

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: P634893

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634893
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-SA3C-760-U-RW-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14487.8 lumens
Efficiency: N/A
Efficacy: 155.8 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

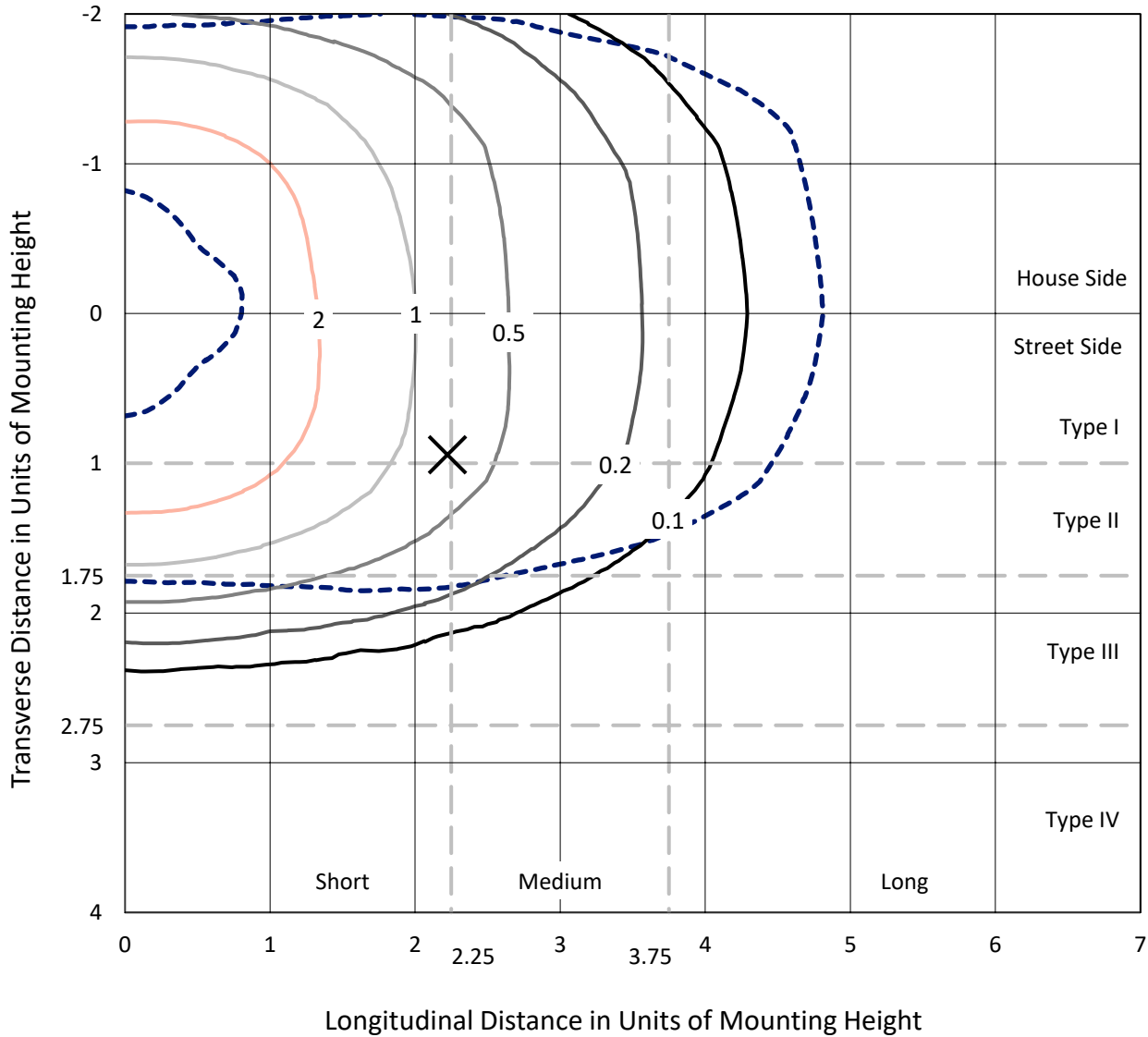
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

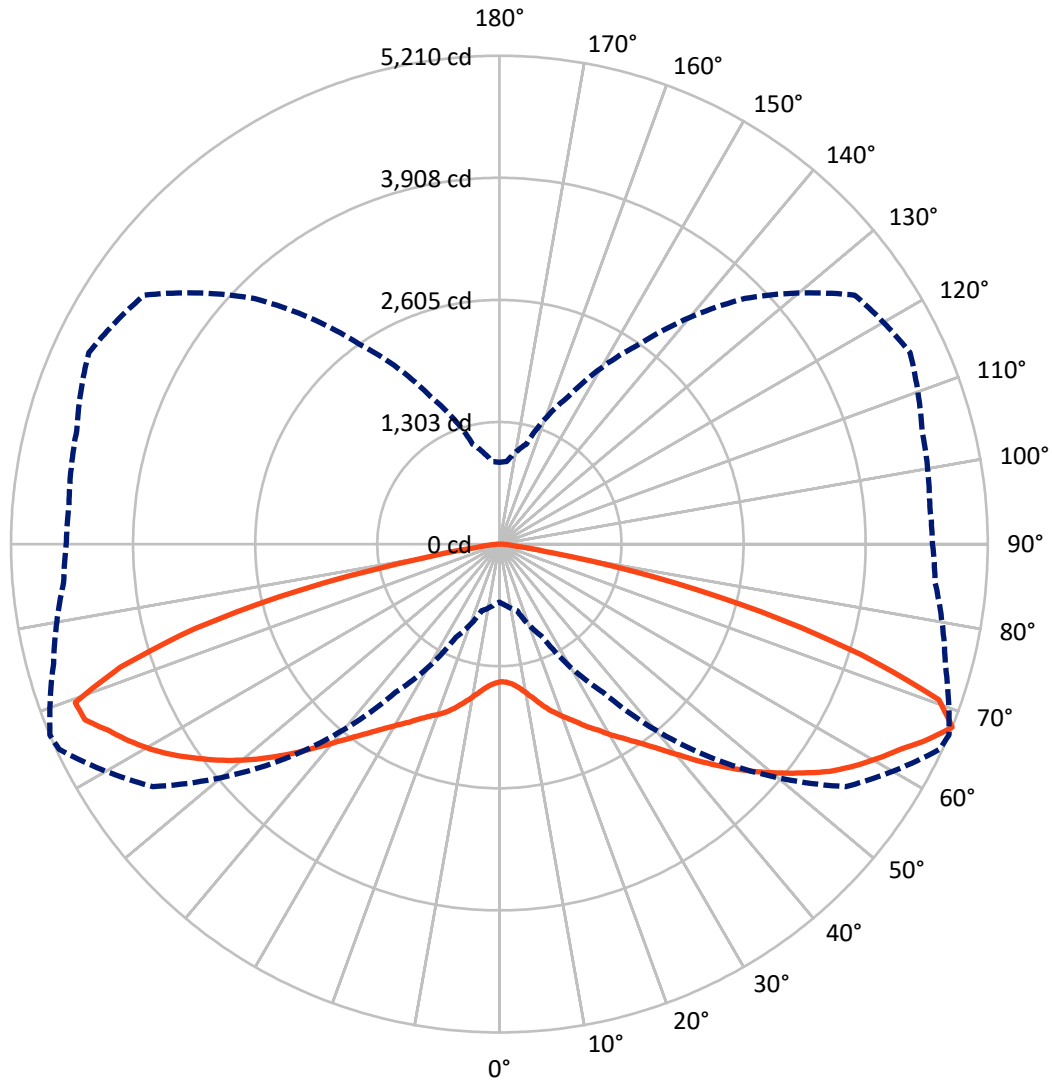
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.2 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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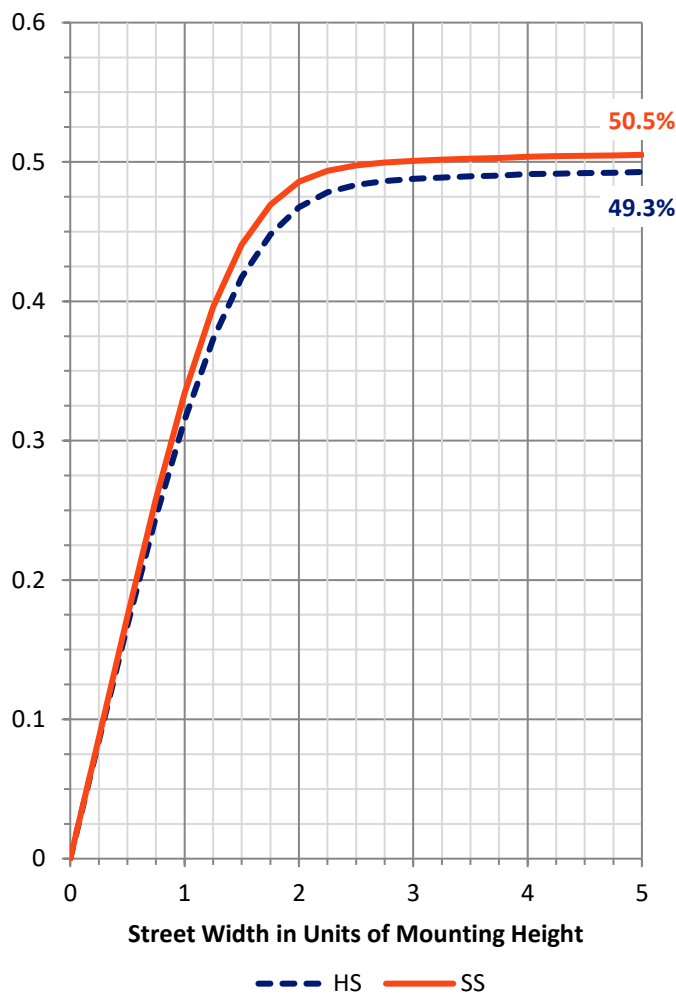
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7163.9	0.0	7163.9
	% Fixture	49.4	0.0	49.4
Street Side	Lumens	7323.8	0.0	7323.8
	% Fixture	50.6	0.0	50.6
Total	Lumens	14487.8	0.0	14487.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.9	1.0
10°-20°	486.2	3.4
20°-30°	954.0	6.6
30°-40°	1625.3	11.2
40°-50°	2609.9	18.0
50°-60°	3546.3	24.5
60°-70°	3392.3	23.4
70°-80°	1612.8	11.1
80°-90°	116.9	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°	14487.8	100.0
0°-180°	14487.8	100.0

Coefficient of Utilization



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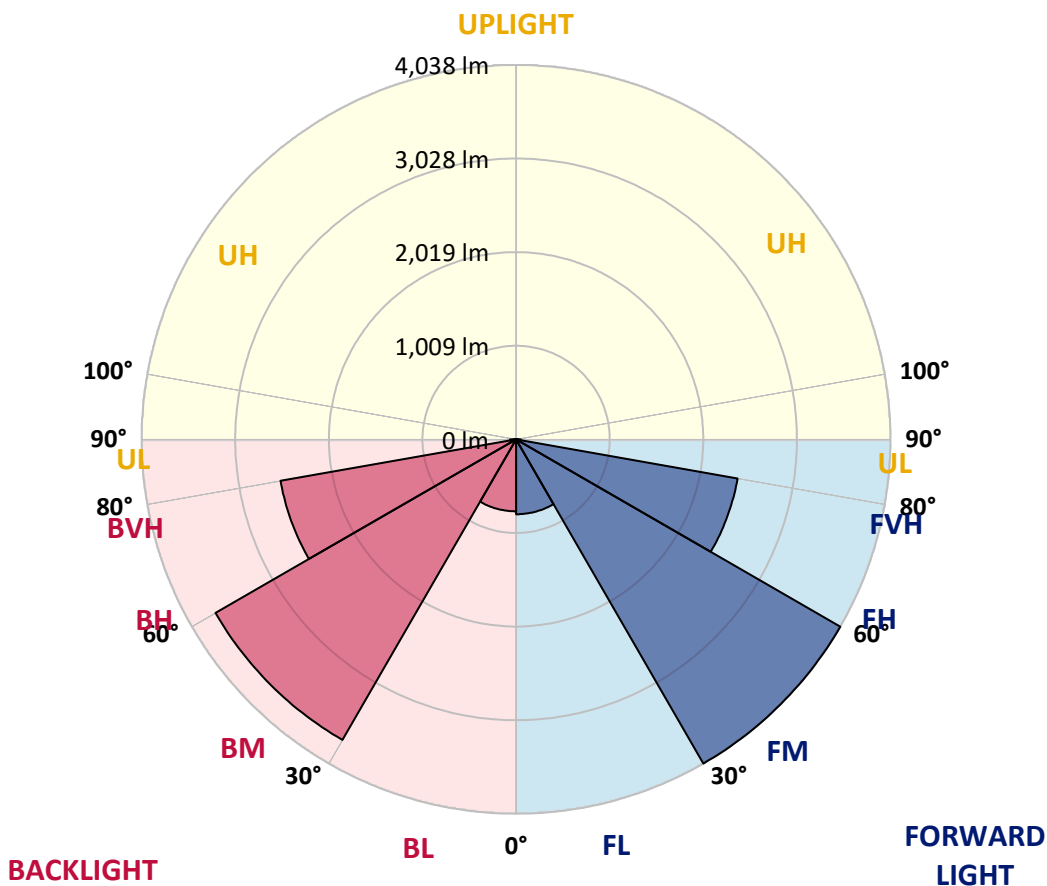
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	807.8	5.6			
FM (30°-60°)	4037.9	27.9			
FH (60°-80°)	2425.6	16.7			G2/5000
FVH (80°-90°)	52.5	0.4			G1/100
BL (0°-30°)	776.4	5.4	B2/1000		
BM (30°-60°)	3743.7	25.8	B3/5000		
BH (60°-80°)	2579.5	17.8	B4/5000		G4/5000
BVH (80°-90°)	64.3	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°	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0
2.5°	1436.7	1438.7	1441.7	1447.8	1453.9	1462.9	1472.0	1471.0	1475.0	1478.1	1481.1
5°	1428.6	1430.6	1435.7	1443.8	1452.8	1468.0	1487.1	1495.2	1501.3	1512.4	1522.5
7.5°	1445.8	1449.8	1456.9	1468.0	1482.1	1501.3	1527.5	1541.6	1550.7	1570.9	1588.0
10°	1469.0	1474.0	1488.2	1509.3	1530.5	1559.8	1593.1	1614.3	1620.3	1646.6	1678.8
12.5°	1491.2	1497.2	1520.4	1558.8	1597.1	1636.5	1675.8	1702.0	1704.1	1739.4	1775.7
15°	1526.5	1531.5	1562.8	1612.3	1670.8	1725.3	1773.7	1791.8	1799.9	1825.1	1870.5
17.5°	1604.2	1610.2	1650.6	1704.1	1765.6	1823.1	1871.5	1886.7	1886.7	1907.9	1945.2
20°	1687.9	1694.0	1747.5	1816.1	1890.7	1949.2	1986.6	1972.4	1967.4	1973.4	1999.7
22.5°	1781.8	1792.9	1844.3	1924.0	2015.8	2087.5	2106.6	2064.3	2050.1	2036.0	2042.1
25°	1901.8	1914.9	1965.4	2050.1	2139.9	2215.6	2226.7	2161.1	2153.0	2103.6	2085.4
27.5°	2040.0	2050.1	2112.7	2196.4	2280.2	2343.7	2355.8	2275.1	2247.9	2179.3	2136.9
30°	2218.6	2227.7	2282.2	2364.9	2437.6	2481.9	2497.1	2386.1	2364.9	2260.0	2194.4
32.5°	2413.3	2417.4	2472.9	2552.6	2617.1	2659.5	2638.3	2509.2	2477.9	2359.9	2270.1
35°	2636.3	2636.3	2707.9	2772.5	2824.0	2836.1	2795.7	2648.4	2612.1	2484.0	2372.0
37.5°	2855.2	2861.3	2927.9	3004.6	3050.0	3047.9	2974.3	2812.9	2771.5	2632.3	2508.2
40°	3092.3	3105.5	3172.0	3257.8	3301.2	3295.1	3182.1	3002.5	2960.2	2795.7	2674.6
42.5°	3310.3	3331.5	3409.1	3496.9	3544.3	3540.3	3422.3	3220.5	3179.1	2993.5	2872.4
45°	3483.8	3506.0	3602.9	3724.9	3800.6	3793.5	3674.5	3446.5	3396.0	3201.3	3068.1
47.5°	3636.1	3659.4	3767.3	3896.5	4016.5	4028.6	3919.7	3674.5	3621.0	3424.3	3273.9
50°	3753.2	3764.3	3885.4	4026.6	4165.8	4233.4	4138.6	3903.5	3838.9	3644.2	3474.7
52.5°	3744.1	3759.2	3908.6	4100.3	4286.9	4397.9	4332.3	4119.4	4056.9	3845.0	3679.5
55°	3559.5	3574.6	3752.2	4031.6	4354.5	4517.9	4510.9	4325.2	4279.8	4049.8	3892.4
57.5°	3290.1	3323.4	3499.9	3801.6	4265.7	4613.8	4642.0	4512.9	4465.5	4250.6	4103.3
60°	2807.8	2852.2	3056.0	3447.5	3981.2	4581.5	4782.3	4671.3	4642.0	4437.2	4294.0
62.5°	2040.0	2072.3	2343.7	2857.3	3559.5	4351.5	4900.3	4834.7	4812.6	4604.7	4466.5
65°	1221.8	1295.5	1513.4	2020.9	2871.4	3917.6	4835.8	5048.6	5025.4	4777.2	4613.8
67.5°	618.5	651.8	737.5	1095.7	1931.1	3241.7	4511.9	5181.8	5210.1	4924.5	4666.3
70°	383.4	392.5	416.7	540.8	964.5	2129.8	3689.6	4834.7	4973.0	4901.3	4530.1
72.5°	307.7	309.7	313.8	337.0	463.1	995.8	2332.6	3786.5	4035.7	4577.5	4335.3
75°	255.3	256.3	257.3	264.3	288.6	406.6	1135.0	2602.0	2893.6	3890.4	4019.5
77.5°	204.8	199.8	203.8	206.8	212.9	227.0	391.5	1388.3	1683.9	2553.6	3108.5
80°	133.2	131.2	139.2	142.3	148.3	157.4	208.8	471.2	572.1	929.2	988.7
82.5°	71.6	67.6	84.7	81.7	84.7	91.8	123.1	172.5	193.7	280.5	237.1
85°	22.2	22.2	23.2	27.2	33.3	32.3	53.5	84.7	93.8	120.1	88.8
87.5°	4.0	4.0	4.0	4.0	4.0	5.0	11.1	17.2	23.2	41.4	31.3
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°	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0
2.5°	1487.1	1478.1	1483.1	1486.1	1485.1	1483.1	1473.0	1471.0	1466.0	1457.9	1455.9
5°	1531.5	1521.5	1522.5	1519.4	1509.3	1496.2	1474.0	1462.9	1453.9	1443.8	1442.8
7.5°	1601.2	1590.1	1587.0	1572.9	1544.7	1514.4	1479.1	1458.9	1443.8	1430.6	1428.6
10°	1689.9	1678.8	1668.8	1635.5	1589.0	1548.7	1502.3	1473.0	1450.8	1434.7	1431.7
12.5°	1788.8	1779.7	1754.5	1706.1	1650.6	1603.2	1555.8	1519.4	1487.1	1462.9	1459.9
15°	1898.8	1878.6	1840.3	1777.7	1725.3	1686.9	1629.4	1580.0	1528.5	1496.2	1489.2
17.5°	1975.5	1958.3	1912.9	1852.4	1811.0	1777.7	1710.1	1639.5	1569.9	1522.5	1512.4
20°	2029.9	2011.8	1960.3	1915.9	1902.8	1874.6	1795.9	1714.2	1633.4	1574.9	1561.8
22.5°	2069.3	2050.1	1997.7	1975.5	1993.6	1988.6	1911.9	1819.1	1723.2	1653.6	1637.5
25°	2106.6	2088.5	2042.1	2050.1	2098.6	2113.7	2031.0	1923.0	1814.0	1732.3	1713.1
27.5°	2141.9	2118.7	2097.5	2141.9	2210.5	2238.8	2151.0	2028.9	1910.9	1827.2	1812.0
30°	2196.4	2169.2	2166.2	2230.7	2339.7	2363.9	2267.0	2145.0	2027.9	1943.2	1924.0
32.5°	2265.0	2239.8	2241.8	2338.7	2464.8	2485.0	2402.2	2288.2	2171.2	2086.4	2060.2
35°	2357.8	2326.6	2343.7	2462.8	2589.9	2627.2	2560.6	2465.8	2351.8	2265.0	2235.8
37.5°	2486.0	2440.6	2475.9	2601.0	2729.1	2784.6	2733.2	2662.5	2549.5	2461.8	2434.5
40°	2649.4	2612.1	2626.2	2764.4	2896.6	2963.2	2930.9	2861.3	2749.3	2657.5	2626.2
42.5°	2843.1	2805.8	2800.8	2948.1	3080.2	3181.1	3149.9	3086.3	2970.3	2865.3	2835.1
45°	3032.8	2998.5	3005.6	3155.9	3304.2	3414.2	3382.9	3308.3	3182.1	3061.1	3036.9
47.5°	3230.6	3202.3	3208.4	3367.8	3531.2	3641.2	3601.8	3511.0	3363.7	3234.6	3205.3
50°	3433.4	3401.1	3410.2	3577.6	3754.2	3858.1	3797.6	3663.4	3501.0	3374.8	3349.6
52.5°	3635.1	3596.8	3620.0	3778.4	3961.0	4043.8	3931.8	3769.3	3611.9	3486.8	3458.6
55°	3867.2	3826.8	3801.6	3971.1	4151.7	4186.0	4032.7	3843.0	3656.3	3514.1	3496.9
57.5°	4079.1	4044.8	3997.3	4166.8	4300.0	4274.8	4110.3	3822.8	3548.4	3365.8	3341.5
60°	4268.7	4239.5	4198.1	4342.4	4402.9	4346.4	4047.8	3583.7	3282.0	3091.3	3080.2
62.5°	4443.3	4412.0	4373.7	4496.8	4488.7	4357.5	3763.3	3216.4	2812.9	2608.1	2589.9
65°	4581.5	4553.3	4542.2	4639.0	4625.9	4140.6	3320.4	2615.1	2055.2	1824.1	1817.1
67.5°	4620.9	4609.8	4669.3	4833.7	4628.9	3704.8	2604.0	1734.3	1103.8	884.8	871.7
70°	4473.6	4472.5	4643.1	4878.1	4209.2	2830.0	1536.6	781.9	554.9	492.4	484.3
72.5°	4281.9	4278.8	4414.0	4208.2	3121.6	1548.7	646.7	418.7	347.1	329.9	329.9
75°	3967.1	3959.0	4060.9	3201.3	1755.5	583.2	343.0	287.5	272.4	269.4	269.4
77.5°	3233.6	3166.0	3005.6	1978.5	612.4	286.5	227.0	226.0	216.9	215.9	215.9
80°	1063.4	1063.4	1235.9	754.7	270.4	176.6	160.4	168.5	159.4	153.4	152.3
82.5°	173.5	239.1	340.0	215.9	146.3	110.0	98.9	104.9	110.0	87.8	87.8
85°	68.6	89.8	131.2	100.9	67.6	44.4	47.4	52.5	46.4	40.4	39.3
87.5°	26.2	32.3	46.4	24.2	14.1	8.1	5.0	5.0	4.0	4.0	4.0
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)