

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: P632586

Luminaire Tested: GWS-SA2D-722-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632586
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-722-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6817.8 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

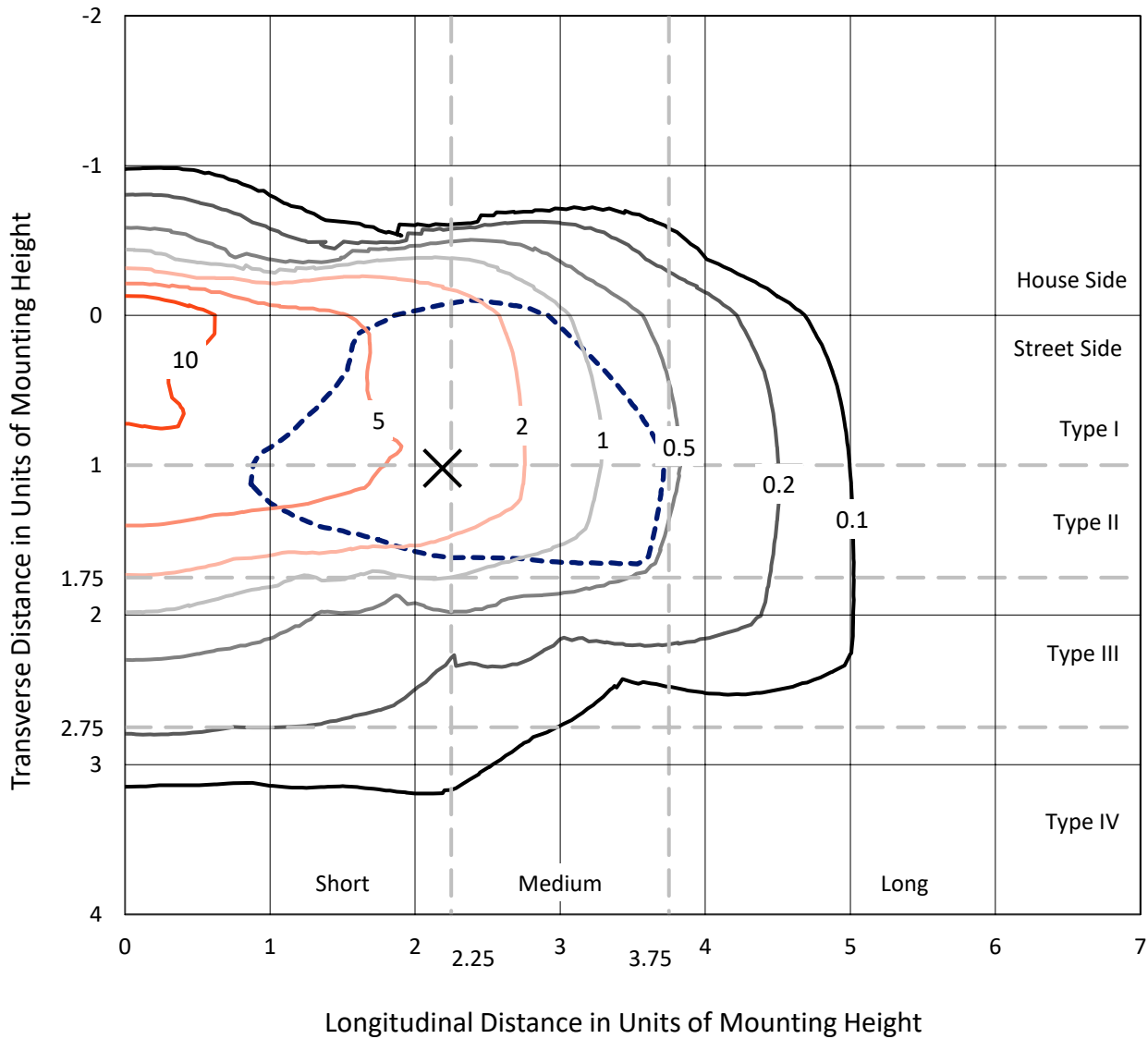
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

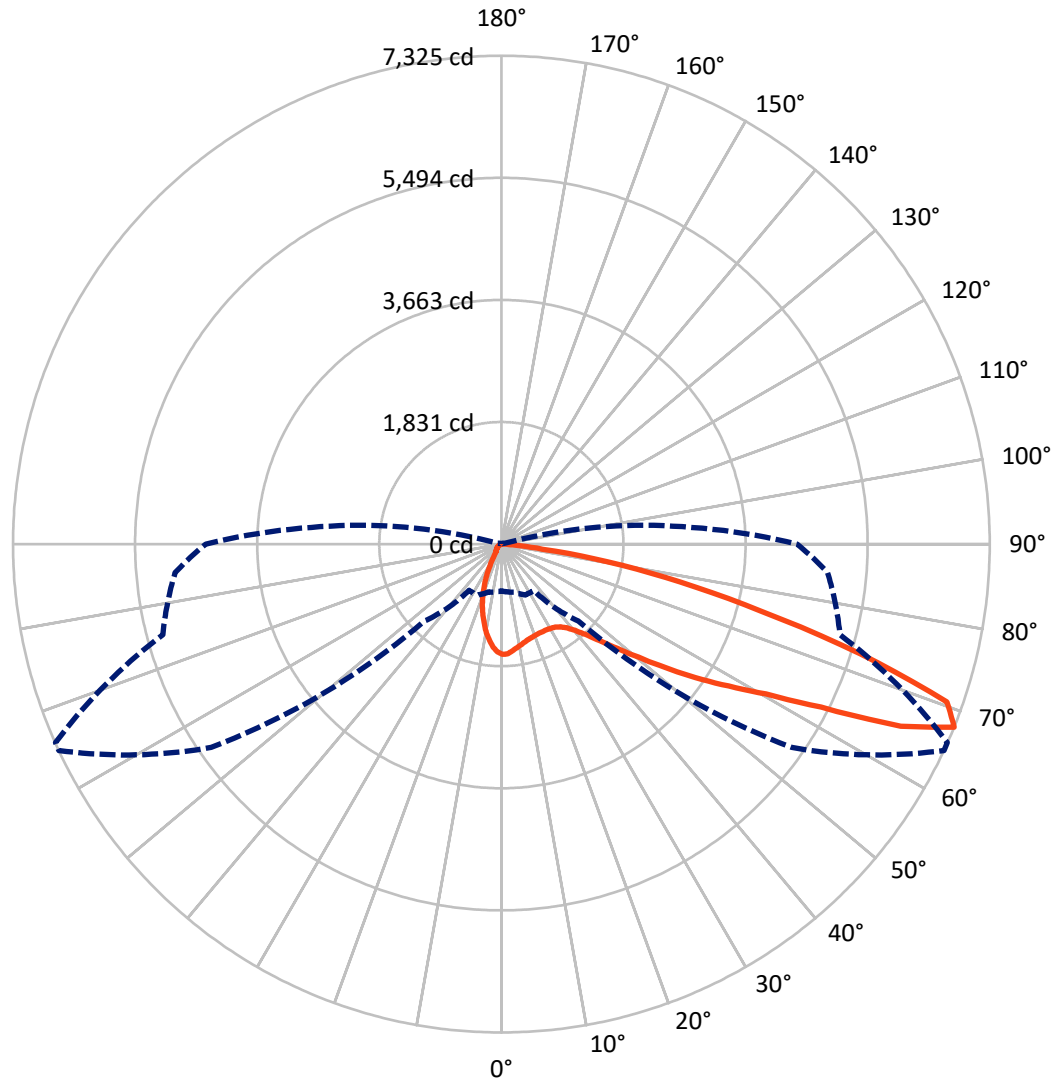
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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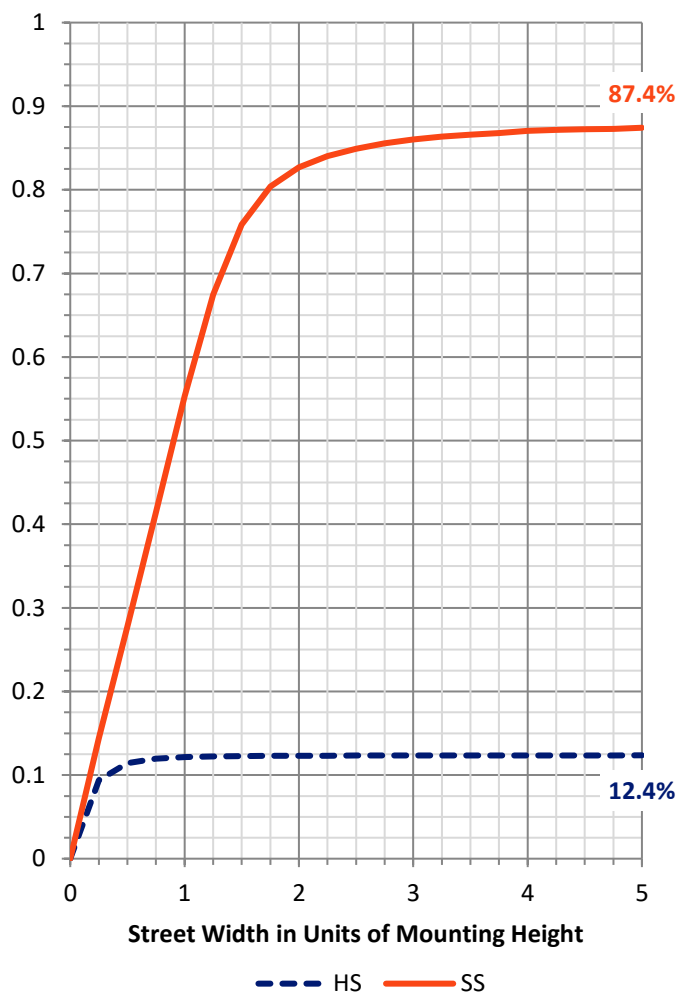
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	851.3	0.0	851.3
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	5966.5	0.0	5966.5
	% Fixture	87.5	0.0	87.5
Total	Lumens	6817.8	0.0	6817.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.3	2.0
10°-20°	308.7	4.5
20°-30°	441.1	6.5
30°-40°	641.8	9.4
40°-50°	1005.2	14.7
50°-60°	1568.1	23.0
60°-70°	1722.5	25.3
70°-80°	916.7	13.4
80°-90°	76.3	1.1
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°	6817.8	100.0
0°-180°	6817.8	100.0

Coefficient of Utilization



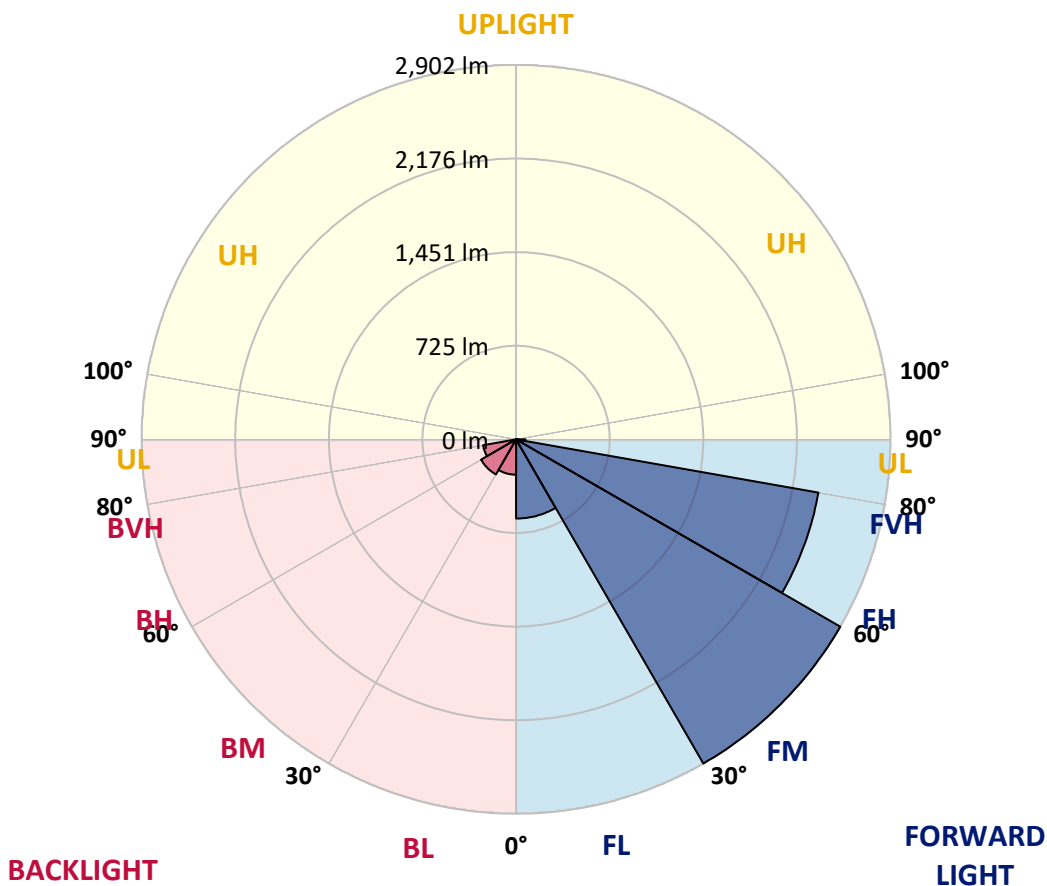
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	613.6	9.0			
FM (30°-60°)	2901.5	42.6			
FH (60°-80°)	2379.1	34.9			G2/5000
FVH (80°-90°)	72.2	1.1			G1/100
BL (0°-30°)	273.6	4.0	B1/500		
BM (30°-60°)	313.6	4.6	B1/1000		
BH (60°-80°)	260.0	3.8	B1/500		G1/500
BVH (80°-90°)	4.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1653.5	1653.5	1653.5	1653.5	1653.5	1653.5	1653.5	1653.5	1653.5	1653.5	1653.5
2.5°	1596.2	1601.1	1594.3	1611.0	1614.1	1632.6	1643.1	1650.4	1649.8	1659.1	1659.1
5°	1502.5	1507.4	1503.7	1521.6	1535.8	1564.8	1588.8	1616.5	1617.8	1646.1	1656.6
7.5°	1422.9	1423.6	1423.6	1445.8	1464.3	1500.0	1535.8	1578.3	1583.2	1627.0	1654.8
10°	1357.6	1359.4	1360.1	1385.3	1405.7	1448.8	1494.5	1545.6	1551.2	1610.4	1653.5
12.5°	1312.6	1313.2	1315.7	1342.2	1364.4	1409.4	1455.6	1514.2	1521.6	1591.3	1648.0
15°	1291.0	1289.8	1291.0	1313.2	1335.4	1378.6	1426.0	1488.9	1496.9	1575.2	1648.6
17.5°	1289.8	1287.9	1286.7	1303.3	1317.5	1355.7	1403.8	1472.3	1480.9	1567.8	1655.4
20°	1307.7	1306.4	1300.3	1307.7	1310.7	1342.2	1389.7	1459.3	1468.0	1566.6	1670.2
22.5°	1354.5	1351.4	1342.2	1335.4	1318.8	1337.3	1379.8	1450.1	1459.9	1569.7	1689.3
25°	1424.2	1422.9	1411.2	1394.6	1352.0	1344.7	1380.4	1450.1	1459.3	1573.4	1709.6
27.5°	1529.0	1521.6	1506.8	1477.8	1416.8	1373.6	1392.7	1453.8	1463.0	1578.3	1726.3
30°	1635.7	1635.0	1630.1	1600.5	1509.9	1429.1	1418.6	1463.6	1472.3	1582.6	1741.7
32.5°	1746.0	1747.9	1760.2	1737.4	1638.1	1511.7	1465.5	1484.0	1490.2	1591.3	1755.3
35°	1850.8	1854.5	1887.2	1895.2	1794.1	1636.9	1541.9	1524.7	1525.3	1610.4	1773.1
37.5°	1951.3	1963.6	2016.1	2054.9	1988.3	1788.6	1652.3	1593.7	1588.8	1648.6	1800.3
40°	2065.4	2088.8	2154.8	2220.7	2199.8	1988.9	1802.7	1699.8	1689.3	1718.9	1849.0
42.5°	2191.8	2217.0	2304.6	2397.1	2406.9	2231.2	1990.8	1854.5	1836.6	1837.3	1940.2
45°	2327.4	2361.3	2463.0	2596.2	2656.0	2501.3	2222.6	2063.5	2045.6	2019.1	2087.0
47.5°	2505.6	2535.2	2633.2	2786.7	2901.4	2791.0	2526.5	2332.3	2299.7	2260.8	2315.1
50°	2659.1	2685.0	2769.4	2961.8	3200.4	3164.6	2871.2	2668.3	2636.9	2570.9	2615.9
52.5°	2693.0	2713.3	2791.0	3007.4	3429.1	3636.3	3293.5	3074.6	3052.4	2930.4	2947.6
55°	2540.7	2571.5	2641.2	2881.7	3488.9	4097.5	3841.6	3532.7	3486.5	3291.6	3322.5
57.5°	2156.0	2210.9	2276.2	2588.8	3326.8	4342.8	4607.3	4017.9	3976.0	3639.4	3640.0
60°	1580.2	1624.6	1668.3	1954.4	2942.1	4326.2	5302.2	4562.9	4486.5	3923.6	3913.1
62.5°	1149.2	1172.0	1171.4	1273.1	2020.4	4041.3	5667.1	5384.1	5206.0	4227.5	4167.7
65°	903.8	903.2	929.7	963.0	1128.2	3119.6	5712.1	6583.3	6390.9	4635.1	4510.5
67.5°	703.5	717.0	743.5	841.6	847.7	1632.6	5316.3	7325.0	7321.3	5257.1	4911.9
70°	542.5	561.0	598.6	741.7	783.0	913.7	3977.8	7090.1	7149.9	5535.2	4627.7
72.5°	348.3	347.1	402.6	599.3	752.2	761.4	2199.8	5632.0	5699.8	5013.6	3741.7
75°	194.8	196.1	227.5	366.8	701.0	716.4	1089.4	4016.1	4069.7	3908.8	2874.9
77.5°	76.4	78.9	106.7	193.0	462.4	640.0	647.4	2738.6	2746.6	2422.3	1763.3
80°	30.8	32.7	54.3	119.6	281.8	431.0	462.4	1613.5	1580.8	937.7	513.0
82.5°	9.2	9.9	21.6	67.8	147.4	306.4	312.0	619.0	584.5	201.6	130.7
85°	0.6	0.6	4.9	21.0	52.4	77.1	207.8	201.6	178.8	50.6	58.0
87.5°	0.0	0.0	0.6	0.6	1.2	2.5	22.2	37.0	37.6	9.2	25.9
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°	1653.5	1653.5	1653.5	1653.5	1653.5	1653.5	1653.5	1653.5	1653.5	1653.5	1653.5
2.5°	1659.1	1636.9	1635.0	1617.8	1600.5	1578.9	1553.7	1535.2	1522.2	1499.4	1495.1
5°	1656.6	1627.0	1599.3	1550.0	1495.1	1435.9	1384.1	1336.0	1305.8	1285.5	1276.8
7.5°	1651.7	1614.1	1550.0	1456.9	1365.0	1261.4	1180.7	1106.7	1056.1	1026.5	1013.6
10°	1648.0	1597.4	1493.2	1352.0	1209.6	1066.6	943.9	834.2	773.1	725.0	717.0
12.5°	1640.6	1573.4	1420.5	1229.4	1045.6	855.7	699.1	564.7	471.6	429.7	414.9
15°	1633.2	1548.1	1347.7	1099.9	866.8	632.6	442.7	313.2	249.1	229.3	228.1
17.5°	1632.0	1525.3	1268.8	977.2	679.4	414.3	252.2	202.8	189.3	184.3	184.3
20°	1635.7	1506.2	1191.1	836.0	495.1	252.2	188.0	175.7	167.7	163.4	163.4
22.5°	1639.4	1486.5	1116.5	693.6	328.6	184.3	165.8	155.4	146.1	141.2	138.7
25°	1641.8	1464.9	1033.9	550.6	214.6	160.3	145.5	131.9	120.8	114.7	114.7
27.5°	1641.2	1439.0	950.7	410.6	166.5	142.4	124.5	110.4	99.3	92.5	93.1
30°	1636.3	1410.6	864.4	286.7	145.5	124.5	106.7	91.9	80.8	75.2	74.6
32.5°	1632.6	1380.4	764.5	201.6	130.7	109.1	90.6	76.4	67.2	62.9	62.3
35°	1628.3	1350.8	669.6	153.5	117.8	94.3	76.4	64.7	57.3	53.6	53.6
37.5°	1629.5	1320.0	566.6	131.9	104.8	82.0	65.4	55.5	49.3	45.6	45.0
40°	1648.6	1301.5	465.5	119.6	93.1	70.9	56.7	48.1	41.9	38.2	37.6
42.5°	1696.1	1302.1	368.7	110.4	82.6	60.4	49.3	41.3	35.8	31.4	30.8
45°	1791.0	1328.0	283.0	100.5	71.5	52.4	42.5	35.1	29.6	25.9	25.3
47.5°	1946.4	1405.1	214.6	91.9	62.3	45.6	36.4	29.6	24.7	21.6	21.0
50°	2193.6	1544.4	168.9	81.4	52.4	39.5	30.8	24.7	20.3	17.3	16.6
52.5°	2490.8	1753.4	144.9	72.1	45.0	34.5	26.5	20.3	16.6	14.2	13.6
55°	2832.3	2003.1	133.8	62.9	38.2	29.6	21.6	16.6	13.6	11.7	10.5
57.5°	3145.5	2228.1	133.2	53.6	32.7	25.3	17.9	14.2	11.7	9.2	8.6
60°	3450.7	2416.2	125.2	44.4	28.4	21.0	15.4	11.7	9.9	8.0	7.4
62.5°	3727.5	2569.1	104.8	35.8	24.0	17.3	12.9	10.5	8.6	6.8	6.8
65°	4075.3	2763.9	80.1	29.0	19.7	14.2	11.1	9.2	8.0	6.2	6.2
67.5°	4434.7	2866.9	57.3	24.0	16.0	12.3	9.9	8.6	6.8	5.5	5.5
70°	4016.7	2422.3	41.3	19.7	13.6	10.5	8.6	8.0	6.8	5.5	4.9
72.5°	3136.9	1746.6	30.8	15.4	11.7	9.9	8.0	7.4	6.2	4.9	4.9
75°	2326.2	1018.5	23.4	12.3	9.2	8.0	8.0	7.4	6.2	4.9	4.3
77.5°	1264.5	355.1	17.9	9.9	7.4	6.2	6.8	6.8	5.5	4.3	3.7
80°	334.8	97.4	12.3	7.4	6.2	4.9	4.9	6.2	4.9	3.7	3.7
82.5°	97.4	28.4	8.6	6.2	4.9	4.3	4.3	4.3	3.7	3.1	2.5
85°	47.5	10.5	6.2	4.9	4.3	3.7	3.1	3.1	2.5	1.8	1.8
87.5°	21.0	4.3	4.9	4.3	4.3	3.1	2.5	1.8	1.8	1.2	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)