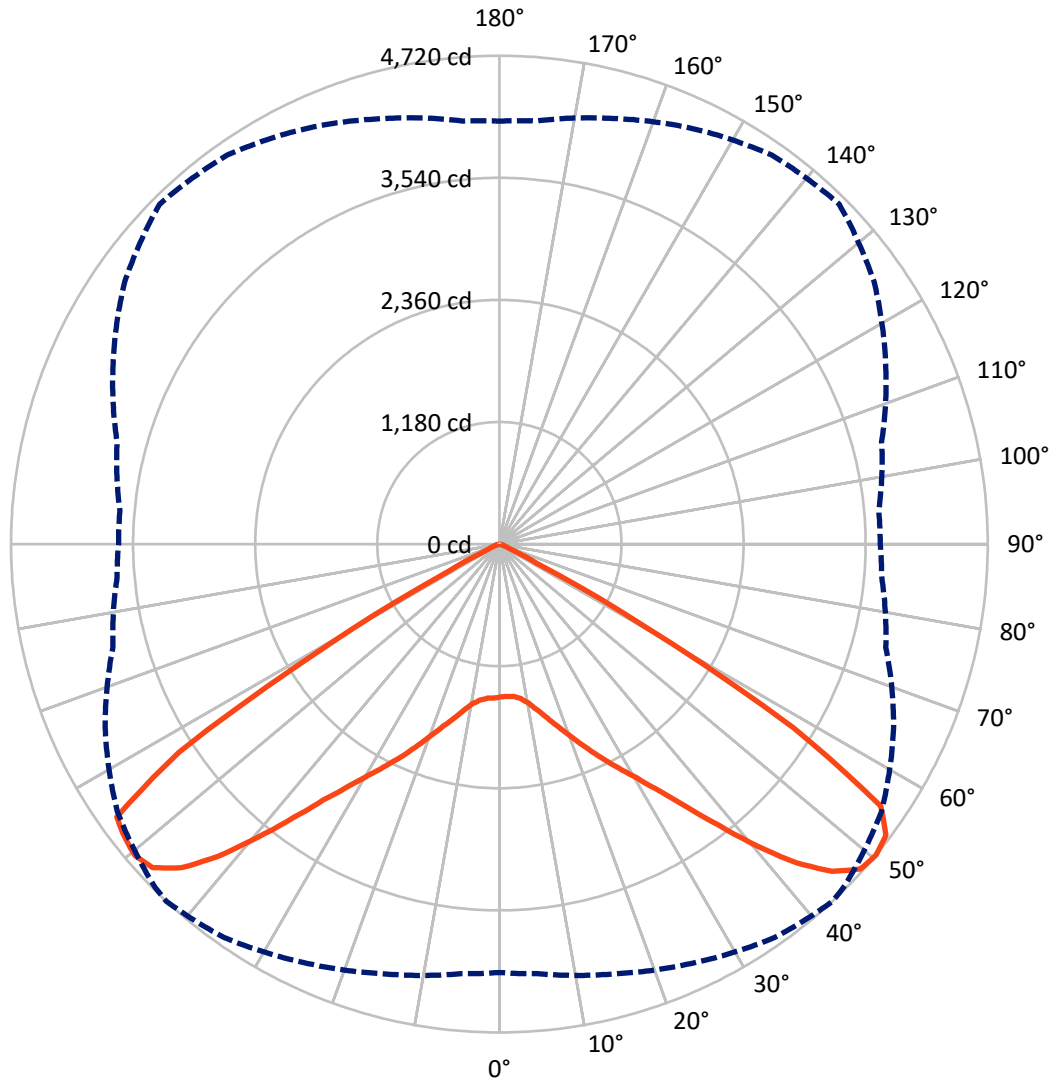
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.4 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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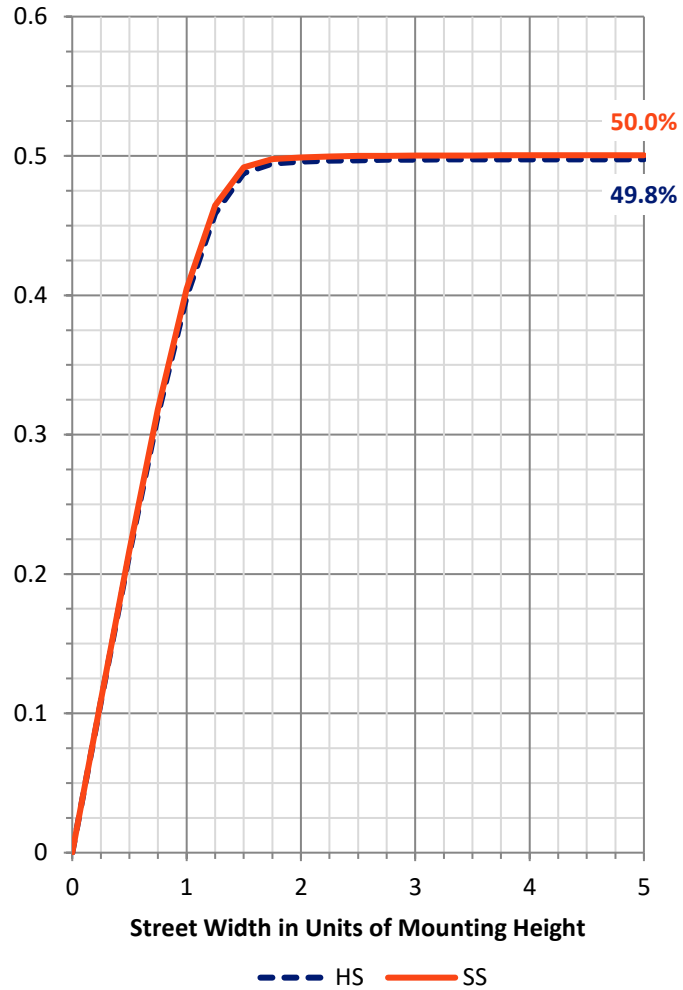
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5193.0	0.0	5193.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5193.3	0.0	5193.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	10386.3	0.0	10386.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.5	1.4
10°-20°	500.6	4.8
20°-30°	1012.9	9.8
30°-40°	1879.2	18.1
40°-50°	3119.4	30.0
50°-60°	3183.5	30.7
60°-70°	522.1	5.0
70°-80°	22.8	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°	10386.3	100.0
0°-180°	10386.3	100.0

**Coefficient of Utilization**



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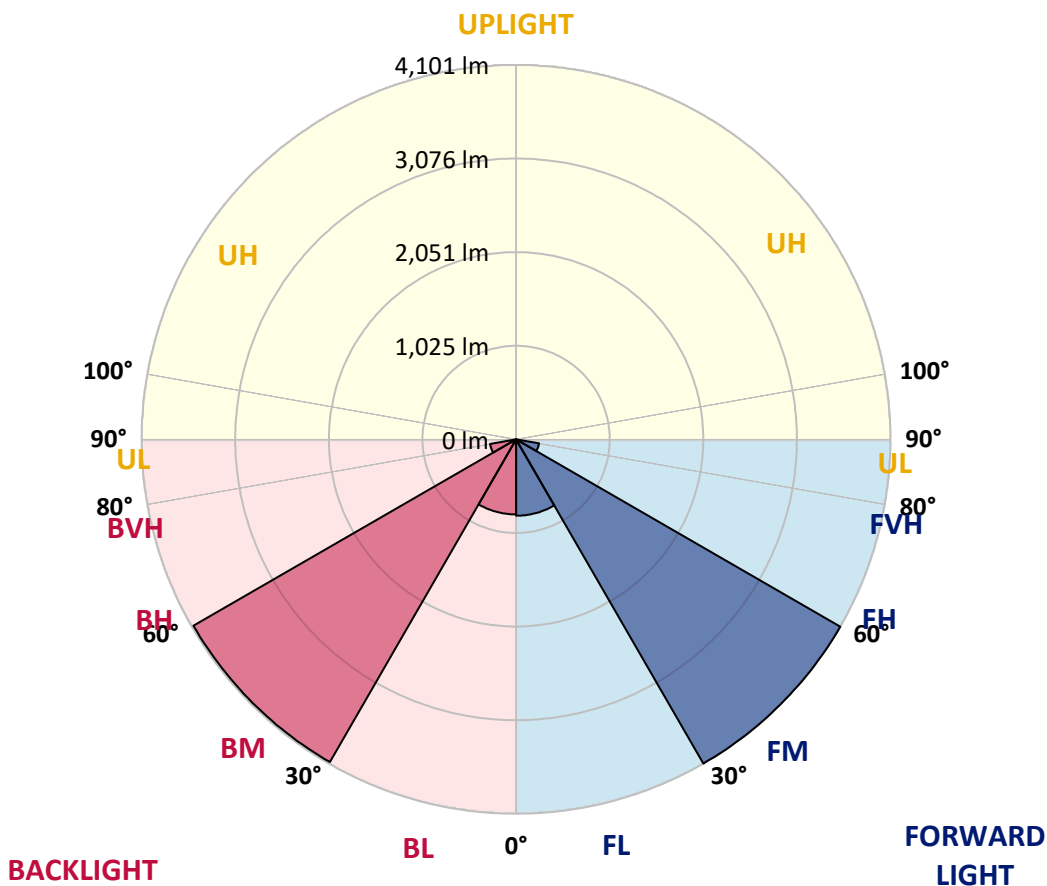
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	836.8	8.1			
FM (30°-60°)	4101.0	39.5			
FH (60°-80°)	255.4	2.5			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	822.2	7.9	B2/1000		
BM (30°-60°)	4081.1	39.3	B3/5000		
BH (60°-80°)	289.5	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°	1477.3	1477.3	1477.3	1477.3	1477.3	1477.3	1477.3	1477.3	1477.3	1477.3	1477.3
2.5°	1449.7	1453.2	1457.8	1462.4	1468.1	1473.8	1477.3	1487.6	1485.3	1494.5	1494.5
5°	1433.6	1437.1	1442.8	1453.2	1465.8	1478.4	1487.6	1508.3	1519.8	1538.2	1545.1
7.5°	1441.7	1446.3	1453.2	1469.2	1488.8	1508.3	1518.6	1552.0	1574.9	1609.4	1628.9
10°	1468.1	1472.7	1484.2	1511.7	1537.0	1564.6	1577.2	1619.7	1656.5	1703.6	1731.2
12.5°	1498.0	1503.7	1526.7	1568.0	1611.7	1648.5	1665.7	1712.8	1750.7	1803.5	1847.2
15°	1529.0	1538.2	1573.8	1634.7	1696.7	1746.1	1764.5	1815.0	1852.9	1909.2	1958.6
17.5°	1601.4	1611.7	1651.9	1717.4	1802.4	1859.8	1875.9	1928.7	1957.5	1995.4	2047.1
20°	1692.1	1711.6	1761.0	1840.3	1933.3	1988.5	2000.0	2051.7	2049.4	2065.4	2110.2
22.5°	1804.7	1818.5	1872.5	1966.7	2071.2	2132.1	2158.5	2180.3	2151.6	2137.8	2166.5
25°	1921.9	1937.9	1996.5	2099.9	2217.1	2287.2	2309.0	2326.2	2280.3	2228.6	2232.0
27.5°	2073.5	2085.0	2142.4	2252.7	2369.9	2449.1	2468.7	2498.5	2437.6	2354.9	2332.0
30°	2253.8	2265.3	2326.2	2442.2	2558.3	2626.0	2655.9	2692.7	2626.0	2522.6	2496.2
32.5°	2465.2	2476.7	2554.8	2674.3	2769.6	2843.1	2871.9	2910.9	2858.1	2742.1	2712.2
35°	2717.9	2724.8	2816.7	2946.5	3047.6	3118.8	3138.4	3184.3	3125.7	3009.7	2993.6
37.5°	3010.9	3018.9	3118.8	3269.3	3372.7	3452.0	3483.0	3495.6	3424.4	3294.6	3282.0
40°	3332.5	3358.9	3456.6	3618.5	3734.6	3834.5	3862.1	3819.6	3719.6	3542.7	3519.8
42.5°	3667.9	3690.9	3800.1	3975.8	4110.2	4212.5	4213.6	4121.7	3951.7	3707.0	3672.5
45°	3947.1	3956.3	4097.6	4274.5	4439.9	4512.3	4519.2	4352.6	4096.4	3802.3	3728.8
47.5°	4138.9	4153.9	4276.8	4446.8	4629.4	4694.9	4681.1	4473.2	4165.4	3864.4	3742.6
50°	4141.2	4166.5	4299.8	4464.0	4640.9	4720.2	4700.7	4507.7	4204.4	3866.7	3709.3
52.5°	3774.8	3816.1	4033.2	4271.0	4542.1	4677.7	4682.3	4552.5	4189.5	3829.9	3679.4
55°	2847.7	2892.5	3165.9	3571.5	4095.3	4473.2	4538.7	4499.6	4172.2	3846.0	3732.3
57.5°	1507.2	1472.7	1624.3	2026.4	2684.6	3353.2	3545.0	3857.5	3980.4	3865.5	3829.9
60°	328.5	350.4	466.4	628.4	1047.7	1577.2	1764.5	2299.8	2936.2	3218.8	3423.3
62.5°	141.3	139.0	144.7	164.3	240.1	399.8	488.2	797.2	1257.9	1727.7	2045.9
65°	116.0	117.2	121.8	121.8	113.7	114.9	120.6	182.7	294.1	412.4	553.7
67.5°	87.3	88.5	96.5	98.8	93.0	82.7	81.6	68.9	72.4	90.8	94.2
70°	55.1	55.1	59.7	62.0	62.0	57.4	56.3	49.4	48.2	55.1	62.0
72.5°	29.9	29.9	32.2	33.3	32.2	31.0	31.0	29.9	28.7	33.3	42.5
75°	12.6	12.6	13.8	13.8	12.6	12.6	12.6	12.6	12.6	14.9	23.0
77.5°	2.3	3.4	4.6	3.4	2.3	2.3	2.3	3.4	3.4	4.6	6.9
80°	1.1	1.1	2.3	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°	1477.3	1477.3	1477.3	1477.3	1477.3	1477.3	1477.3	1477.3	1477.3	1477.3	1477.3
2.5°	1502.6	1489.9	1494.5	1496.8	1493.4	1491.1	1478.4	1475.0	1469.2	1460.1	1457.8
5°	1553.1	1542.8	1541.6	1534.7	1518.6	1499.1	1475.0	1464.7	1453.2	1441.7	1439.4
7.5°	1638.1	1625.5	1617.4	1594.5	1557.7	1526.7	1486.5	1464.7	1449.7	1434.8	1431.3
10°	1747.2	1732.3	1709.3	1666.8	1617.4	1572.6	1525.5	1496.8	1473.8	1453.2	1452.0
12.5°	1863.3	1847.2	1805.8	1751.8	1692.1	1650.7	1591.0	1550.8	1516.3	1485.3	1481.9
15°	1985.0	1965.5	1909.2	1844.9	1789.7	1747.2	1681.8	1617.4	1564.6	1519.8	1515.2
17.5°	2078.1	2054.0	1987.3	1939.1	1894.3	1850.6	1777.1	1692.1	1622.0	1568.0	1555.4
20°	2136.7	2113.7	2050.5	2024.1	2003.4	1972.4	1885.1	1796.6	1718.5	1651.9	1640.4
22.5°	2193.0	2165.4	2110.2	2110.2	2126.3	2113.7	2019.5	1918.4	1826.5	1749.5	1732.3
25°	2256.1	2234.3	2195.3	2227.4	2267.6	2266.5	2170.0	2043.6	1937.9	1851.8	1834.5
27.5°	2348.0	2326.2	2312.4	2373.3	2423.9	2420.4	2314.7	2178.0	2066.6	1981.6	1965.5
30°	2510.0	2489.3	2474.4	2547.9	2612.2	2588.1	2472.1	2340.0	2227.4	2130.9	2119.4
32.5°	2726.0	2704.1	2684.6	2758.1	2815.6	2784.6	2674.3	2550.2	2420.4	2326.2	2303.2
35°	3009.7	2963.8	2944.2	3031.5	3055.7	3021.2	2915.5	2806.4	2668.5	2560.6	2545.6
37.5°	3302.6	3248.7	3234.9	3310.7	3349.7	3337.1	3213.0	3099.3	2950.0	2830.5	2813.3
40°	3553.1	3503.7	3479.6	3597.9	3686.3	3694.4	3582.9	3443.9	3268.2	3144.1	3113.1
42.5°	3700.1	3657.6	3651.9	3835.7	3980.4	4083.8	3950.5	3806.9	3622.0	3481.8	3456.6
45°	3733.4	3705.9	3754.1	3995.3	4220.5	4408.9	4295.2	4143.5	3943.6	3795.5	3771.3
47.5°	3730.0	3720.8	3806.9	4078.0	4362.9	4595.0	4538.7	4367.5	4174.5	4019.5	3996.5
50°	3680.6	3681.7	3825.3	4119.4	4420.4	4645.5	4589.2	4430.7	4258.4	4105.6	4087.2
52.5°	3661.1	3654.2	3790.9	4106.8	4479.0	4622.6	4496.2	4318.1	4126.3	3937.9	3910.3
55°	3730.0	3712.7	3795.5	4096.4	4485.9	4609.9	4276.8	3890.8	3497.9	3275.1	3256.7
57.5°	3833.4	3815.0	3854.0	4020.6	4126.3	3833.4	3147.6	2524.9	2120.6	1949.4	1874.8
60°	3423.3	3410.6	3380.8	3179.7	2727.1	2057.4	1401.5	893.7	642.1	519.2	519.2
62.5°	2124.0	2106.8	1944.8	1445.1	1050.0	607.7	334.3	209.1	158.5	148.2	147.0
65°	596.2	592.8	490.5	346.9	220.6	136.7	120.6	122.9	120.6	117.2	116.0
67.5°	89.6	98.8	98.8	80.4	77.0	86.2	101.1	108.0	102.2	96.5	94.2
70°	57.4	62.0	59.7	51.7	55.1	64.3	72.4	73.5	70.1	64.3	63.2
72.5°	40.2	44.8	36.8	33.3	34.5	37.9	41.4	41.4	40.2	37.9	35.6
75°	24.1	24.1	17.2	16.1	16.1	17.2	17.2	19.5	19.5	18.4	17.2
77.5°	8.0	9.2	5.7	4.6	4.6	4.6	5.7	6.9	6.9	5.7	4.6
80°	1.1	2.3	1.1	1.1	1.1	1.1	1.1	1.1	2.3	2.3	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)