

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: P634419

Luminaire Tested: GWS-SA3B-760-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634419
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8749.1 lumens
Efficiency: N/A
Efficacy: 128.1 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

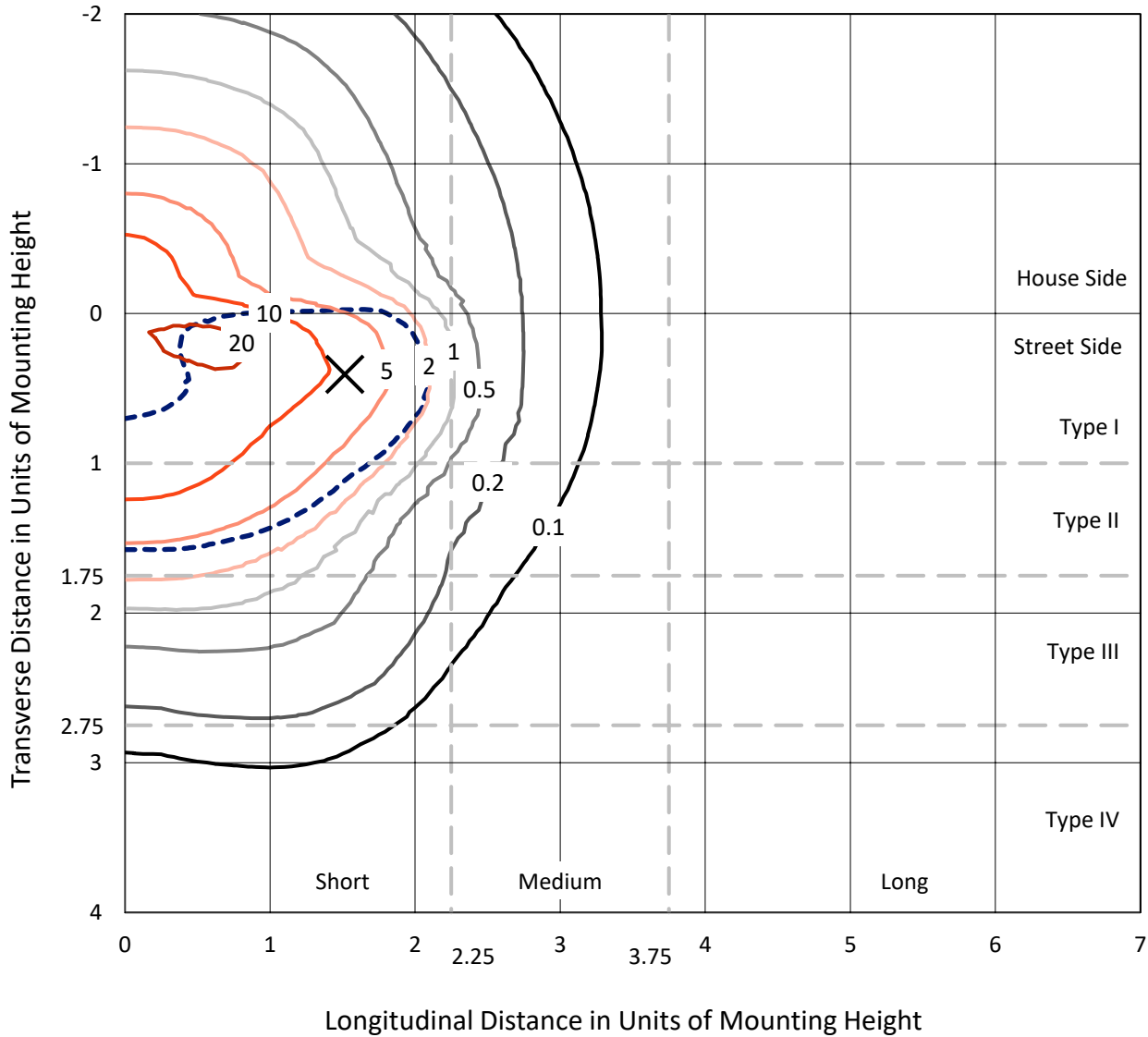
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

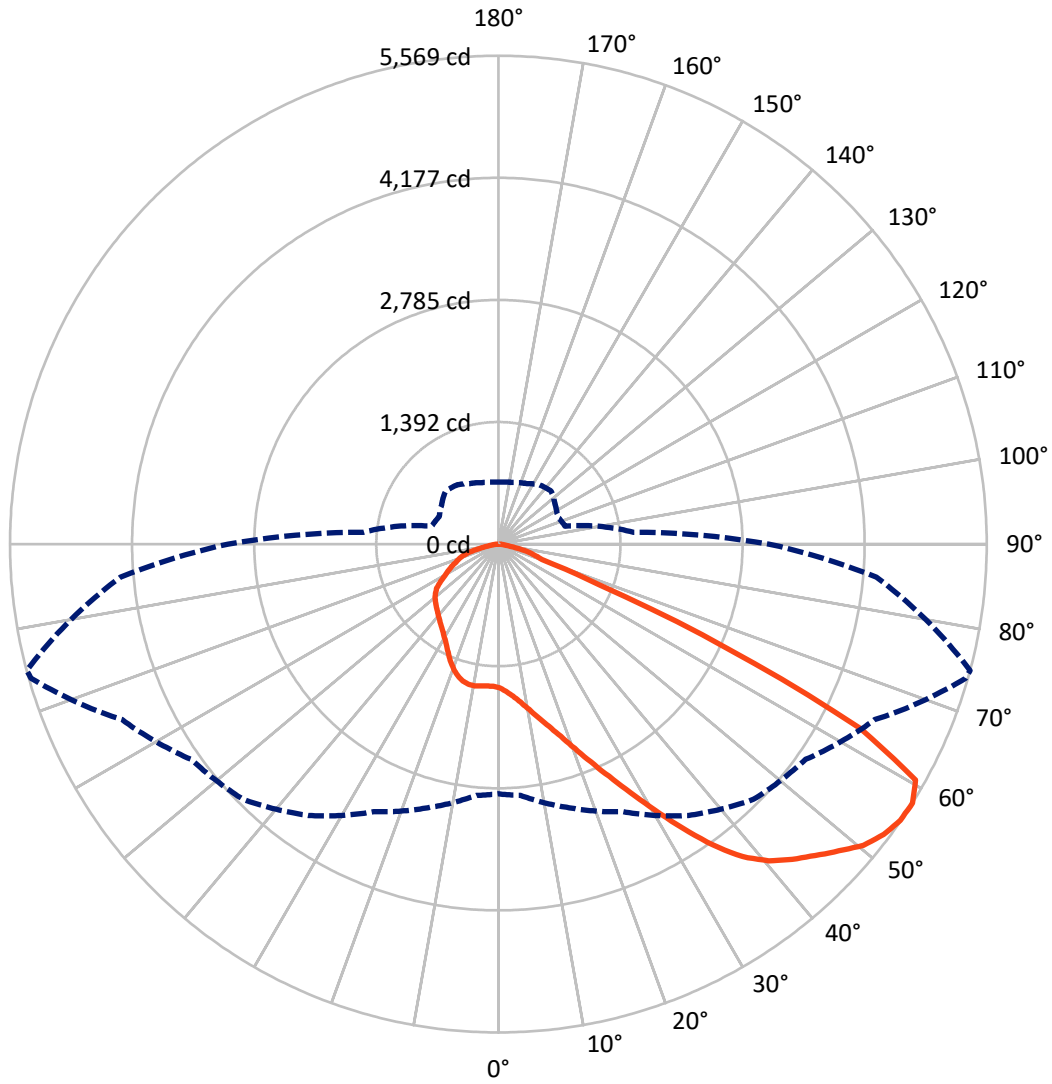
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.2 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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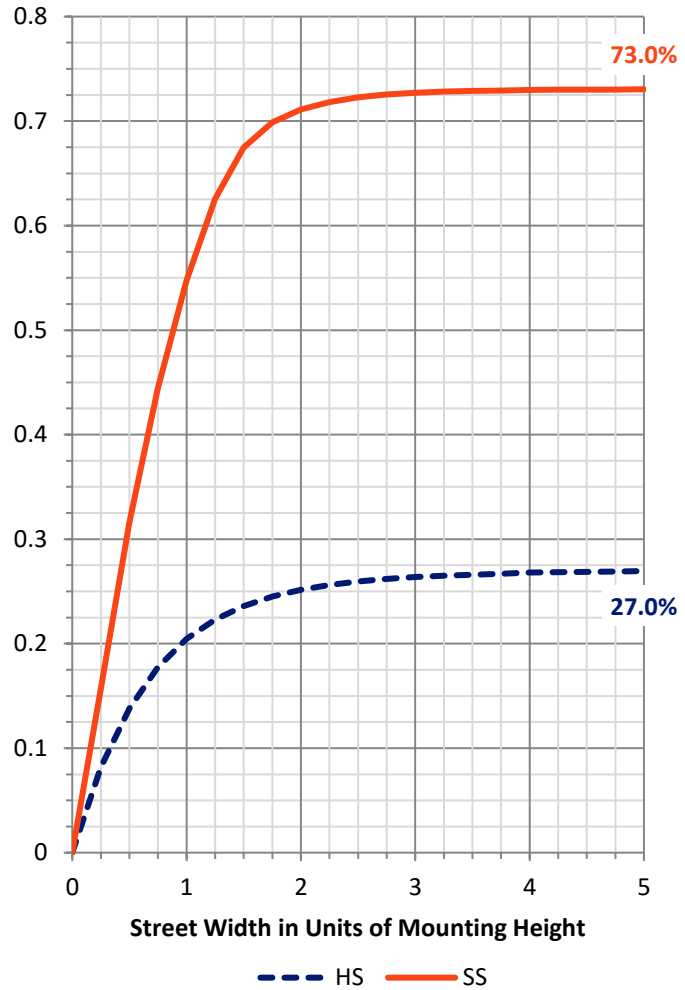
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2366.8	0.0	2366.8
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	6382.3	0.0	6382.3
	% Fixture	72.9	0.0	72.9
Total	Lumens	8749.1	0.0	8749.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.0	1.9
10°-20°	522.0	6.0
20°-30°	925.8	10.6
30°-40°	1417.2	16.2
40°-50°	1973.4	22.6
50°-60°	2261.1	25.8
60°-70°	1161.8	13.3
70°-80°	292.5	3.3
80°-90°	31.3	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°	8749.1	100.0
0°-180°	8749.1	100.0

Coefficient of Utilization



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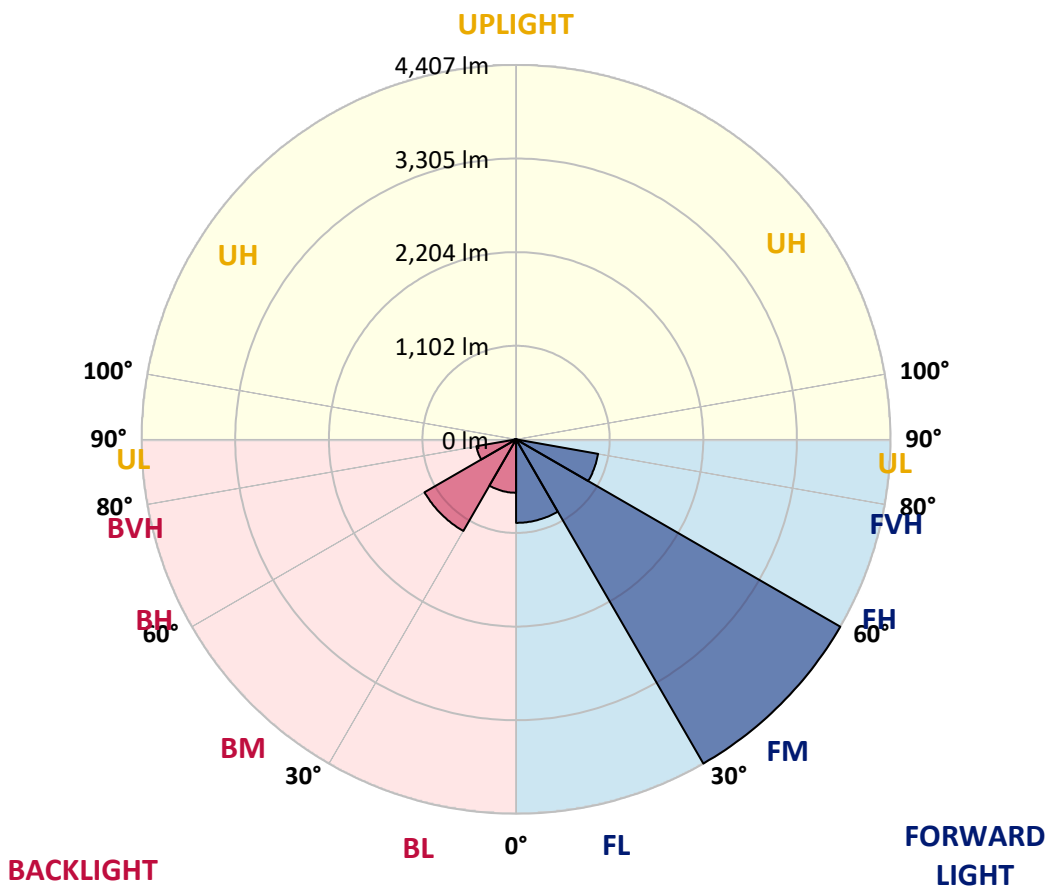
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	983.0	11.2			
FM (30°-60°)	4407.0	50.4			
FH (60°-80°)	980.7	11.2			G1/1800
FVH (80°-90°)	11.6	0.1			G1/100
BL (0°-30°)	628.8	7.2	B2/1000		
BM (30°-60°)	1244.7	14.2	B2/2500		
BH (60°-80°)	473.6	5.4	B1/500		G1/500
BVH (80°-90°)	19.7	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°	1638.5	1638.5	1638.5	1638.5	1638.5	1638.5	1638.5	1638.5	1638.5	1638.5	1638.5
2.5°	1760.4	1764.9	1760.4	1767.9	1752.8	1746.1	1729.5	1704.7	1685.1	1682.1	1660.3
5°	1897.3	1907.1	1901.0	1898.0	1877.7	1862.7	1837.9	1788.2	1747.6	1741.6	1698.7
7.5°	1985.3	1992.1	1992.1	1994.3	1986.8	1969.5	1943.2	1884.5	1827.3	1818.3	1753.6
10°	2014.6	2019.9	2029.7	2048.5	2063.5	2068.8	2051.5	1995.1	1925.1	1916.1	1825.8
12.5°	2021.4	2027.4	2042.5	2077.1	2118.5	2156.1	2159.1	2117.7	2039.5	2029.7	1909.3
15°	2034.2	2040.2	2060.5	2103.4	2164.3	2236.6	2281.0	2252.4	2165.9	2155.3	2004.1
17.5°	2032.7	2039.5	2069.6	2126.7	2208.7	2313.3	2399.1	2411.1	2321.6	2303.5	2111.7
20°	2028.9	2035.0	2067.3	2137.3	2238.8	2382.5	2537.5	2599.9	2503.6	2487.1	2237.3
22.5°	2059.0	2065.8	2090.6	2148.6	2254.6	2435.9	2665.4	2815.8	2719.5	2696.2	2381.8
25°	2126.7	2136.5	2151.6	2191.4	2283.2	2483.3	2796.3	3060.3	2961.8	2933.9	2539.0
27.5°	2231.3	2243.3	2264.4	2283.2	2347.2	2543.5	2926.4	3334.2	3235.6	3206.3	2705.2
30°	2359.2	2375.0	2402.1	2414.9	2458.5	2632.3	3067.9	3616.3	3559.1	3518.5	2892.6
32.5°	2536.0	2557.8	2583.4	2587.1	2613.5	2766.9	3207.8	3896.1	3895.4	3866.8	3105.5
35°	2766.2	2789.5	2794.8	2800.0	2812.8	2952.0	3377.0	4151.2	4249.7	4216.6	3337.2
37.5°	3017.5	3051.3	3059.6	3036.3	3054.3	3174.7	3567.4	4355.8	4558.1	4522.8	3561.4
40°	3286.0	3299.6	3322.1	3285.3	3307.8	3429.7	3753.9	4486.7	4788.4	4750.7	3738.1
42.5°	3478.6	3503.4	3537.3	3523.7	3536.5	3647.9	3884.8	4549.9	4952.4	4914.7	3865.3
45°	3687.7	3695.3	3717.1	3714.1	3721.6	3825.4	3978.9	4577.7	5099.0	5065.2	3973.6
47.5°	3869.8	3881.1	3895.4	3878.8	3862.3	3930.0	4055.6	4601.8	5268.3	5227.7	4087.2
50°	4045.1	4054.9	4072.2	4024.0	3962.3	3979.6	4093.2	4634.9	5427.0	5398.5	4176.7
52.5°	4077.4	4088.0	4169.2	4179.0	4100.0	4039.1	4159.4	4707.9	5520.3	5502.3	4209.1
55°	3670.4	3689.2	3851.0	4036.8	4231.7	4212.1	4265.5	4746.2	5557.2	5561.7	4267.0
57.5°	2848.9	2876.0	3112.2	3367.3	3777.3	4116.6	4279.0	4736.4	5544.4	5569.2	4326.4
60°	1868.7	1884.5	2164.3	2450.2	2875.3	3344.7	3829.9	4560.4	5430.8	5466.2	4311.4
62.5°	1128.4	1146.5	1371.4	1588.1	1838.6	2152.3	2597.7	3665.2	4552.1	4631.1	3453.0
65°	787.7	811.7	1008.8	1187.1	1273.6	1208.9	1315.8	2047.0	2836.1	2869.2	2110.2
67.5°	571.0	587.5	749.3	961.4	1057.0	853.9	650.7	906.5	1235.3	1247.3	870.4
70°	373.9	392.7	539.4	732.0	862.9	692.1	486.7	490.5	519.8	525.9	505.5
72.5°	205.4	216.7	333.3	486.0	510.1	413.8	379.9	407.7	428.1	428.1	433.3
75°	106.1	115.9	136.2	160.2	193.3	226.4	273.8	315.2	337.0	338.5	336.3
77.5°	54.2	57.9	73.0	79.0	86.5	100.8	130.9	167.8	187.3	194.8	193.3
80°	25.6	27.1	30.8	36.1	44.4	56.4	70.7	84.3	96.3	97.8	106.1
82.5°	13.5	15.0	16.6	19.6	24.1	30.1	41.4	49.7	57.2	58.7	65.4
85°	5.3	6.0	6.8	7.5	10.5	12.8	17.3	23.3	28.6	28.6	33.9
87.5°	0.0	0.0	0.0	0.0	0.8	1.5	3.0	3.8	5.3	5.3	9.0
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°	1638.5	1638.5	1638.5	1638.5	1638.5	1638.5	1638.5	1638.5	1638.5	1638.5	1638.5
2.5°	1655.0	1633.2	1623.5	1607.7	1594.9	1580.6	1569.3	1561.0	1555.7	1552.7	1549.7
5°	1682.1	1649.0	1622.7	1591.1	1569.3	1548.2	1530.9	1518.9	1512.9	1508.3	1505.3
7.5°	1724.3	1679.9	1630.2	1581.3	1543.0	1509.1	1487.3	1474.5	1466.2	1463.2	1461.0
10°	1782.2	1720.5	1638.5	1561.0	1503.8	1467.0	1451.9	1445.9	1446.7	1445.2	1444.4
12.5°	1847.6	1763.4	1636.2	1524.9	1461.7	1439.9	1440.6	1450.4	1461.7	1464.7	1465.5
15°	1918.3	1805.5	1614.4	1478.3	1428.6	1430.9	1450.4	1473.7	1494.8	1503.1	1504.6
17.5°	1995.1	1840.9	1574.6	1427.1	1401.5	1425.6	1461.7	1500.1	1530.9	1544.5	1548.2
20°	2080.8	1871.0	1518.1	1376.7	1375.9	1415.8	1468.5	1518.9	1558.0	1576.1	1579.1
22.5°	2171.9	1889.8	1448.9	1330.1	1349.6	1403.0	1463.2	1515.9	1557.2	1575.3	1579.1
25°	2263.7	1895.8	1372.9	1287.2	1322.5	1382.7	1437.6	1479.8	1518.9	1534.7	1537.7
27.5°	2349.4	1878.5	1300.7	1250.3	1297.7	1352.6	1389.5	1412.1	1439.1	1451.2	1453.4
30°	2436.7	1843.9	1239.8	1221.0	1269.9	1311.2	1327.8	1329.3	1339.8	1339.8	1341.3
32.5°	2524.7	1792.7	1186.4	1192.4	1235.3	1262.3	1264.6	1247.3	1234.5	1213.5	1212.7
35°	2626.3	1740.8	1142.7	1160.0	1194.6	1211.2	1204.4	1171.3	1140.5	1105.9	1104.4
37.5°	2720.3	1687.4	1105.9	1126.9	1148.8	1160.8	1145.0	1105.1	1079.5	1044.2	1038.9
40°	2797.8	1639.2	1070.5	1092.3	1102.9	1113.4	1087.8	1055.5	1059.2	1039.7	1038.9
42.5°	2842.9	1592.6	1037.4	1054.0	1060.7	1068.3	1045.7	1021.6	1041.9	1026.9	1027.6
45°	2876.0	1552.0	1007.3	1013.3	1029.9	1041.2	1020.1	993.0	997.5	939.6	926.1
47.5°	2913.6	1529.4	978.7	972.7	1002.1	1021.6	989.3	950.1	923.1	865.9	860.6
50°	2953.5	1521.1	948.6	932.1	967.5	986.3	948.6	899.7	864.4	833.5	830.5
52.5°	2967.0	1520.4	911.0	883.2	918.6	944.9	913.3	863.6	821.5	791.4	789.9
55°	3020.5	1542.2	862.9	816.2	849.3	903.5	880.2	808.7	774.9	761.3	759.8
57.5°	3082.9	1546.0	786.9	743.3	789.2	853.1	823.8	762.1	725.2	708.7	707.2
60°	3057.3	1453.4	705.7	687.6	738.0	805.7	778.6	725.2	682.3	666.5	665.0
62.5°	2329.9	1026.1	646.2	639.4	683.1	737.2	732.0	676.3	635.7	624.4	622.9
65°	1401.5	720.7	589.0	588.3	619.1	671.0	677.8	632.7	589.8	574.0	574.0
67.5°	692.9	551.4	524.3	520.6	540.1	577.0	605.6	568.7	532.6	517.6	515.3
70°	489.7	486.0	477.0	466.4	470.2	485.2	497.3	466.4	428.1	413.0	410.0
72.5°	423.5	424.3	418.3	410.0	407.0	396.5	385.9	363.4	340.0	324.2	325.7
75°	328.8	330.3	334.0	331.0	322.7	311.4	300.2	271.6	252.8	237.7	234.7
77.5°	191.8	199.4	211.4	208.4	209.9	194.1	189.6	161.7	144.4	133.9	131.7
80°	108.3	112.8	118.1	121.9	117.4	110.6	100.8	85.8	80.5	73.0	71.5
82.5°	65.4	70.0	72.2	75.2	73.7	64.7	57.2	47.4	42.9	39.1	38.4
85°	33.1	36.1	38.4	39.9	35.4	29.3	26.3	21.1	18.1	15.8	15.8
87.5°	8.3	9.0	10.5	9.0	8.3	3.8	3.0	0.8	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)