

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: P631457

Luminaire Tested: GWS-SA1F-760-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631457
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-760-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7254.7 lumens
Efficiency: N/A
Efficacy: 108.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

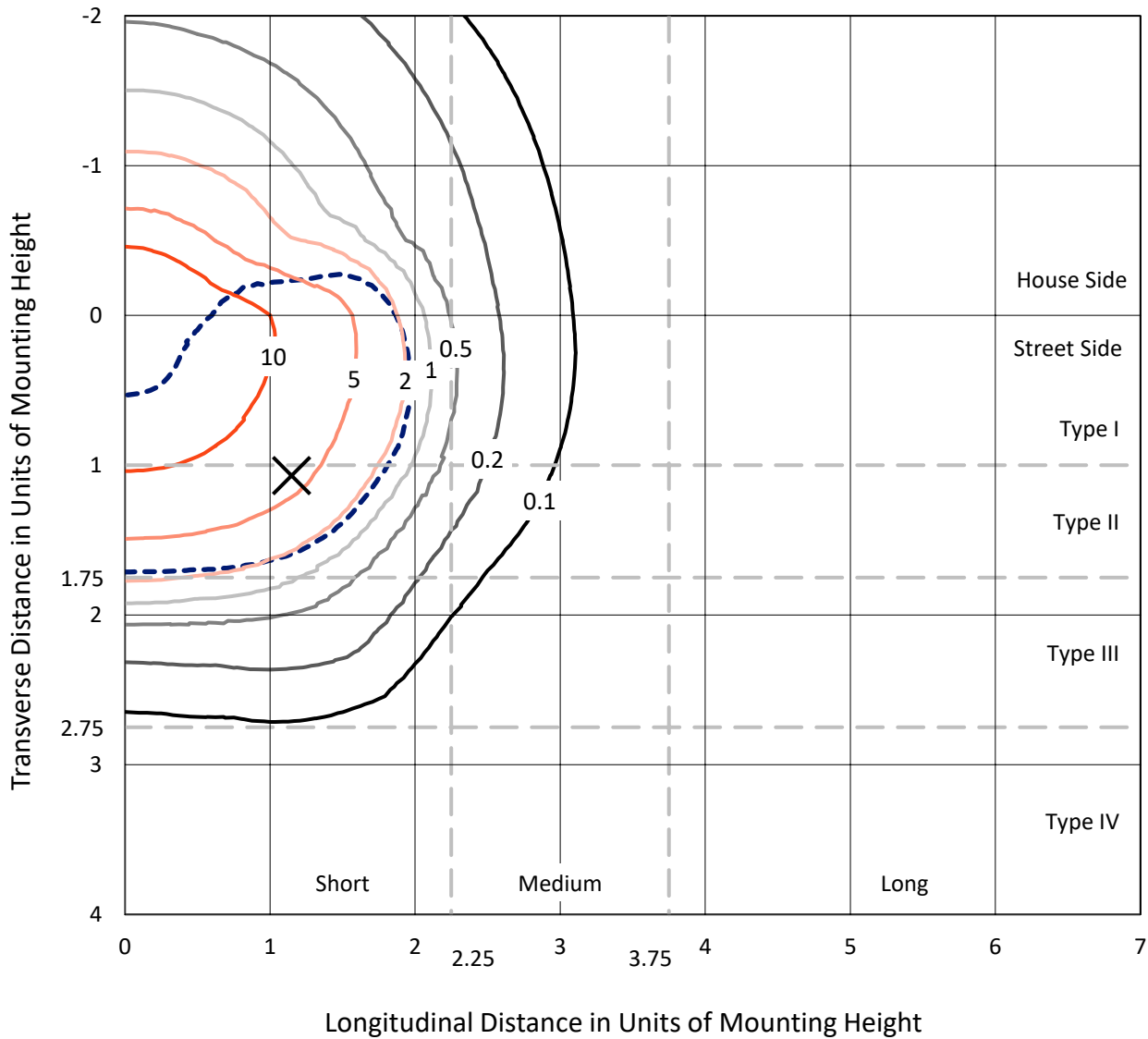
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

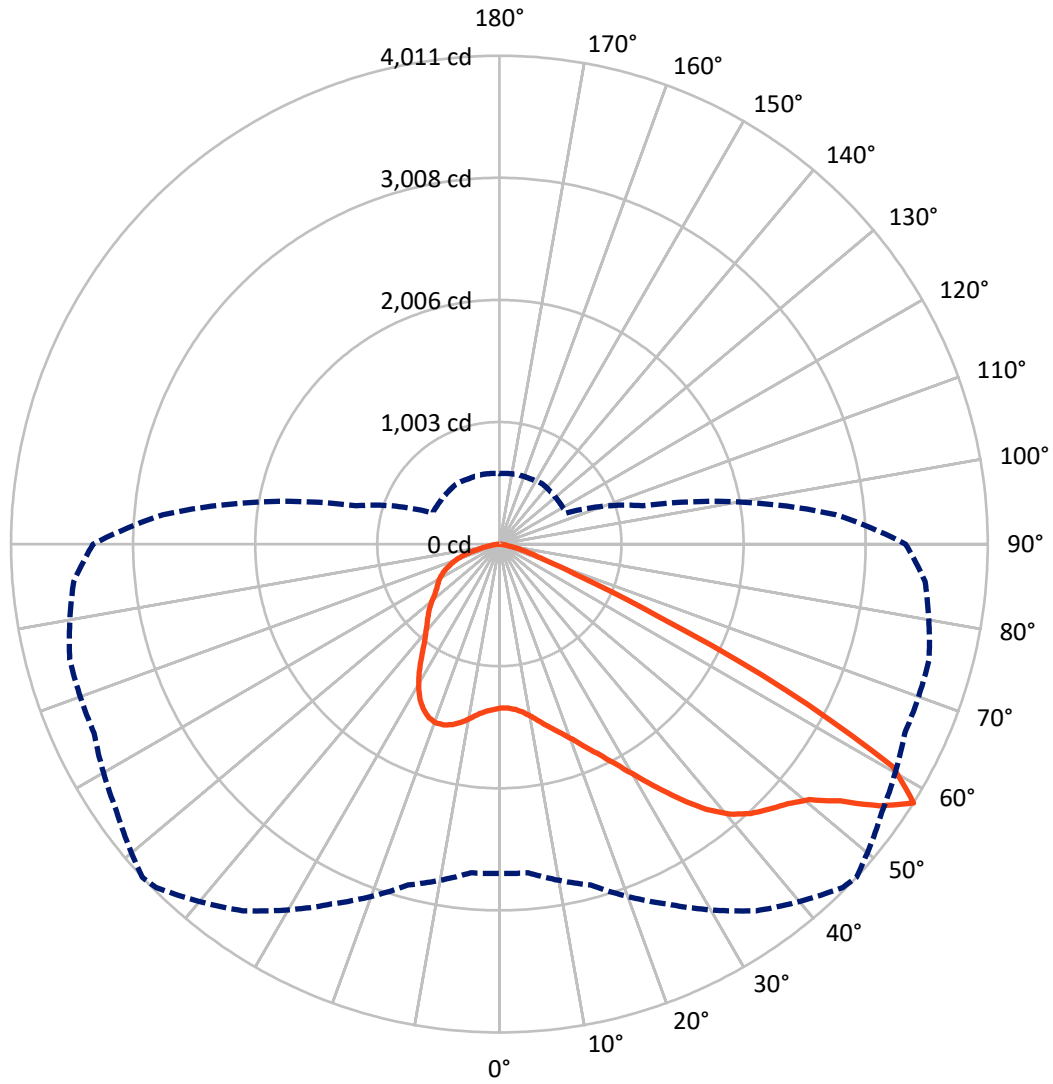
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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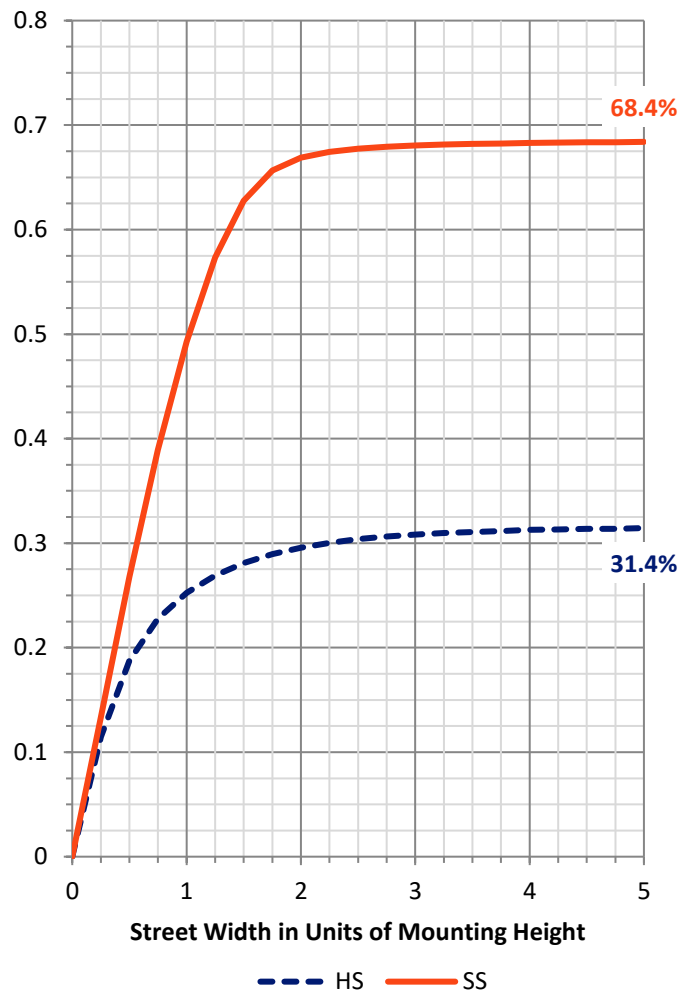
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2296.1	0.0	2296.1
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	4958.6	0.0	4958.6
	% Fixture	68.4	0.0	68.4
Total	Lumens	7254.7	0.0	7254.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.7	1.8
10°-20°	436.5	6.0
20°-30°	785.9	10.8
30°-40°	1187.0	16.4
40°-50°	1598.4	22.0
50°-60°	1920.7	26.5
60°-70°	935.4	12.9
70°-80°	230.4	3.2
80°-90°	27.7	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°	7254.7	100.0
0°-180°	7254.7	100.0

Coefficient of Utilization



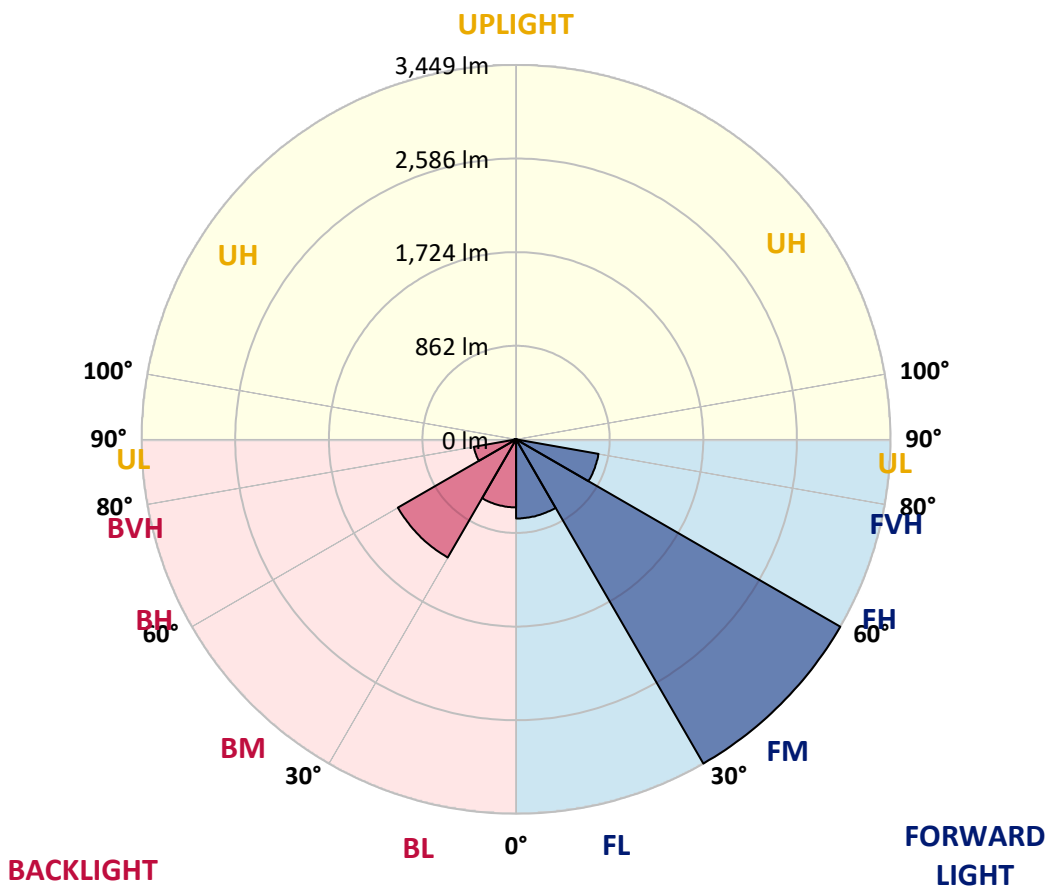
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	728.7	10.0			
FM (30°-60°)	3448.5	47.5			
FH (60°-80°)	771.0	10.6			G1/1800
FVH (80°-90°)	10.4	0.1			G1/100
BL (0°-30°)	626.3	8.6	B2/1000		
BM (30°-60°)	1257.6	17.3	B2/2500		
BH (60°-80°)	394.9	5.4	B1/500		G1/500
BVH (80°-90°)	17.3	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°	47°	55°	65°	75°	85°
0°	1345.4	1345.4	1345.4	1345.4	1345.4	1345.4	1345.4	1345.4	1345.4	1345.4	1345.4
2.5°	1343.0	1342.3	1342.3	1346.0	1346.0	1347.2	1349.1	1350.9	1351.5	1348.4	1341.7
5°	1357.6	1357.6	1357.6	1360.6	1360.6	1361.8	1364.3	1364.9	1364.3	1359.4	1352.7
7.5°	1380.7	1380.7	1381.3	1385.0	1388.0	1389.9	1394.1	1393.5	1391.7	1383.8	1375.3
10°	1418.5	1420.3	1422.2	1426.4	1432.5	1436.8	1439.8	1439.8	1437.4	1425.2	1414.2
12.5°	1472.1	1474.6	1476.4	1480.1	1484.9	1492.2	1498.9	1498.9	1495.9	1480.7	1464.2
15°	1534.9	1537.3	1536.7	1537.9	1547.1	1557.4	1562.9	1566.6	1567.8	1546.5	1520.9
17.5°	1606.8	1609.2	1606.8	1603.1	1604.4	1620.8	1630.6	1644.0	1651.9	1623.2	1582.4
20°	1672.0	1669.6	1669.6	1672.0	1675.6	1695.8	1710.4	1732.3	1742.1	1707.3	1644.0
22.5°	1740.8	1746.3	1743.9	1743.9	1758.5	1792.0	1809.7	1838.3	1848.7	1803.6	1718.3
25°	1829.8	1834.7	1833.5	1834.7	1851.7	1899.3	1916.9	1970.0	1980.3	1915.7	1800.6
27.5°	1927.3	1935.2	1938.9	1937.7	1965.1	2027.2	2049.2	2122.9	2141.8	2041.2	1888.3
30°	2054.0	2062.6	2065.6	2064.4	2096.7	2181.4	2206.4	2290.5	2317.3	2189.9	1999.8
32.5°	2200.9	2209.4	2218.6	2222.2	2263.7	2350.2	2386.1	2473.3	2511.6	2361.8	2134.5
35°	2346.5	2353.8	2371.5	2400.1	2456.8	2545.2	2576.8	2662.8	2699.9	2540.3	2297.2
37.5°	2507.4	2512.3	2527.5	2567.1	2648.7	2732.8	2764.5	2846.8	2851.0	2712.7	2481.2
40°	2683.5	2683.5	2680.4	2719.4	2804.7	2889.4	2916.8	2964.4	2939.4	2845.6	2660.3
42.5°	2832.8	2830.3	2832.8	2869.3	2932.7	3001.5	3025.3	3016.2	2984.5	2947.3	2822.4
45°	2967.4	2969.3	2991.2	3019.2	3052.1	3092.9	3107.0	3055.2	3026.5	3029.0	2952.2
47.5°	3058.8	3060.7	3111.8	3158.8	3178.9	3191.7	3185.6	3113.7	3099.0	3126.5	3052.1
50°	3071.0	3080.8	3169.1	3265.4	3315.3	3317.2	3300.1	3212.4	3208.1	3239.2	3105.7
52.5°	3073.4	3083.2	3193.5	3367.1	3496.9	3524.3	3504.9	3413.5	3369.0	3337.9	3171.5
55°	3064.3	3075.3	3197.1	3435.4	3684.0	3793.7	3795.5	3666.3	3524.3	3503.6	3359.2
57.5°	2705.4	2709.7	2898.6	3261.7	3676.7	3987.4	4011.2	3835.7	3673.6	3654.1	3509.7
60°	1884.6	1901.7	2107.1	2586.6	3088.7	3636.5	3713.2	3662.1	3553.6	3411.6	3011.3
62.5°	943.8	958.5	1164.4	1617.8	2130.2	2562.8	2645.1	2699.3	2724.9	2572.6	2050.4
65°	406.4	417.4	545.3	845.1	1205.9	1414.9	1443.5	1508.7	1668.3	1488.6	1104.7
67.5°	271.8	279.1	344.3	515.5	710.5	723.9	719.6	733.6	768.4	634.3	499.0
70°	208.4	214.5	258.4	377.8	510.6	436.9	413.7	375.3	407.6	415.6	404.6
72.5°	151.1	156.0	188.9	257.7	319.9	279.1	275.4	294.9	338.8	351.0	344.3
75°	97.5	99.9	120.0	141.4	165.1	179.1	186.5	221.8	266.3	275.4	267.5
77.5°	65.2	67.0	78.6	90.8	93.8	94.4	96.9	112.7	143.2	160.3	158.4
80°	34.1	34.1	38.4	38.4	43.9	52.4	54.8	65.2	79.2	87.7	88.4
82.5°	13.4	14.0	16.5	18.3	21.9	26.8	28.6	34.1	41.4	47.5	53.0
85°	5.5	6.1	6.7	7.9	9.7	12.2	12.8	14.6	19.5	24.4	27.4
87.5°	0.0	0.0	0.6	0.6	1.2	1.8	1.8	2.4	3.0	5.5	7.3
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°	1345.4	1345.4	1345.4	1345.4	1345.4	1345.4	1345.4	1345.4	1345.4	1345.4	1345.4
2.5°	1349.7	1341.7	1349.7	1352.1	1358.8	1361.2	1357.0	1356.4	1356.4	1350.3	1348.4
5°	1358.8	1351.5	1359.4	1363.1	1372.8	1378.9	1380.1	1385.0	1388.0	1385.6	1385.0
7.5°	1381.3	1372.2	1380.7	1386.2	1399.0	1408.8	1413.0	1424.0	1431.9	1430.7	1430.1
10°	1421.0	1408.8	1418.5	1427.7	1441.7	1453.2	1453.9	1459.9	1467.9	1465.4	1464.2
12.5°	1466.7	1455.1	1466.0	1475.2	1491.6	1496.5	1488.6	1486.1	1487.4	1484.3	1481.9
15°	1522.7	1506.3	1516.0	1526.4	1535.5	1530.0	1513.0	1506.3	1505.6	1501.4	1498.9
17.5°	1578.8	1558.0	1565.4	1570.8	1566.6	1549.5	1528.2	1516.6	1511.1	1502.6	1500.2
20°	1634.2	1608.0	1606.8	1602.5	1583.0	1552.0	1523.3	1500.2	1486.1	1474.6	1470.3
22.5°	1697.6	1661.0	1642.7	1623.2	1580.6	1530.0	1486.8	1453.9	1431.3	1416.7	1411.8
25°	1765.8	1714.0	1676.3	1637.3	1556.2	1483.1	1422.8	1377.7	1350.9	1335.0	1329.6
27.5°	1833.5	1762.2	1705.5	1639.1	1507.5	1415.5	1334.4	1273.5	1246.7	1233.9	1229.6
30°	1924.9	1826.2	1740.2	1615.3	1443.5	1321.6	1220.5	1158.9	1141.3	1132.1	1128.5
32.5°	2030.3	1907.2	1786.5	1565.4	1361.8	1212.0	1105.3	1062.7	1050.5	1032.8	1032.2
35°	2169.2	2023.0	1830.4	1491.6	1258.9	1094.4	1017.0	986.5	964.6	936.5	934.1
37.5°	2331.3	2167.4	1854.2	1397.8	1138.8	997.5	951.2	917.0	881.7	844.5	839.7
40°	2498.9	2336.2	1856.0	1286.9	1021.2	933.5	894.5	850.0	806.1	764.7	759.2
42.5°	2674.9	2493.4	1823.7	1158.9	925.0	878.0	838.4	782.4	733.0	705.0	701.9
45°	2832.2	2620.1	1750.6	1024.3	853.7	831.7	781.2	720.8	694.6	674.5	670.3
47.5°	2955.8	2704.2	1651.9	903.6	795.8	784.2	718.4	687.3	667.2	648.9	644.7
50°	3016.8	2723.1	1523.3	805.5	742.2	728.1	683.1	659.3	645.9	631.3	627.6
52.5°	3092.3	2744.4	1412.4	723.3	689.8	670.9	653.8	634.9	625.2	616.0	613.0
55°	3266.0	2824.8	1353.9	657.5	639.8	631.3	628.8	613.0	609.9	603.8	598.4
57.5°	3336.7	2773.0	1215.6	603.8	600.2	601.4	607.5	592.9	589.8	582.5	578.9
60°	2683.5	2096.1	823.2	557.5	567.3	575.2	581.3	566.7	562.4	561.2	556.3
62.5°	1719.5	1289.3	574.6	514.3	528.9	538.6	542.3	528.3	525.2	535.0	535.6
65°	895.1	702.6	466.1	468.0	480.1	494.8	502.1	497.2	496.0	506.4	507.0
67.5°	457.0	429.6	406.4	413.1	422.9	441.8	458.8	480.1	487.5	488.7	489.3
70°	389.4	377.2	365.6	369.9	380.2	390.6	407.0	417.4	405.2	402.2	400.9
72.5°	331.5	322.3	316.9	321.7	327.2	325.4	320.5	325.4	327.2	327.8	328.4
75°	257.7	251.0	246.8	247.4	247.4	240.7	231.5	226.1	220.0	215.1	215.1
77.5°	157.8	159.0	163.3	162.7	162.1	159.6	150.5	145.6	131.0	126.7	126.7
80°	90.2	92.0	96.3	97.5	97.5	94.4	85.3	79.8	73.1	70.1	69.5
82.5°	54.8	57.3	59.7	60.9	61.5	57.9	50.0	45.7	42.0	39.0	39.0
85°	28.6	29.9	32.3	32.9	31.1	27.4	23.2	21.3	17.7	17.1	17.1
87.5°	7.9	8.5	9.7	7.9	7.3	5.5	3.0	2.4	1.2	0.6	0.6
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)