

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: P630379

Luminaire Tested: GWS-SA1D-750-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630379
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-750-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5201.6 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

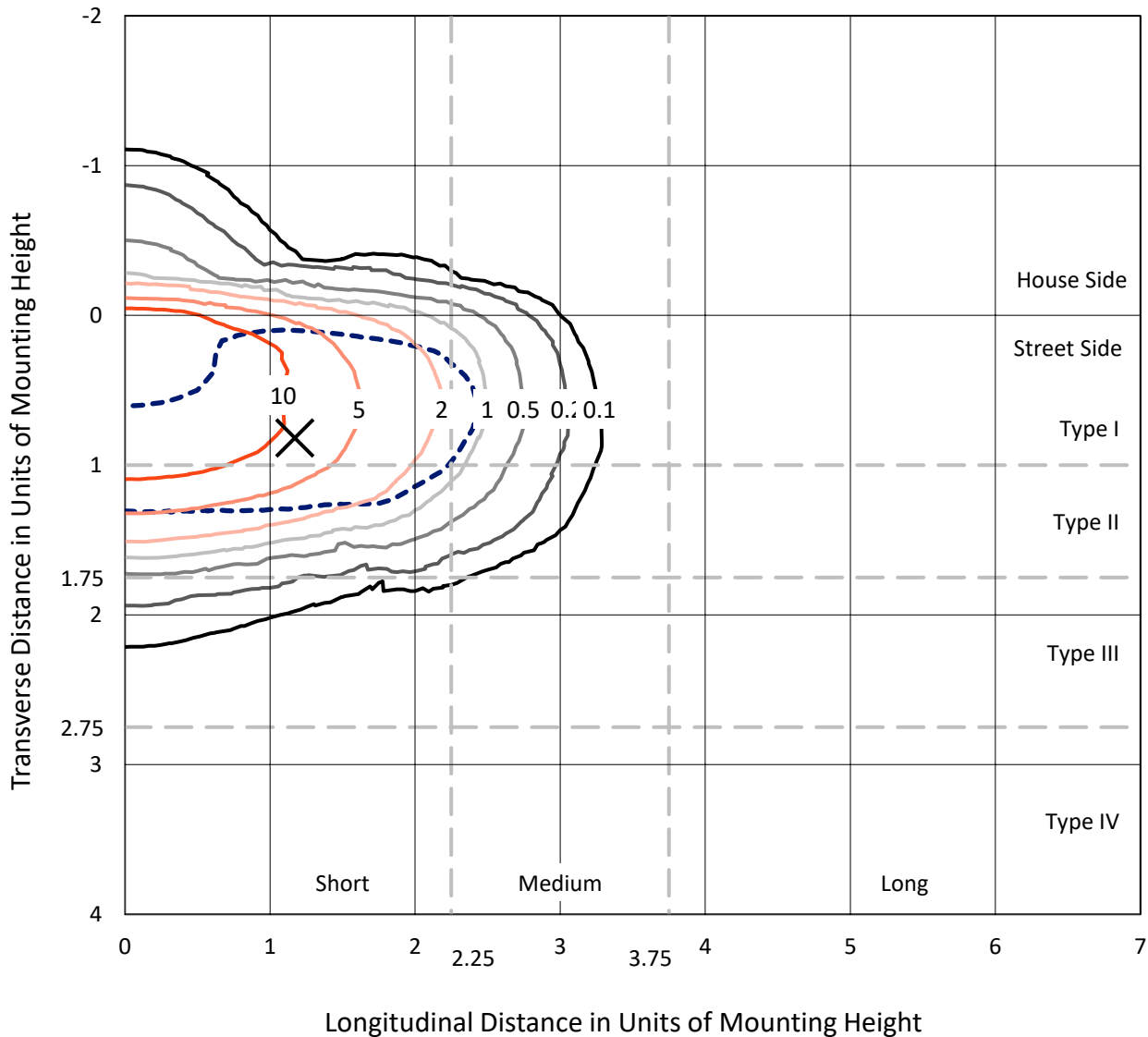
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

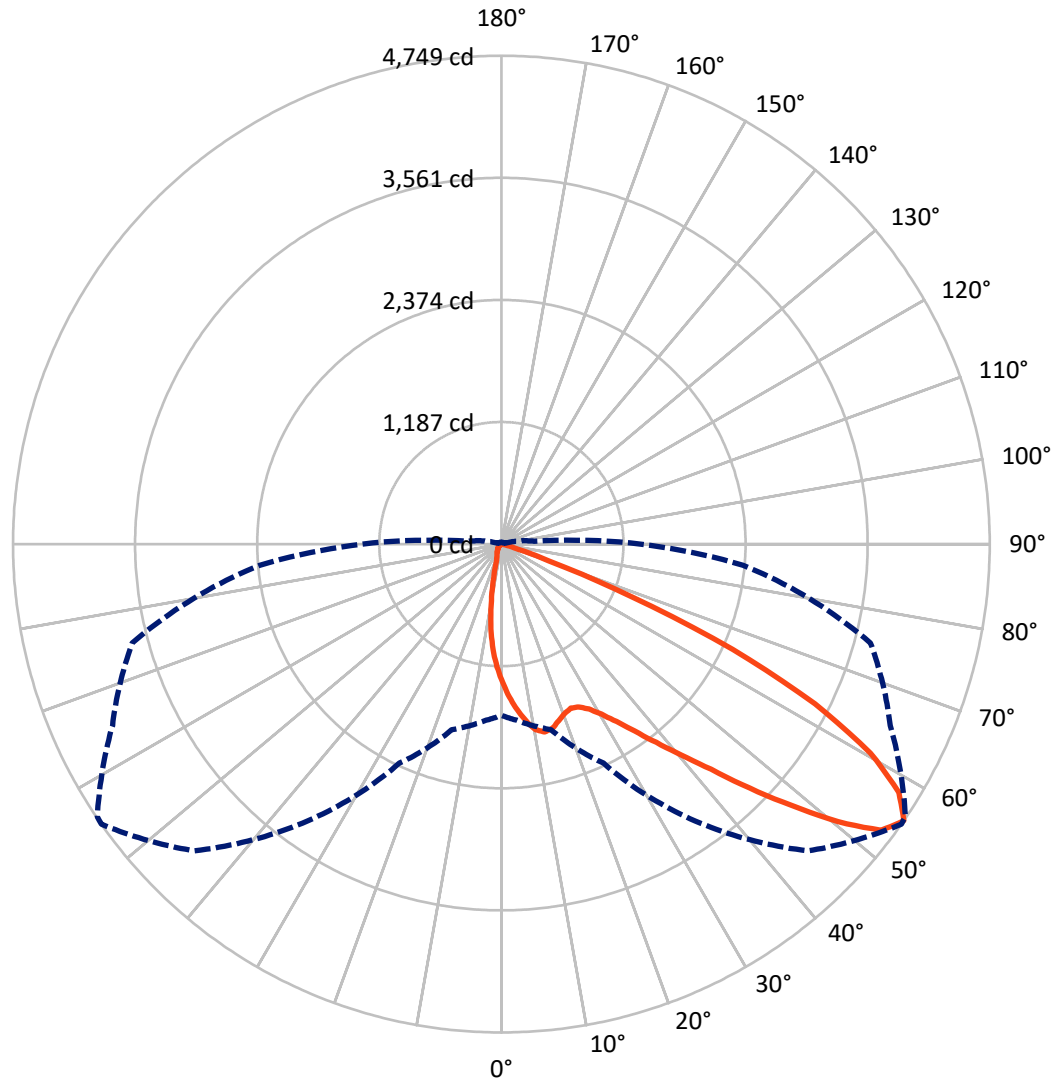
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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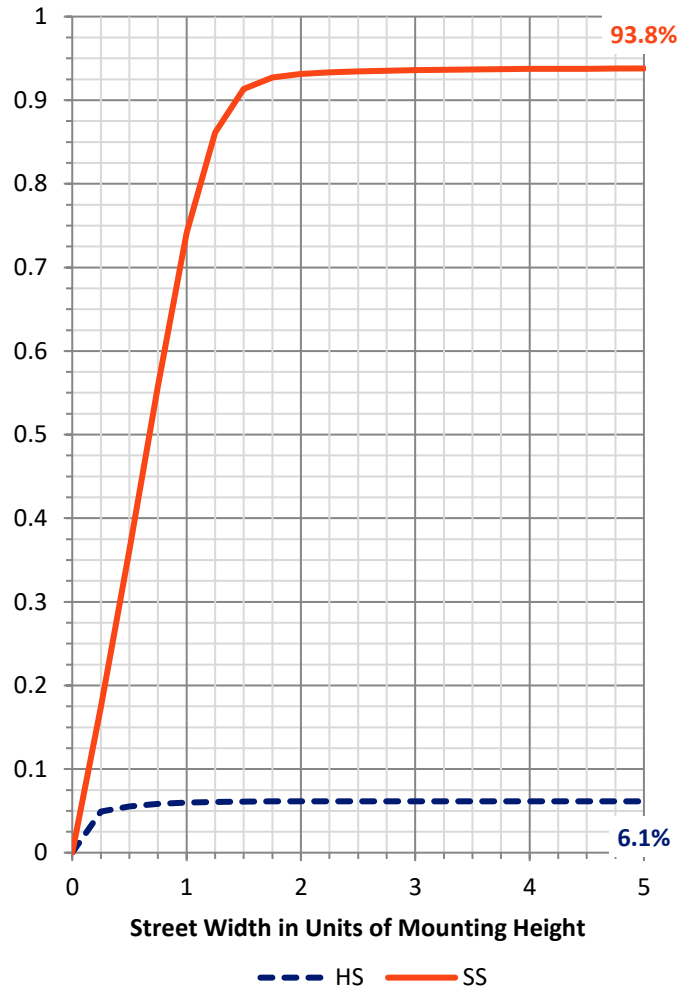
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	320.9	0.0	320.9
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	4880.6	0.0	4880.6
	% Fixture	93.8	0.0	93.8
Total	Lumens	5201.6	0.0	5201.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.8	2.3
10°-20°	286.3	5.5
20°-30°	476.8	9.2
30°-40°	812.5	15.6
40°-50°	1326.3	25.5
50°-60°	1388.6	26.7
60°-70°	700.4	13.5
70°-80°	88.5	1.7
80°-90°	3.4	0.1
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°	5201.6	100.0
0°-180°	5201.6	100.0

Coefficient of Utilization



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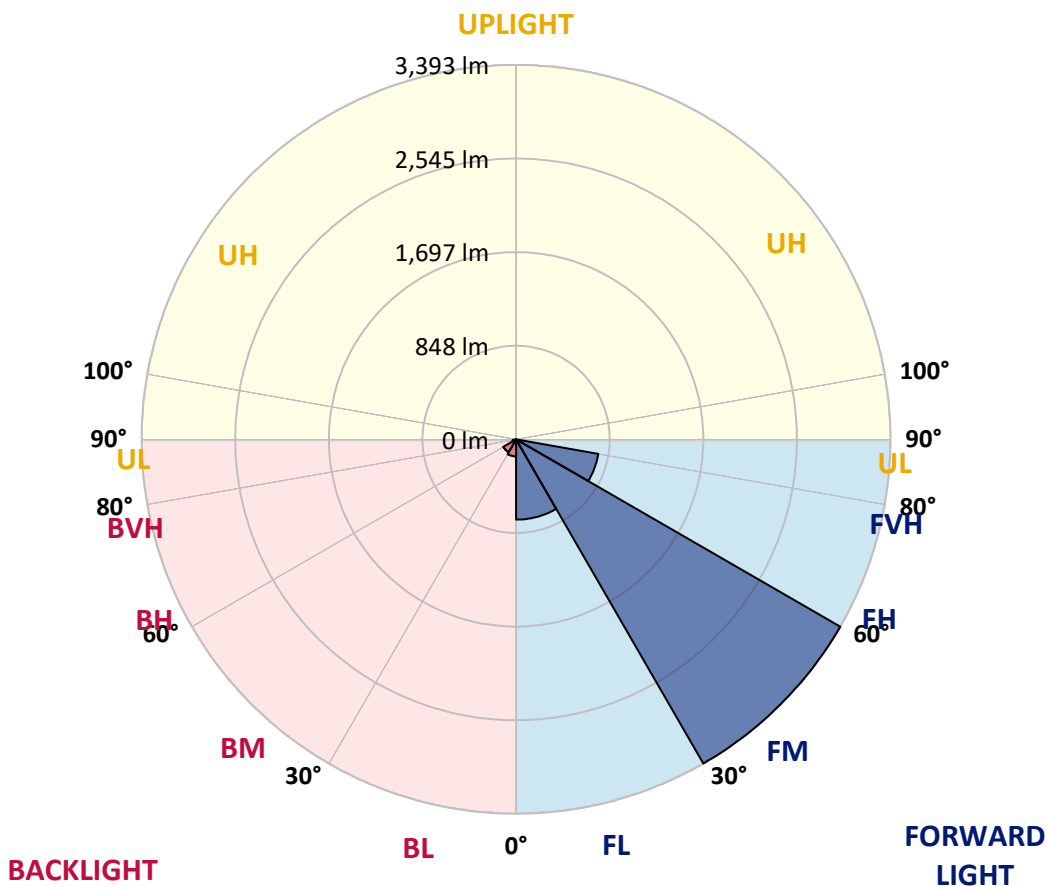
CATALOG NUMBER: GWS-SA1D-750-U-AFL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	727.6	14.0			
FM (30°-60°)	3393.3	65.2			
FH (60°-80°)	756.7	14.5			G1/1800
FVH (80°-90°)	3.1	0.1			G0/10
BL (0°-30°)	154.3	3.0	B1/500		
BM (30°-60°)	134.2	2.6	B0/220		
BH (60°-80°)	32.2	0.6	B0/110		G0/110
BVH (80°-90°)	0.3	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1343.8	1343.8	1343.8	1343.8	1343.8	1343.8	1343.8	1343.8	1343.8	1343.8	1343.8
2.5°	1566.6	1559.0	1570.6	1557.2	1534.6	1515.4	1490.5	1481.6	1441.6	1403.8	1367.4
5°	1756.9	1759.1	1755.6	1736.9	1704.9	1669.3	1619.0	1607.9	1538.1	1466.1	1388.3
7.5°	1804.0	1802.7	1810.2	1817.4	1812.0	1794.2	1739.5	1728.4	1641.7	1533.7	1420.3
10°	1658.6	1659.5	1675.1	1723.1	1782.7	1844.5	1836.0	1829.8	1744.9	1610.1	1455.8
12.5°	1453.2	1461.2	1477.6	1546.1	1647.1	1787.6	1874.7	1880.9	1839.6	1694.2	1497.6
15°	1364.2	1366.0	1379.4	1420.7	1495.9	1669.3	1858.3	1875.6	1918.7	1778.7	1543.0
17.5°	1362.0	1364.2	1370.0	1388.3	1437.2	1576.4	1805.4	1835.6	1978.3	1869.4	1597.2
20°	1445.6	1444.3	1440.3	1430.5	1451.8	1545.7	1756.4	1789.8	2010.8	1957.9	1651.9
22.5°	1597.2	1595.5	1577.7	1537.2	1519.9	1573.7	1732.4	1762.7	2030.4	2036.6	1696.9
25°	1772.0	1784.5	1751.1	1689.7	1647.1	1645.3	1753.8	1775.1	2047.3	2106.4	1727.5
27.5°	1963.7	1967.7	1939.2	1870.3	1808.5	1760.0	1815.6	1831.6	2065.9	2168.6	1744.9
30°	2174.0	2172.7	2140.2	2060.2	1985.0	1915.2	1919.6	1925.9	2109.5	2239.8	1764.0
32.5°	2436.8	2442.6	2384.8	2275.8	2185.5	2089.1	2055.7	2056.6	2188.2	2331.4	1792.9
35°	2793.9	2779.6	2703.1	2548.0	2394.1	2290.0	2233.1	2228.2	2309.6	2454.6	1843.2
37.5°	3134.0	3135.4	3055.3	2884.6	2690.2	2526.2	2445.7	2432.3	2480.4	2625.3	1926.7
40°	3370.1	3374.6	3341.2	3251.9	3046.0	2813.9	2695.6	2681.8	2701.8	2841.4	2036.1
42.5°	3495.1	3507.5	3516.9	3537.8	3381.7	3173.2	2991.3	2990.0	2969.1	3087.8	2162.9
45°	3500.0	3518.7	3575.6	3718.3	3736.1	3583.1	3385.3	3355.5	3275.0	3351.5	2276.3
47.5°	3306.6	3349.7	3470.6	3753.4	3940.2	3990.9	3794.8	3776.6	3550.7	3560.0	2361.2
50°	2855.7	2900.6	3123.4	3573.4	3991.8	4314.6	4244.4	4206.6	3781.0	3697.9	2402.1
52.5°	2393.2	2434.1	2585.3	3144.7	3777.9	4416.4	4623.2	4578.3	3987.8	3745.9	2385.2
55°	1665.3	1720.0	1867.6	2350.5	3285.2	4218.1	4748.6	4739.3	4172.3	3715.7	2359.0
57.5°	816.4	870.7	1017.8	1449.2	2433.7	3682.7	4557.0	4606.3	4282.6	3683.2	2337.6
60°	341.1	363.3	414.0	635.9	1361.6	2783.2	4124.3	4192.8	4215.0	3639.2	2335.4
62.5°	197.9	201.4	206.8	263.7	529.6	1595.5	3421.3	3518.7	3859.7	3580.9	2300.3
65°	149.4	150.7	148.5	161.9	218.8	605.2	2471.9	2604.4	3221.6	3353.2	2161.5
67.5°	122.7	122.7	116.9	119.6	137.4	226.8	1364.7	1549.7	2383.9	2756.1	1784.9
70°	97.8	100.1	97.4	93.8	98.3	125.4	485.6	602.1	1388.3	1627.5	1041.0
72.5°	74.3	74.3	78.7	76.0	72.9	78.7	169.4	190.3	557.2	678.6	375.7
75°	57.4	59.1	62.3	59.6	55.1	46.7	81.4	86.3	168.1	157.9	84.0
77.5°	29.3	29.8	39.6	43.6	40.9	28.5	35.6	39.1	54.7	48.9	31.1
80°	17.8	18.7	22.2	34.2	27.1	15.1	14.7	15.6	25.8	22.2	12.9
82.5°	7.6	8.0	12.5	12.5	11.1	5.8	5.8	5.8	12.5	11.6	5.3
85°	0.0	0.0	2.2	1.8	1.8	2.2	2.2	2.2	3.1	4.4	2.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.3	1.3
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°	1343.8	1343.8	1343.8	1343.8	1343.8	1343.8	1343.8	1343.8	1343.8	1343.8	1343.8
2.5°	1343.8	1315.3	1277.1	1242.4	1195.7	1169.5	1133.0	1103.2	1077.9	1069.9	1066.3
5°	1344.2	1295.3	1213.5	1131.7	1031.2	952.0	870.7	806.2	753.3	736.4	731.9
7.5°	1353.1	1281.1	1148.6	1000.1	832.0	693.2	569.2	458.0	406.4	389.1	385.5
10°	1365.1	1269.1	1073.4	842.2	600.7	422.4	299.3	228.1	194.3	175.6	178.3
12.5°	1380.7	1259.3	990.3	671.4	397.5	232.1	164.5	137.8	130.7	127.2	125.4
15°	1401.6	1247.7	887.1	502.0	243.7	149.4	126.7	119.6	116.9	115.2	114.7
17.5°	1422.9	1234.4	782.2	353.1	161.9	124.1	113.8	110.3	108.5	107.2	106.7
20°	1445.6	1211.7	659.0	243.2	127.6	111.6	104.9	100.9	98.7	96.5	96.0
22.5°	1455.4	1175.3	541.2	170.3	113.4	102.7	94.3	89.4	86.7	84.9	84.9
25°	1446.1	1116.1	419.3	129.4	103.2	92.9	84.5	79.2	76.9	75.1	75.1
27.5°	1421.2	1040.1	305.9	107.2	92.0	82.7	74.7	69.8	68.0	67.1	67.1
30°	1393.6	944.0	215.7	92.0	79.6	72.0	65.4	62.3	61.8	60.9	60.9
32.5°	1370.0	854.2	148.5	80.9	70.3	62.7	58.3	56.9	57.4	56.5	56.9
35°	1357.1	766.2	110.3	72.0	62.7	55.6	53.4	53.4	53.4	52.9	52.9
37.5°	1362.5	679.5	89.8	65.8	56.0	50.7	48.5	49.4	50.2	50.2	50.2
40°	1389.1	602.5	79.6	60.0	50.2	46.2	44.5	45.8	47.1	48.0	48.0
42.5°	1422.9	540.3	72.0	55.1	46.2	41.8	40.9	42.2	43.6	44.5	44.5
45°	1444.3	477.6	64.5	48.9	42.2	36.9	36.9	38.7	38.2	38.7	38.7
47.5°	1454.1	427.8	56.9	42.2	36.0	32.0	32.5	33.4	32.5	33.4	33.4
50°	1430.1	377.5	50.2	35.1	29.8	28.0	28.9	28.5	28.5	30.2	30.2
52.5°	1386.0	340.2	44.5	29.8	25.3	24.9	25.8	24.0	24.5	24.5	24.0
55°	1353.6	318.8	39.6	25.8	21.8	22.2	21.8	18.7	16.9	15.1	14.7
57.5°	1337.6	310.4	36.0	23.1	19.6	19.6	17.8	12.9	9.8	7.6	6.7
60°	1334.0	300.2	32.5	20.0	17.3	16.5	12.9	7.6	4.9	3.6	3.1
62.5°	1300.2	275.2	29.3	16.0	15.1	13.3	8.0	4.4	2.7	1.8	1.3
65°	1189.5	226.3	26.2	12.5	11.6	9.8	4.9	2.7	1.3	0.4	0.0
67.5°	946.3	160.5	23.1	9.3	8.0	6.2	3.1	1.8	0.4	0.0	0.0
70°	545.6	86.7	19.1	6.7	5.3	4.0	2.2	0.9	0.0	0.0	0.0
72.5°	182.3	40.5	14.7	4.4	4.0	3.1	1.3	0.4	0.0	0.0	0.0
75°	40.0	24.0	9.8	3.1	2.7	2.2	0.9	0.0	0.0	0.0	0.0
77.5°	15.1	16.9	4.9	2.2	1.8	1.3	0.4	0.0	0.0	0.0	0.0
80°	5.8	11.1	2.2	1.3	1.3	0.4	0.0	0.0	0.0	0.0	0.0
82.5°	3.1	4.4	1.3	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.8	2.2	0.9	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	0.4	0.4	0.4	0.0	0.0	0.0	0.0	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)