

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: P635168

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)
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
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16496.7 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

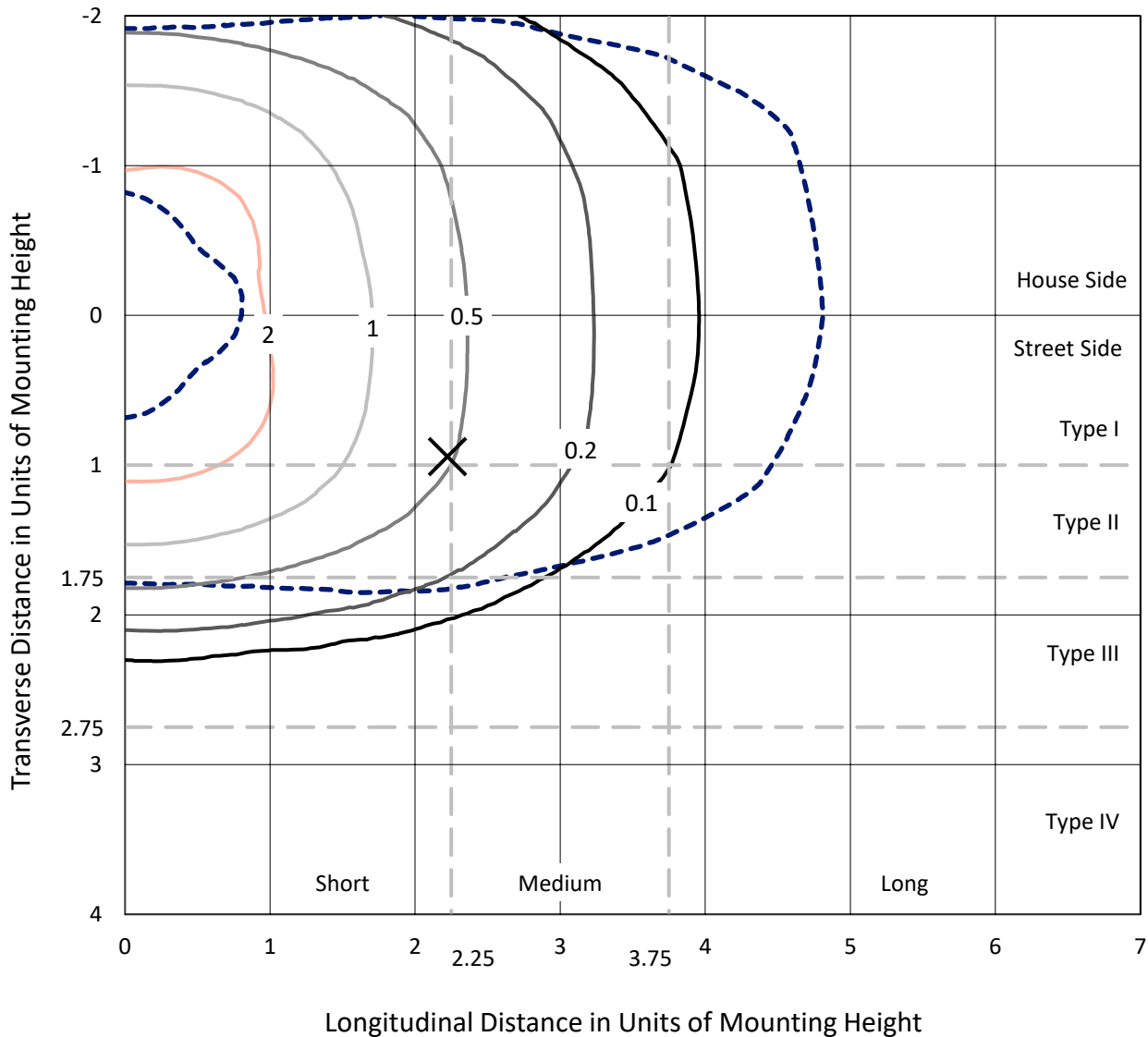
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

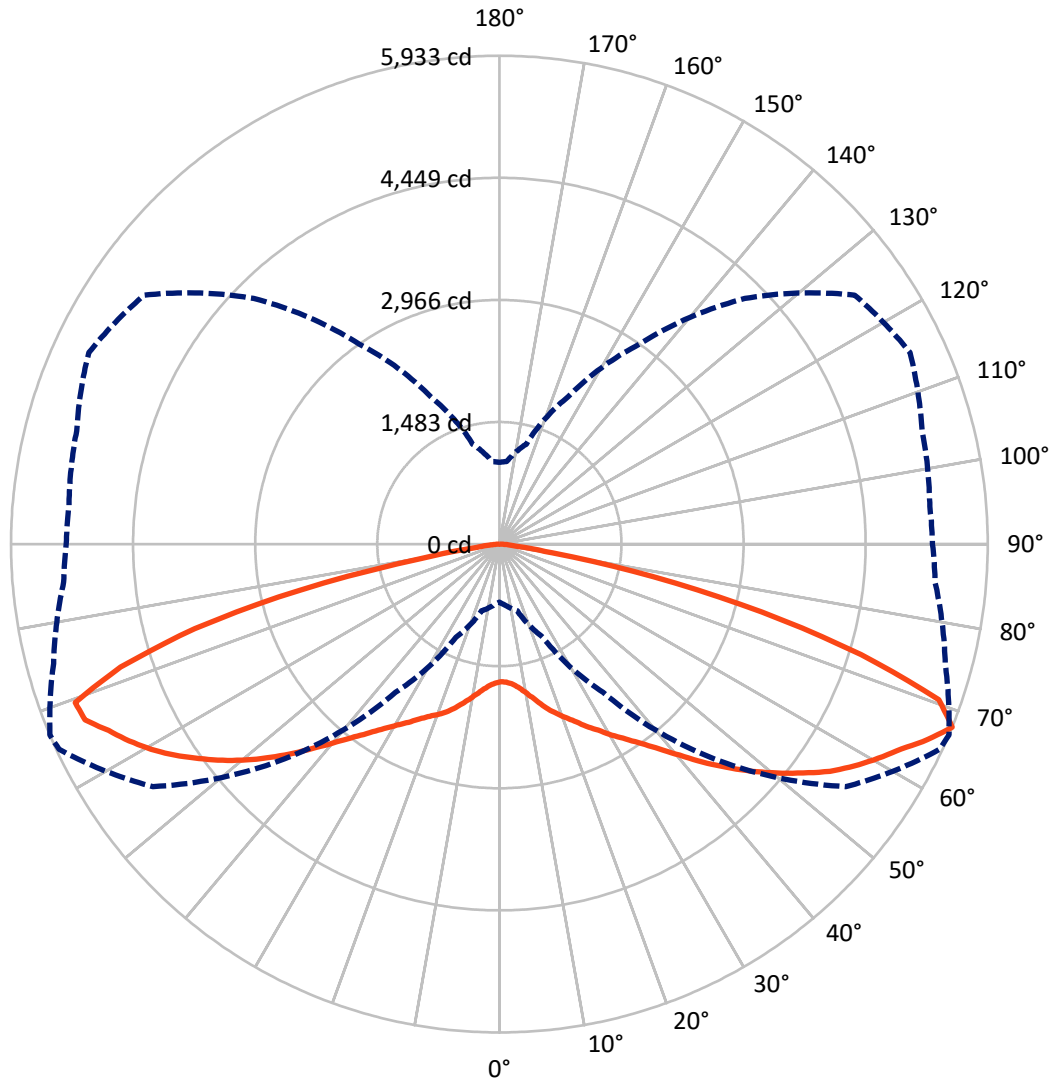
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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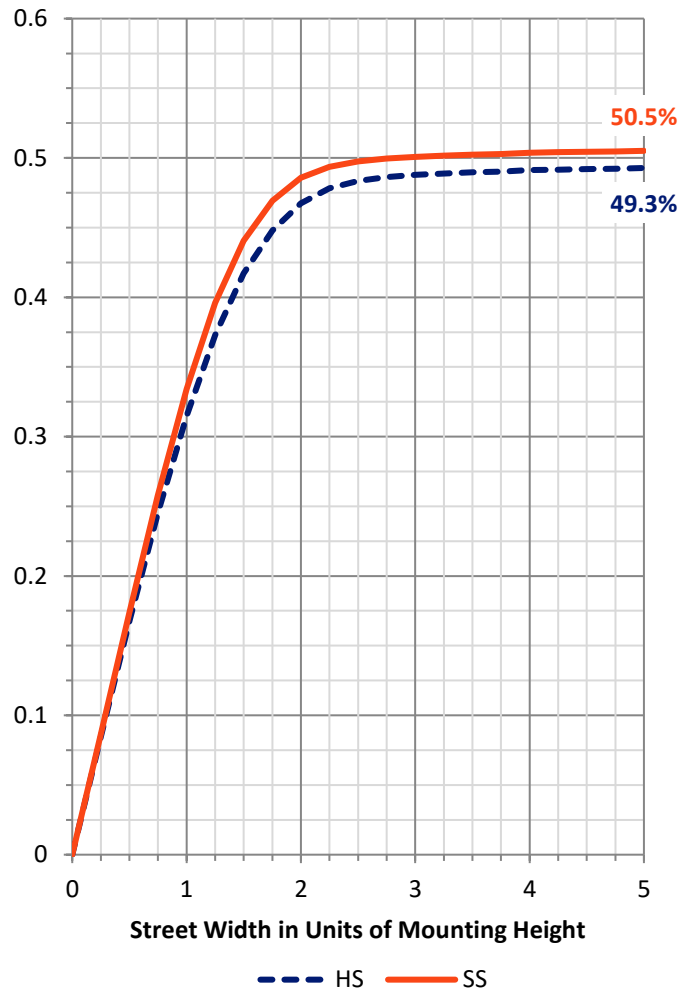
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8157.3	0.0	8157.3
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	8339.4	0.0	8339.4
	% Fixture	50.6	0.0	50.6
Total	Lumens	16496.7	0.0	16496.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.9	1.0
10°-20°	553.7	3.4
20°-30°	1086.3	6.6
30°-40°	1850.7	11.2
40°-50°	2971.8	18.0
50°-60°	4038.1	24.5
60°-70°	3862.7	23.4
70°-80°	1836.5	11.1
80°-90°	133.1	0.8
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°	16496.7	100.0
0°-180°	16496.7	100.0

Coefficient of Utilization



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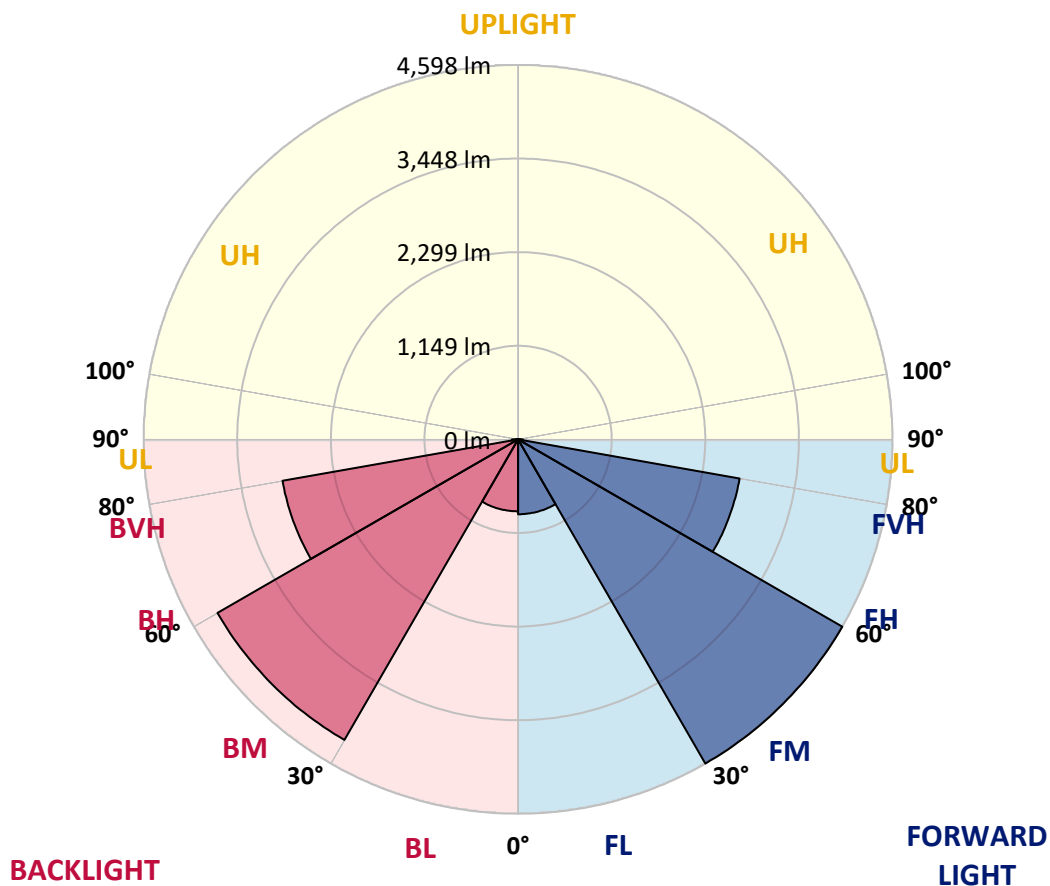
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	919.8	5.6			
FM (30°-60°)	4597.8	27.9			
FH (60°-80°)	2762.0	16.7			G2/5000
FVH (80°-90°)	59.8	0.4			G1/100
BL (0°-30°)	884.0	5.4	B2/1000		
BM (30°-60°)	4262.8	25.8	B3/5000		
BH (60°-80°)	2937.2	17.8	B4/5000		G4/5000
BVH (80°-90°)	73.3	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4
2.5°	1635.9	1638.2	1641.7	1648.6	1655.4	1665.8	1676.1	1675.0	1679.6	1683.0	1686.5
5°	1626.7	1629.0	1634.8	1644.0	1654.3	1671.5	1693.4	1702.5	1709.4	1722.1	1733.6
7.5°	1646.3	1650.9	1658.9	1671.5	1687.6	1709.4	1739.3	1755.4	1765.7	1788.7	1808.2
10°	1672.7	1678.4	1694.5	1718.6	1742.8	1776.1	1814.0	1838.1	1845.0	1874.9	1911.6
12.5°	1698.0	1704.8	1731.3	1774.9	1818.6	1863.4	1908.2	1938.1	1940.4	1980.6	2021.9
15°	1738.2	1743.9	1779.5	1835.8	1902.4	1964.5	2019.6	2040.3	2049.5	2078.2	2129.9
17.5°	1826.6	1833.5	1879.5	1940.4	2010.4	2075.9	2131.1	2148.3	2148.3	2172.4	2214.9
20°	1922.0	1928.9	1989.8	2067.9	2152.9	2219.5	2262.0	2245.9	2240.2	2247.1	2277.0
22.5°	2028.8	2041.5	2100.0	2190.8	2295.3	2376.9	2398.7	2350.5	2334.4	2318.3	2325.2
25°	2165.5	2180.5	2237.9	2334.4	2436.6	2522.8	2535.4	2460.8	2451.6	2395.3	2374.6
27.5°	2322.9	2334.4	2405.6	2501.0	2596.3	2668.7	2682.5	2590.6	2559.6	2481.4	2433.2
30°	2526.3	2536.6	2598.6	2692.8	2775.5	2826.1	2843.3	2717.0	2692.8	2573.4	2498.7
32.5°	2748.0	2752.6	2815.8	2906.5	2980.0	3028.3	3004.2	2857.1	2821.5	2687.1	2584.8
35°	3001.9	3001.9	3083.4	3157.0	3215.5	3229.3	3183.4	3015.6	2974.3	2828.4	2700.9
37.5°	3251.2	3258.1	3333.9	3421.2	3472.9	3470.6	3386.7	3202.9	3155.8	2997.3	2856.0
40°	3521.1	3536.1	3611.9	3709.5	3758.9	3752.0	3623.4	3418.9	3370.6	3183.4	3045.5
42.5°	3769.3	3793.4	3881.9	3981.8	4035.8	4031.2	3896.8	3667.0	3619.9	3408.5	3270.7
45°	3966.9	3992.1	4102.4	4241.4	4327.6	4319.6	4184.0	3924.4	3866.9	3645.2	3493.6
47.5°	4140.3	4166.8	4289.7	4436.7	4573.4	4587.2	4463.2	4184.0	4123.1	3899.1	3727.9
50°	4273.6	4286.2	4424.1	4584.9	4743.5	4820.4	4712.5	4444.8	4371.3	4149.5	3956.5
52.5°	4263.3	4280.5	4450.5	4668.8	4881.3	5007.7	4933.0	4690.6	4619.4	4378.1	4189.7
55°	4053.0	4070.3	4272.5	4590.7	4958.3	5144.4	5136.4	4925.0	4873.3	4611.4	4432.1
57.5°	3746.3	3784.2	3985.3	4328.8	4857.2	5253.5	5285.7	5138.7	5084.7	4840.0	4672.2
60°	3197.2	3247.7	3479.8	3925.5	4533.2	5216.8	5445.4	5319.0	5285.7	5052.5	4889.4
62.5°	2322.9	2359.7	2668.7	3253.5	4053.0	4954.9	5579.8	5505.1	5479.9	5243.2	5085.8
65°	1391.2	1475.1	1723.2	2301.1	3269.5	4460.9	5506.3	5748.7	5722.3	5439.7	5253.5
67.5°	704.2	742.1	839.8	1247.6	2198.8	3691.2	5137.5	5900.3	5932.5	5607.4	5313.3
70°	436.6	446.9	474.5	615.8	1098.3	2425.2	4201.2	5505.1	5662.5	5581.0	5158.2
72.5°	350.4	352.7	357.3	383.7	527.3	1133.9	2656.1	4311.5	4595.3	5212.2	4936.5
75°	290.7	291.8	292.9	301.0	328.6	463.0	1292.4	2962.8	3294.8	4429.8	4576.9
77.5°	233.2	227.5	232.1	235.5	242.4	258.5	445.7	1580.8	1917.4	2907.7	3539.5
80°	151.6	149.3	158.5	162.0	168.9	179.2	237.8	536.5	651.4	1058.1	1125.8
82.5°	81.6	77.0	96.5	93.1	96.5	104.5	140.2	196.4	220.6	319.4	270.0
85°	25.3	25.3	26.4	31.0	37.9	36.8	60.9	96.5	106.8	136.7	101.1
87.5°	4.6	4.6	4.6	4.6	4.6	5.7	12.6	19.5	26.4	47.1	35.6
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°	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4	1670.4
2.5°	1693.4	1683.0	1688.8	1692.2	1691.1	1688.8	1677.3	1675.0	1669.2	1660.0	1657.7
5°	1743.9	1732.4	1733.6	1730.1	1718.6	1703.7	1678.4	1665.8	1655.4	1644.0	1642.8
7.5°	1823.2	1810.5	1807.1	1791.0	1758.8	1724.4	1684.2	1661.2	1644.0	1629.0	1626.7
10°	1924.3	1911.6	1900.1	1862.2	1809.4	1763.4	1710.6	1677.3	1652.0	1633.6	1630.2
12.5°	2036.9	2026.5	1997.8	1942.7	1879.5	1825.5	1771.5	1730.1	1693.4	1665.8	1662.3
15°	2162.1	2139.1	2095.4	2024.2	1964.5	1920.8	1855.3	1799.1	1740.5	1703.7	1695.7
17.5°	2249.4	2229.9	2178.2	2109.2	2062.1	2024.2	1947.2	1866.8	1787.6	1733.6	1722.1
20°	2311.4	2290.7	2232.2	2181.6	2166.7	2134.5	2044.9	1951.8	1859.9	1793.3	1778.4
22.5°	2356.2	2334.4	2274.7	2249.4	2270.1	2264.3	2177.0	2071.3	1962.2	1882.9	1864.5
25°	2398.7	2378.1	2325.2	2334.4	2389.5	2406.8	2312.6	2189.6	2065.6	1972.5	1950.7
27.5°	2438.9	2412.5	2388.4	2438.9	2517.1	2549.2	2449.3	2310.3	2175.9	2080.5	2063.3
30°	2501.0	2470.0	2466.5	2540.0	2664.1	2691.7	2581.4	2442.4	2309.1	2212.6	2190.8
32.5°	2579.1	2550.4	2552.7	2663.0	2806.6	2829.5	2735.3	2605.5	2472.3	2375.8	2345.9
35°	2684.8	2649.2	2668.7	2804.3	2949.0	2991.5	2915.7	2807.7	2677.9	2579.1	2545.8
37.5°	2830.7	2779.0	2819.2	2961.7	3107.6	3170.7	3112.2	3031.7	2903.1	2803.1	2772.1
40°	3016.8	2974.3	2990.4	3147.8	3298.3	3374.1	3337.3	3258.1	3130.5	3026.0	2990.4
42.5°	3237.4	3194.9	3189.1	3356.8	3507.3	3622.2	3586.6	3514.2	3382.1	3262.6	3228.2
45°	3453.3	3414.3	3422.3	3593.5	3762.4	3887.6	3852.0	3767.0	3623.4	3485.5	3457.9
47.5°	3678.5	3646.4	3653.2	3834.8	4020.9	4146.1	4101.3	3997.9	3830.2	3683.1	3649.8
50°	3909.4	3872.7	3883.0	4073.7	4274.8	4393.1	4324.2	4171.4	3986.4	3842.8	3814.1
52.5°	4139.2	4095.5	4122.0	4302.3	4510.3	4604.5	4476.9	4292.0	4112.8	3970.3	3938.2
55°	4403.4	4357.5	4328.8	4521.8	4727.4	4766.5	4591.8	4375.9	4163.3	4001.3	3981.8
57.5°	4644.7	4605.6	4551.6	4744.6	4896.3	4867.5	4680.3	4352.9	4040.4	3832.5	3804.9
60°	4860.7	4827.3	4780.2	4944.5	5013.4	4949.1	4609.1	4080.6	3737.1	3520.0	3507.3
62.5°	5059.4	5023.8	4980.1	5120.3	5111.1	4961.7	4285.1	3662.4	3202.9	2969.7	2949.0
65°	5216.8	5184.6	5172.0	5282.3	5267.3	4714.8	3780.8	2977.7	2340.1	2077.1	2069.0
67.5°	5261.6	5249.0	5316.7	5504.0	5270.8	4218.5	2965.1	1974.8	1256.8	1007.5	992.6
70°	5093.9	5092.7	5286.9	5554.5	4792.9	3222.4	1749.7	890.3	631.9	560.6	551.4
72.5°	4875.6	4872.1	5026.1	4791.7	3554.4	1763.4	736.4	476.8	395.2	375.7	375.7
75°	4517.2	4508.0	4624.0	3645.2	1998.9	664.0	390.6	327.4	310.2	306.7	306.7
77.5°	3682.0	3605.0	3422.3	2252.8	697.3	326.3	258.5	257.3	247.0	245.8	245.8
80°	1210.9	1210.9	1407.3	859.3	307.9	201.0	182.7	191.9	181.5	174.6	173.5
82.5°	197.6	272.3	387.2	245.8	166.6	125.2	112.6	119.5	125.2	99.9	99.9
85°	78.1	102.2	149.3	114.9	77.0	50.5	54.0	59.7	52.8	46.0	44.8
87.5°	29.9	36.8	52.8	27.6	16.1	9.2	5.7	5.7	4.6	4.6	4.6
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)