

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: P630432

Luminaire Tested: GWS-SA1D-760-U-AFL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630432
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-760-U-AFL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4607.5 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

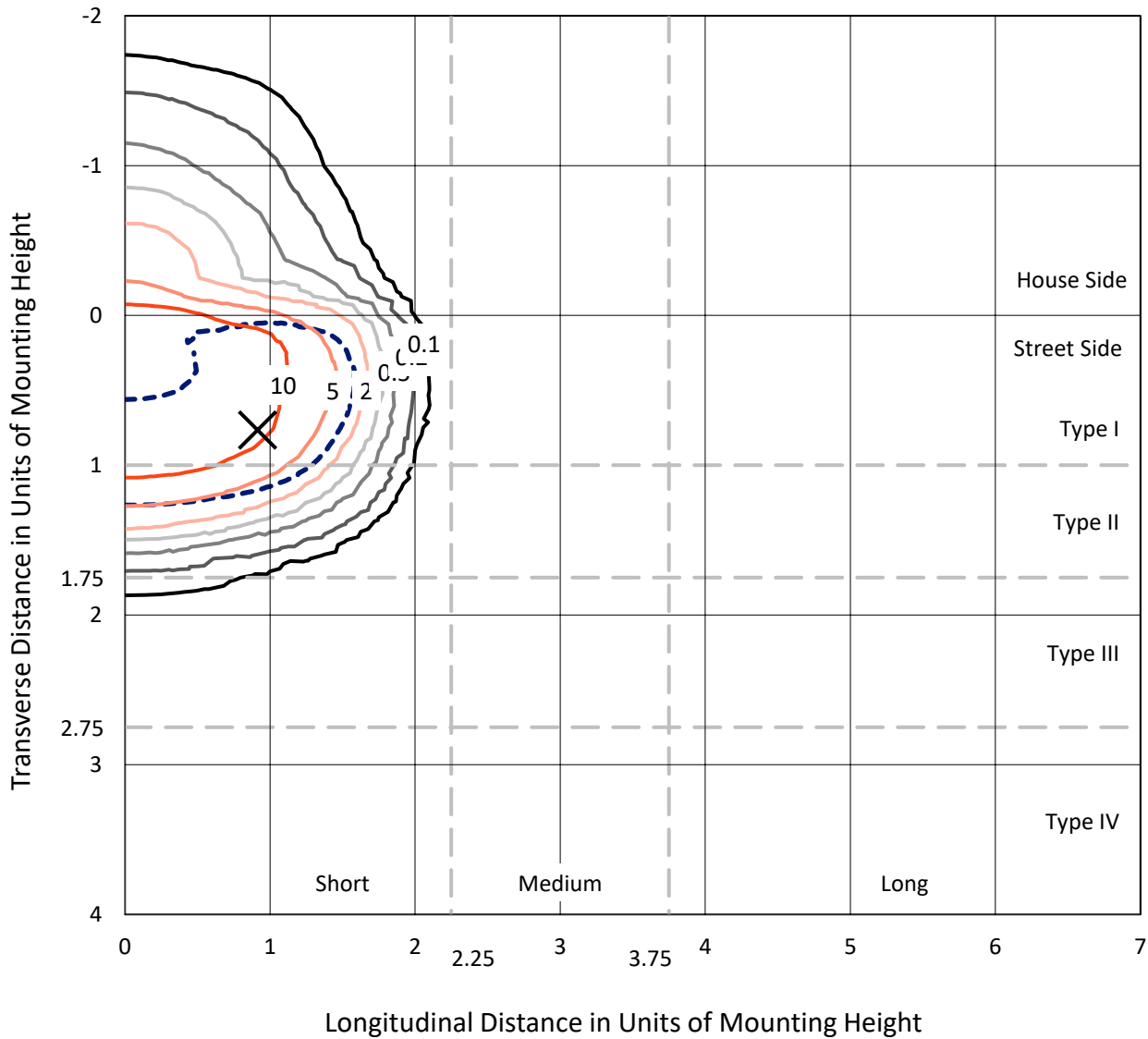
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

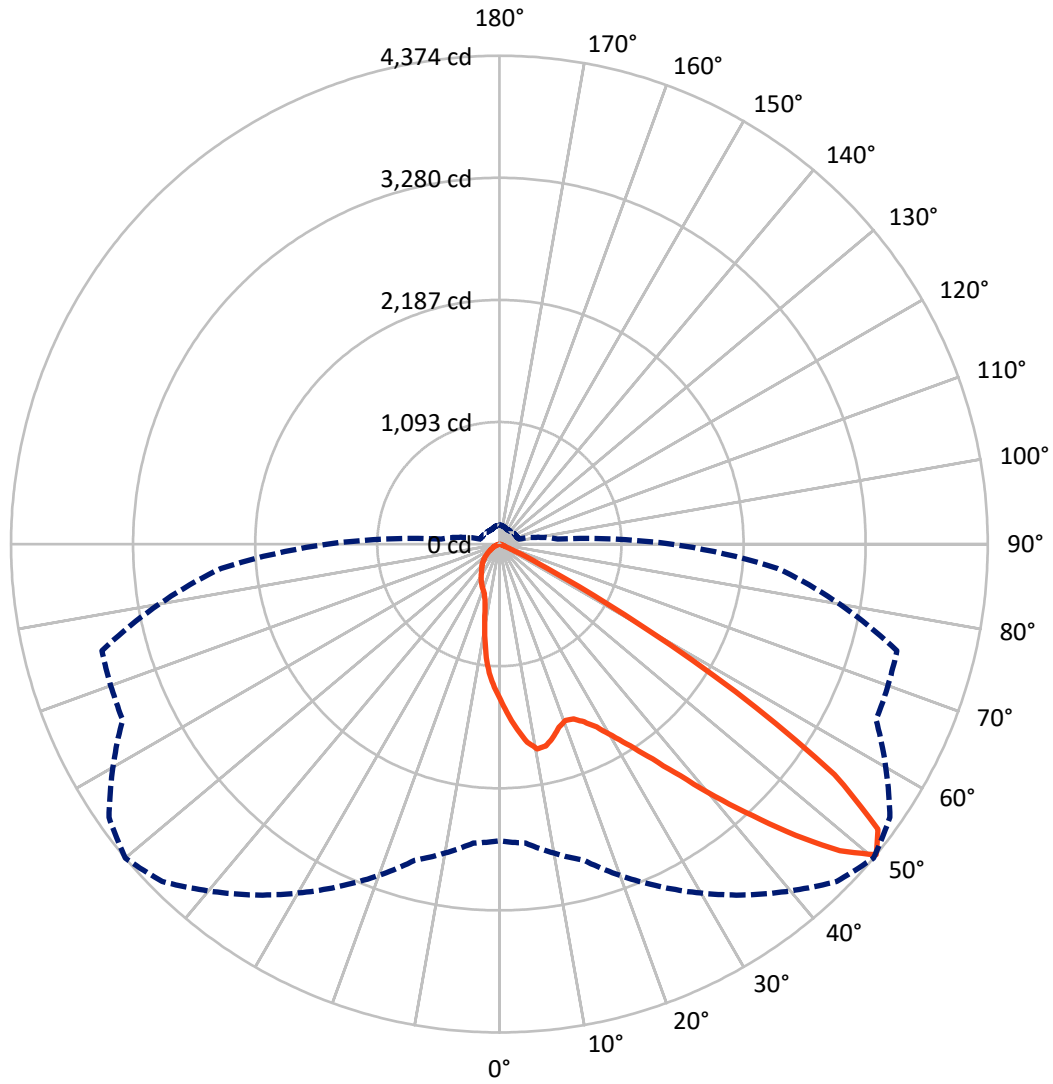
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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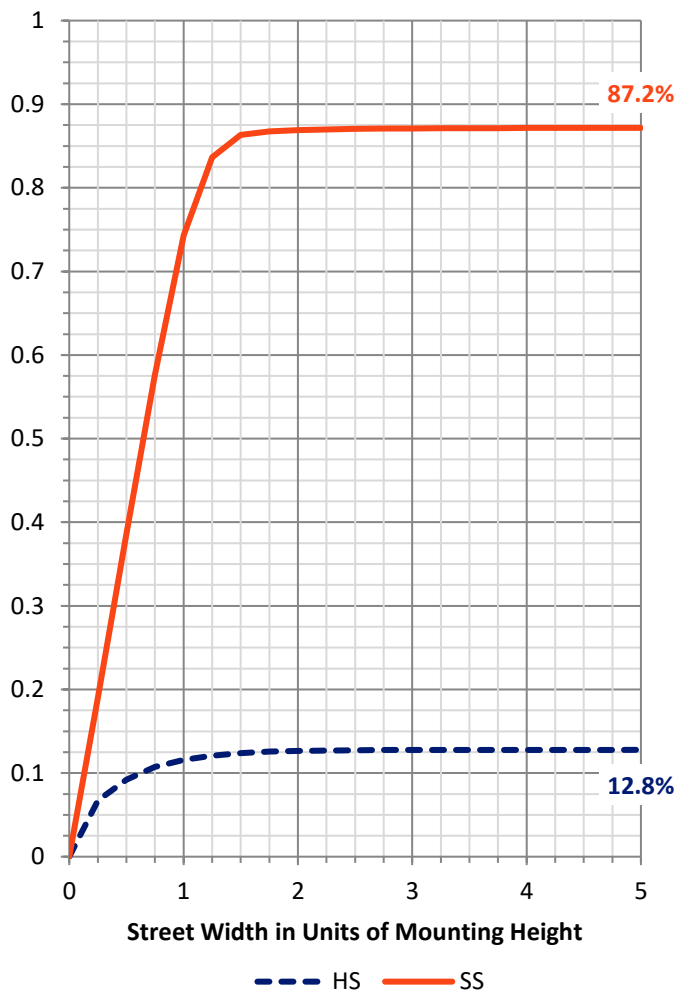
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	592.0	0.0	592.0
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	4015.5	0.0	4015.5
	% Fixture	87.2	0.0	87.2
Total	Lumens	4607.5	0.0	4607.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.5	2.8
10°-20°	334.1	7.3
20°-30°	551.4	12.0
30°-40°	909.9	19.7
40°-50°	1439.6	31.2
50°-60°	1090.0	23.7
60°-70°	136.4	3.0
70°-80°	15.4	0.3
80°-90°	1.2	0.0
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°	4607.5	100.0
0°-180°	4607.5	100.0

Coefficient of Utilization



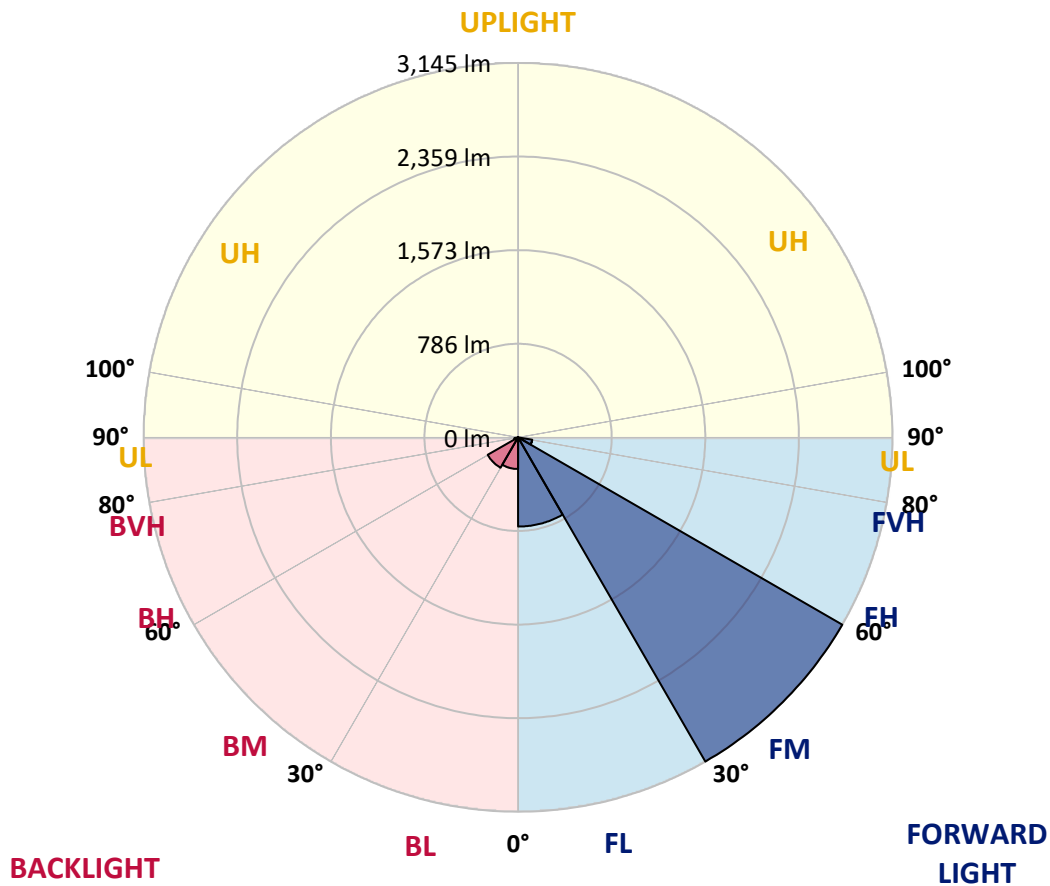
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	749.2	16.3			
FM (30°-60°)	3145.1	68.3			
FH (60°-80°)	120.6	2.6			G0/660
FVH (80°-90°)	0.6	0.0			G0/10
BL (0°-30°)	265.7	5.8	B1/500		
BM (30°-60°)	294.4	6.4	B1/1000		
BH (60°-80°)	31.2	0.7	B0/110		G0/110
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1395.9	1395.9	1395.9	1395.9	1395.9	1395.9	1395.9	1395.9	1395.9	1395.9	1395.9
2.5°	1590.6	1603.3	1599.8	1583.1	1565.2	1552.4	1532.7	1526.6	1481.8	1450.7	1417.8
5°	1782.7	1786.6	1782.2	1762.1	1730.5	1700.2	1667.8	1648.9	1573.9	1506.4	1437.6
7.5°	1828.7	1823.9	1832.2	1842.3	1837.9	1824.8	1790.6	1770.0	1680.5	1570.4	1466.1
10°	1684.9	1673.9	1705.1	1757.3	1812.1	1873.9	1865.1	1866.9	1784.4	1651.1	1503.3
12.5°	1494.1	1489.7	1513.0	1573.5	1680.9	1821.3	1855.0	1911.6	1879.6	1738.4	1545.9
15°	1410.4	1412.6	1426.6	1464.7	1541.9	1716.5	1797.6	1899.8	1964.7	1823.0	1592.8
17.5°	1423.1	1431.0	1430.5	1443.3	1490.2	1630.1	1724.8	1862.5	2030.5	1920.4	1646.7
20°	1509.5	1517.4	1505.5	1495.9	1511.7	1608.1	1686.6	1824.8	2074.8	2018.6	1703.7
22.5°	1638.8	1648.1	1620.0	1592.4	1582.3	1644.1	1701.1	1809.4	2108.5	2108.5	1754.6
25°	1795.4	1808.1	1764.7	1715.6	1687.5	1720.0	1763.0	1844.1	2143.2	2189.2	1789.3
27.5°	1970.4	1970.8	1933.5	1878.3	1825.7	1829.6	1855.5	1922.1	2181.3	2276.0	1816.5
30°	2167.3	2168.6	2119.1	2052.8	1986.6	1968.6	1990.6	2041.0	2260.7	2385.2	1854.2
32.5°	2421.6	2427.8	2356.7	2259.4	2173.4	2139.7	2152.4	2205.4	2387.0	2522.1	1910.7
35°	2765.5	2772.0	2667.2	2538.7	2401.9	2351.0	2363.8	2417.3	2569.9	2716.3	2001.1
37.5°	3104.9	3113.7	3007.5	2887.8	2700.1	2615.9	2629.1	2679.9	2844.4	2984.7	2145.8
40°	3339.5	3351.4	3318.5	3237.8	3063.7	2953.2	2969.0	2987.4	3146.6	3305.8	2333.5
42.5°	3463.2	3479.9	3493.9	3535.1	3443.5	3350.9	3324.2	3325.5	3454.0	3632.9	2528.7
45°	3470.6	3486.9	3558.8	3718.0	3787.7	3768.4	3719.7	3686.8	3688.6	3850.9	2650.6
47.5°	3229.4	3259.7	3394.3	3706.1	3968.4	4128.5	4103.9	4025.8	3787.3	3865.3	2637.4
50°	2658.0	2687.8	2932.6	3381.2	3836.8	4272.3	4373.6	4268.8	3722.8	3685.1	2501.9
52.5°	1930.5	1933.5	2092.3	2616.4	3303.6	4007.0	4245.6	4235.5	3624.6	3466.7	2316.8
55°	917.0	906.0	1084.5	1476.6	2284.8	3240.8	3643.0	3757.0	3485.1	3308.8	2173.4
57.5°	267.1	272.3	351.7	576.2	1142.8	2071.2	2494.9	2707.1	2860.6	2720.3	1685.8
60°	119.7	120.2	133.8	175.4	380.7	963.5	1289.8	1552.4	1710.3	1584.9	836.3
62.5°	86.8	87.3	92.5	99.1	129.4	326.3	483.7	644.7	656.5	429.8	211.8
65°	72.4	72.4	73.2	73.2	77.6	116.7	146.9	189.5	159.6	118.4	82.9
67.5°	58.3	58.8	59.6	59.6	58.3	58.3	63.2	69.3	74.1	91.7	76.3
70°	45.6	45.2	45.2	45.6	44.3	37.7	40.8	46.5	50.9	71.5	66.2
72.5°	35.5	36.0	35.5	33.8	30.7	22.4	24.1	30.3	32.5	44.7	44.7
75°	26.8	27.2	25.4	19.3	12.7	7.0	9.2	14.9	18.9	21.9	16.2
77.5°	3.5	3.5	2.6	2.6	2.2	2.6	2.6	3.5	5.3	5.3	3.9
80°	0.4	0.4	0.4	0.9	1.3	1.8	1.8	1.8	1.8	2.2	2.2
82.5°	0.4	0.4	0.4	0.4	1.3	1.3	1.8	1.8	1.8	1.8	1.8
85°	0.0	0.0	0.0	0.4	0.9	1.3	1.3	1.8	1.8	1.8	1.8
87.5°	0.0	0.0	0.0	0.4	0.9	1.3	1.3	1.3	1.8	1.8	1.8
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°	1395.9	1395.9	1395.9	1395.9	1395.9	1395.9	1395.9	1395.9	1395.9	1395.9	1395.9
2.5°	1398.1	1372.6	1341.9	1320.9	1291.1	1271.3	1243.3	1224.4	1208.2	1195.5	1202.5
5°	1398.5	1358.2	1295.5	1242.0	1183.6	1130.1	1072.7	1027.5	986.7	968.3	978.4
7.5°	1407.3	1349.4	1253.4	1158.2	1046.4	935.9	832.4	748.2	706.5	686.8	692.9
10°	1424.4	1345.5	1206.4	1048.6	867.0	716.1	615.7	558.7	535.5	523.2	525.4
12.5°	1440.2	1342.8	1145.5	904.3	684.1	555.6	503.4	495.6	500.4	500.8	500.4
15°	1461.7	1338.0	1070.1	756.1	547.3	480.2	481.5	492.9	504.3	507.8	507.0
17.5°	1484.5	1330.5	972.7	614.0	464.4	458.3	473.6	489.0	500.4	502.1	502.6
20°	1508.2	1315.2	861.7	501.3	425.8	441.6	458.7	470.1	478.5	481.1	482.0
22.5°	1519.1	1282.7	733.7	420.6	400.0	421.0	433.7	448.6	451.3	441.6	443.4
25°	1513.4	1227.9	608.7	366.2	374.1	395.1	414.0	406.5	395.6	388.6	390.7
27.5°	1495.4	1155.1	486.3	326.3	346.5	373.2	375.4	367.1	365.3	359.6	361.4
30°	1476.1	1071.4	391.2	294.3	318.4	346.5	339.9	342.9	343.4	336.8	339.0
32.5°	1464.3	983.7	311.4	272.8	300.4	305.7	318.8	325.0	325.4	310.1	312.7
35°	1468.2	897.3	263.6	255.2	283.7	282.4	300.8	304.4	278.9	257.9	260.1
37.5°	1500.3	817.4	236.4	241.6	254.8	264.9	278.9	255.7	250.0	240.3	241.6
40°	1559.9	749.5	220.1	233.3	235.1	251.3	229.8	232.9	233.3	227.2	228.5
42.5°	1629.6	692.9	210.5	228.5	224.1	226.7	205.2	211.4	218.0	215.3	215.8
45°	1664.7	637.6	202.2	211.8	213.1	188.1	183.3	189.9	198.2	199.5	200.0
47.5°	1633.6	585.0	193.4	187.7	196.5	171.5	165.8	168.0	177.6	182.9	183.8
50°	1538.4	524.5	180.2	166.2	161.4	153.9	148.7	149.1	160.1	169.3	171.0
52.5°	1404.7	461.3	158.8	140.8	129.8	135.5	136.8	134.2	144.3	153.5	155.2
55°	1274.9	382.4	125.9	114.5	104.4	116.7	120.2	116.7	119.7	125.9	126.3
57.5°	897.7	216.2	96.5	94.7	86.4	100.0	105.7	100.4	95.2	99.1	100.0
60°	416.2	113.1	74.1	74.1	71.9	86.0	95.6	88.1	78.1	79.8	81.1
62.5°	130.2	71.5	54.4	51.3	58.8	73.2	81.1	73.7	61.8	61.8	63.6
65°	73.7	61.4	43.0	39.5	47.8	58.8	63.6	55.7	45.2	44.3	44.3
67.5°	68.4	58.3	38.2	32.0	33.8	37.7	39.5	34.2	31.1	30.7	31.1
70°	56.6	48.7	30.7	21.9	20.6	20.2	21.1	19.7	18.9	19.3	20.6
72.5°	35.1	29.4	19.3	13.2	11.4	11.0	11.0	11.0	10.5	10.5	10.5
75°	12.7	11.0	8.8	6.6	5.7	5.3	5.3	5.7	5.3	4.8	4.4
77.5°	3.9	3.5	3.5	3.5	3.1	2.6	2.2	2.2	1.8	1.3	1.3
80°	2.2	2.2	2.2	2.2	1.8	1.8	1.3	0.9	0.4	0.4	0.0
82.5°	2.2	2.2	2.2	1.8	1.8	1.8	1.3	0.9	0.4	0.0	0.0
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.3	0.9	0.4	0.0	0.0
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.3	0.9	0.4	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)