

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: P634254

Luminaire Tested: GWS-SA3B-735-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634254
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-735-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8553.1 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

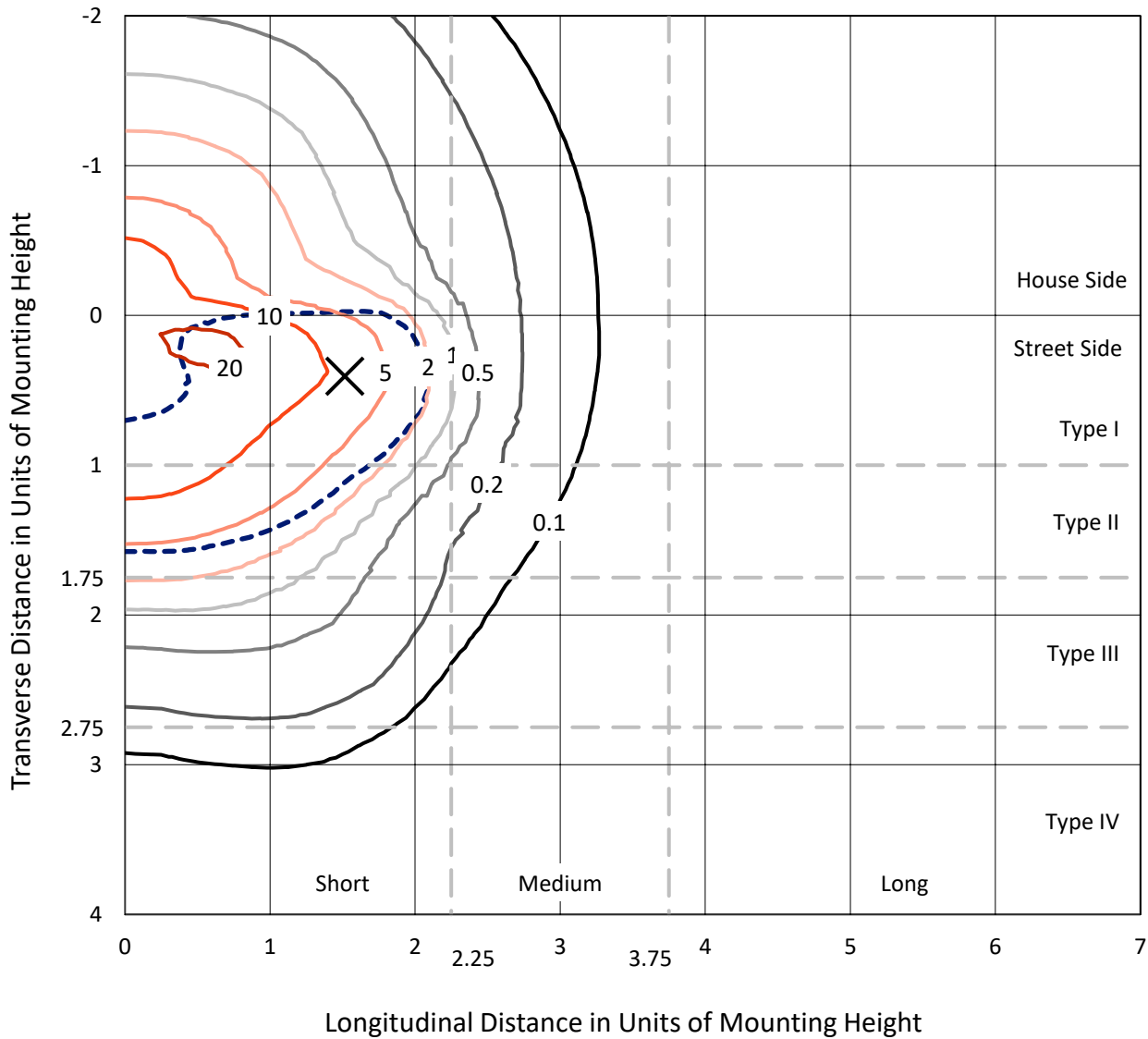
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

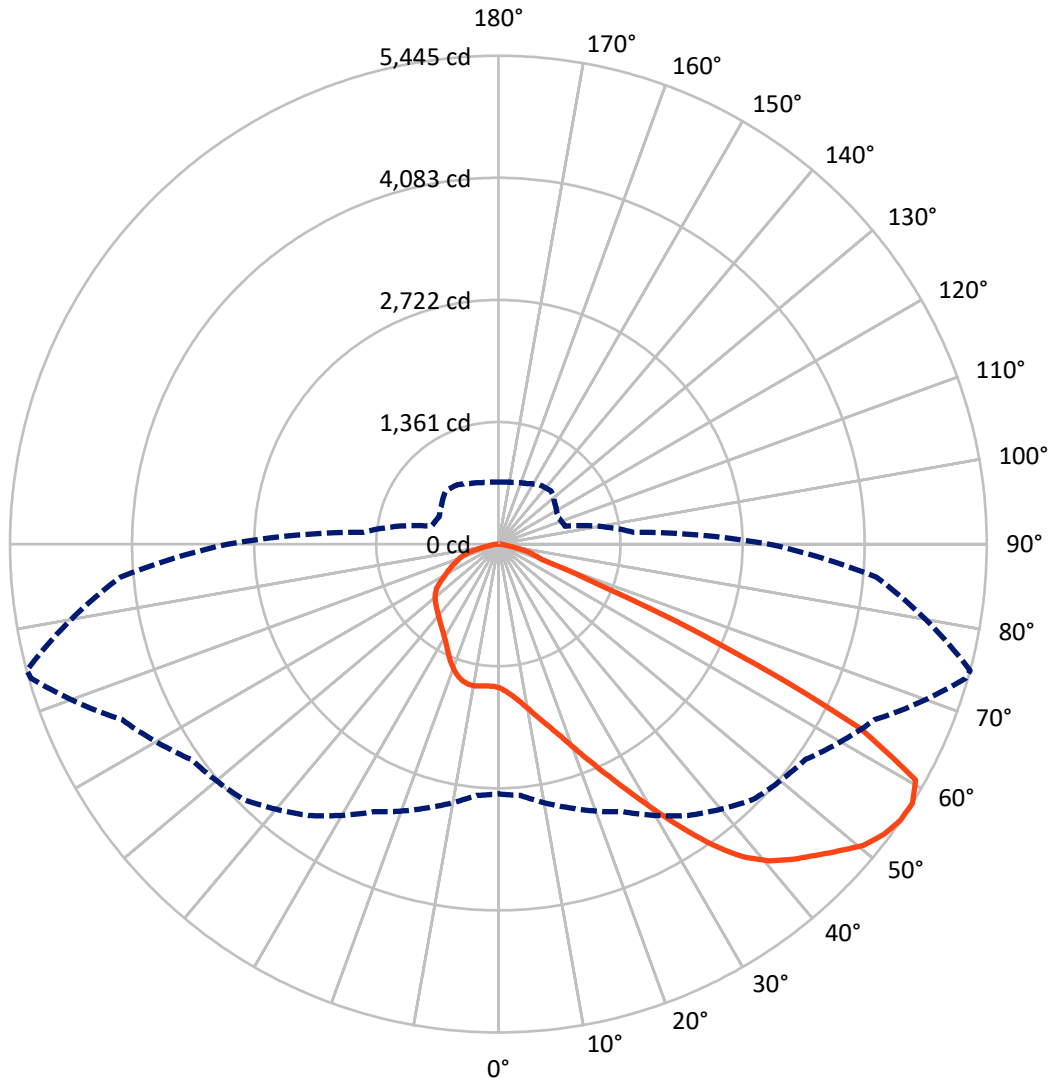
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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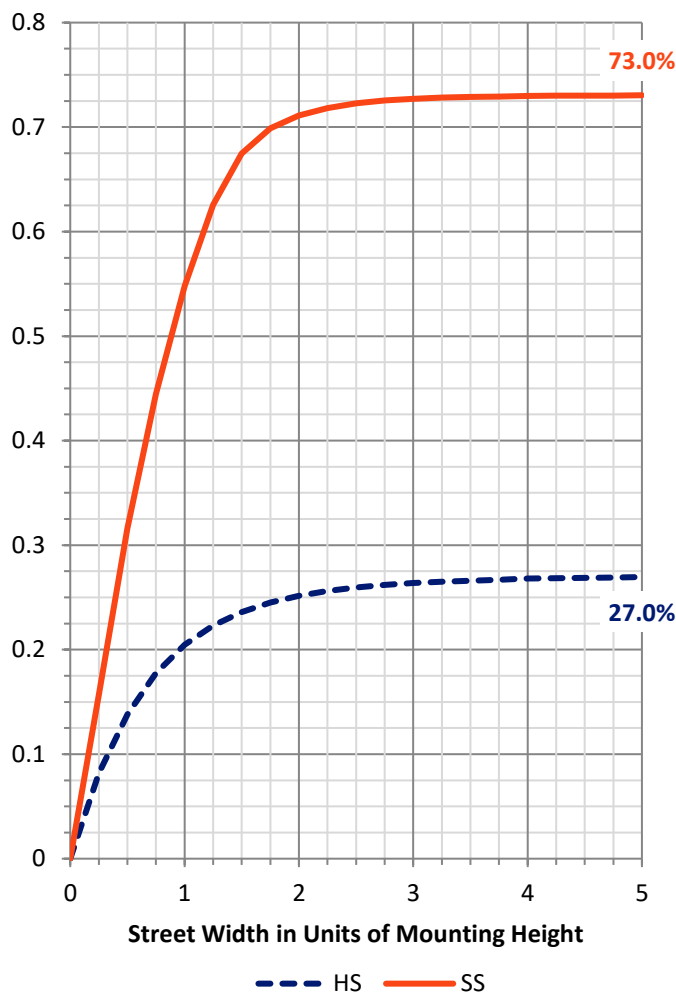
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2313.8	0.0	2313.8
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	6239.3	0.0	6239.3
	% Fixture	72.9	0.0	72.9
Total	Lumens	8553.1	0.0	8553.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.3	1.9
10°-20°	510.3	6.0
20°-30°	905.1	10.6
30°-40°	1385.5	16.2
40°-50°	1929.2	22.6
50°-60°	2210.5	25.8
60°-70°	1135.8	13.3
70°-80°	285.9	3.3
80°-90°	30.6	0.4
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°	8553.1	100.0
0°-180°	8553.1	100.0

Coefficient of Utilization



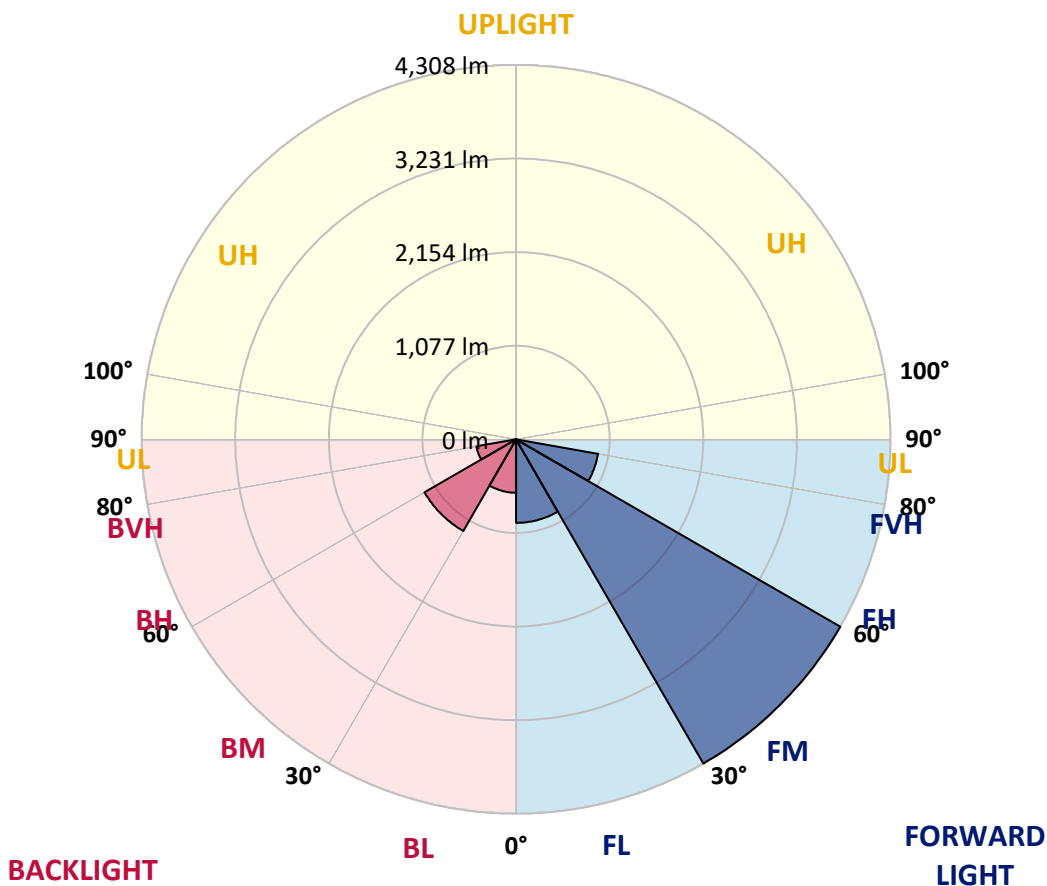
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	961.0	11.2			
FM (30°-60°)	4308.3	50.4			
FH (60°-80°)	958.7	11.2			G1/1800
FVH (80°-90°)	11.3	0.1			G1/100
BL (0°-30°)	614.7	7.2	B2/1000		
BM (30°-60°)	1216.8	14.2	B2/2500		
BH (60°-80°)	463.0	5.4	B1/500		G1/500
BVH (80°-90°)	19.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8
2.5°	1720.9	1725.3	1720.9	1728.3	1713.6	1707.0	1690.8	1666.5	1647.4	1644.4	1623.1
5°	1854.8	1864.3	1858.5	1855.5	1835.7	1821.0	1796.7	1748.1	1708.4	1702.5	1660.6
7.5°	1940.8	1947.4	1947.4	1949.7	1942.3	1925.4	1899.6	1842.3	1786.4	1777.6	1714.3
10°	1969.5	1974.7	1984.2	2002.6	2017.3	2022.5	2005.5	1950.4	1882.0	1873.2	1784.9
12.5°	1976.1	1982.0	1996.7	2030.6	2071.0	2107.8	2110.7	2070.3	1993.8	1984.2	1866.5
15°	1988.6	1994.5	2014.4	2056.3	2115.9	2186.5	2229.9	2201.9	2117.3	2107.0	1959.2
17.5°	1987.2	1993.8	2023.2	2079.1	2159.3	2261.5	2345.3	2357.1	2269.6	2251.9	2064.4
20°	1983.5	1989.4	2021.0	2089.4	2188.7	2329.1	2480.6	2541.7	2447.5	2431.4	2187.2
22.5°	2012.9	2019.5	2043.8	2100.4	2204.1	2381.4	2605.7	2752.8	2658.6	2635.8	2328.4
25°	2079.1	2088.7	2103.4	2142.3	2232.1	2427.7	2733.6	2991.8	2895.4	2868.2	2482.1
27.5°	2181.3	2193.1	2213.7	2232.1	2294.6	2486.5	2860.9	3259.5	3163.1	3134.4	2644.6
30°	2306.3	2321.8	2348.3	2360.8	2403.4	2573.3	2999.1	3535.3	3479.4	3439.7	2827.8
32.5°	2479.2	2500.5	2525.5	2529.2	2554.9	2705.0	3135.9	3808.8	3808.1	3780.2	3035.9
35°	2704.2	2727.0	2732.2	2737.3	2749.8	2885.9	3301.4	4058.2	4154.5	4122.1	3262.4
37.5°	2949.9	2982.9	2991.0	2968.2	2985.9	3103.6	3487.5	4258.2	4456.0	4421.5	3481.6
40°	3212.4	3225.6	3247.7	3211.7	3233.7	3352.9	3669.9	4386.2	4681.1	4644.3	3654.4
42.5°	3400.7	3424.9	3458.0	3444.8	3457.3	3566.2	3797.8	4447.9	4841.4	4804.6	3778.7
45°	3605.1	3612.5	3633.8	3630.9	3638.2	3739.7	3889.7	4475.2	4984.8	4951.7	3884.6
47.5°	3783.1	3794.1	3808.1	3791.9	3775.8	3841.9	3964.8	4498.7	5150.3	5110.6	3995.7
50°	3954.5	3964.0	3980.9	3933.9	3873.6	3890.5	4001.5	4531.1	5305.5	5277.5	4083.2
52.5°	3986.1	3996.4	4075.8	4085.4	4008.2	3948.6	4066.3	4602.4	5396.7	5379.0	4114.8
55°	3588.2	3606.6	3764.7	3946.4	4136.9	4117.7	4169.9	4639.9	5432.7	5437.1	4171.4
57.5°	2785.1	2811.6	3042.5	3291.8	3692.6	4024.3	4183.2	4630.3	5420.2	5444.5	4229.5
60°	1826.8	1842.3	2115.9	2395.3	2810.9	3269.8	3744.1	4458.2	5309.1	5343.7	4214.8
62.5°	1103.2	1120.8	1340.7	1552.5	1797.4	2104.1	2539.5	3583.1	4450.2	4527.4	3375.7
65°	770.0	793.5	986.2	1160.5	1245.1	1181.9	1286.3	2001.1	2772.6	2805.0	2062.9
67.5°	558.2	574.4	732.5	939.9	1033.3	834.7	636.2	886.2	1207.6	1219.4	850.9
70°	365.5	383.9	527.3	715.6	843.6	676.6	475.8	479.5	508.2	514.1	494.2
72.5°	200.8	211.8	325.8	475.1	498.6	404.5	371.4	398.6	418.5	418.5	423.6
75°	103.7	113.3	133.1	156.6	189.0	221.4	267.7	308.1	329.5	330.9	328.7
77.5°	53.0	56.6	71.3	77.2	84.6	98.5	128.0	164.0	183.1	190.5	189.0
80°	25.0	26.5	30.2	35.3	43.4	55.2	69.1	82.4	94.1	95.6	103.7
82.5°	13.2	14.7	16.2	19.1	23.5	29.4	40.4	48.5	55.9	57.4	64.0
85°	5.1	5.9	6.6	7.4	10.3	12.5	16.9	22.8	27.9	27.9	33.1
87.5°	0.0	0.0	0.0	0.0	0.7	1.5	2.9	3.7	5.1	5.1	8.8
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°	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8	1601.8
2.5°	1618.0	1596.6	1587.1	1571.6	1559.1	1545.2	1534.1	1526.0	1520.9	1518.0	1515.0
5°	1644.4	1612.1	1586.3	1555.5	1534.1	1513.5	1496.6	1484.9	1479.0	1474.6	1471.6
7.5°	1685.6	1642.2	1593.7	1545.9	1508.4	1475.3	1454.0	1441.5	1433.4	1430.4	1428.2
10°	1742.3	1682.0	1601.8	1526.0	1470.1	1434.1	1419.4	1413.5	1414.3	1412.8	1412.0
12.5°	1806.2	1723.9	1599.6	1490.7	1429.0	1407.6	1408.4	1417.9	1429.0	1431.9	1432.6
15°	1875.4	1765.1	1578.3	1445.1	1396.6	1398.8	1417.9	1440.7	1461.3	1469.4	1470.9
17.5°	1950.4	1799.6	1539.3	1395.1	1370.1	1393.7	1429.0	1466.5	1496.6	1509.9	1513.5
20°	2034.2	1829.0	1484.1	1345.9	1345.1	1384.1	1435.6	1484.9	1523.1	1540.7	1543.7
22.5°	2123.2	1847.4	1416.5	1300.3	1319.4	1371.6	1430.4	1481.9	1522.4	1540.0	1543.7
25°	2212.9	1853.3	1342.2	1258.3	1292.9	1351.7	1405.4	1446.6	1484.9	1500.3	1503.2
27.5°	2296.8	1836.4	1271.6	1222.3	1268.6	1322.3	1358.4	1380.4	1406.9	1418.7	1420.9
30°	2382.1	1802.6	1212.0	1193.6	1241.4	1281.9	1298.1	1299.5	1309.8	1309.8	1311.3
32.5°	2468.1	1752.6	1159.8	1165.7	1207.6	1234.1	1236.3	1219.4	1206.9	1186.3	1185.5
35°	2567.4	1701.8	1117.1	1134.0	1167.9	1184.1	1177.4	1145.1	1114.9	1081.1	1079.6
37.5°	2659.4	1649.6	1081.1	1101.7	1123.0	1134.8	1119.3	1080.4	1055.4	1020.8	1015.6
40°	2735.1	1602.5	1046.5	1067.9	1078.2	1088.5	1063.4	1031.8	1035.5	1016.4	1015.6
42.5°	2779.2	1556.9	1014.2	1030.4	1037.0	1044.3	1022.3	998.7	1018.6	1003.9	1004.6
45°	2811.6	1517.2	984.8	990.6	1006.8	1017.9	997.3	970.8	975.2	918.6	905.3
47.5°	2848.4	1495.2	956.8	950.9	979.6	998.7	967.1	928.9	902.4	846.5	841.3
50°	2887.3	1487.1	927.4	911.2	945.8	964.2	927.4	879.6	845.0	814.9	811.9
52.5°	2900.6	1486.3	890.6	863.4	898.0	923.7	892.8	844.3	803.1	773.7	772.2
55°	2952.8	1507.7	843.6	798.0	830.3	883.3	860.5	790.6	757.5	744.3	742.8
57.5°	3013.8	1511.3	769.3	726.6	771.5	834.0	805.3	745.0	709.0	692.8	691.3
60°	2988.8	1420.9	689.8	672.2	721.5	787.7	761.2	709.0	667.0	651.6	650.1
62.5°	2277.7	1003.1	631.7	625.1	667.8	720.7	715.6	661.2	621.4	610.4	608.9
65°	1370.1	704.6	575.9	575.1	605.3	656.0	662.6	618.5	576.6	561.1	561.1
67.5°	677.3	539.1	512.6	508.9	528.0	564.1	592.0	556.0	520.7	506.0	503.8
70°	478.8	475.1	466.3	456.0	459.7	474.4	486.1	456.0	418.5	403.8	400.8
72.5°	414.1	414.8	408.9	400.8	397.9	387.6	377.3	355.2	332.4	317.0	318.4
75°	321.4	322.9	326.5	323.6	315.5	304.5	293.4	265.5	247.1	232.4	229.5
77.5°	187.5	194.9	206.7	203.7	205.2	189.7	185.3	158.1	141.2	130.9	128.7
80°	105.9	110.3	115.5	119.1	114.7	108.1	98.5	83.8	78.7	71.3	69.9
82.5°	64.0	68.4	70.6	73.5	72.1	63.2	55.9	46.3	41.9	38.2	37.5
85°	32.4	35.3	37.5	39.0	34.6	28.7	25.7	20.6	17.7	15.4	15.4
87.5°	8.1	8.8	10.3	8.8	8.1	3.7	2.9	0.7	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)