

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: P633087

Luminaire Tested: GWS-SA2E-722-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633087
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-722-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV 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: 8468.3 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

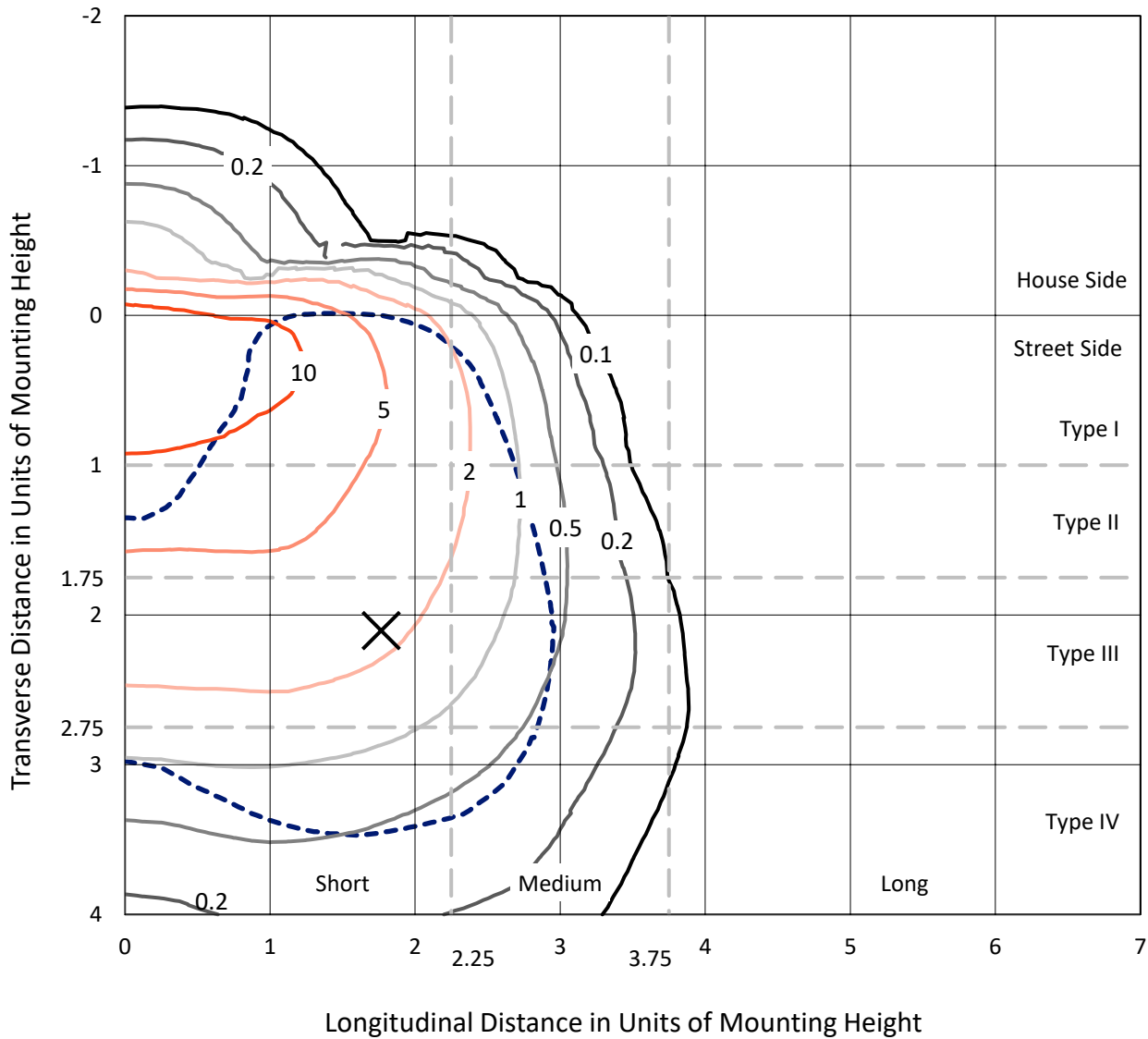
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

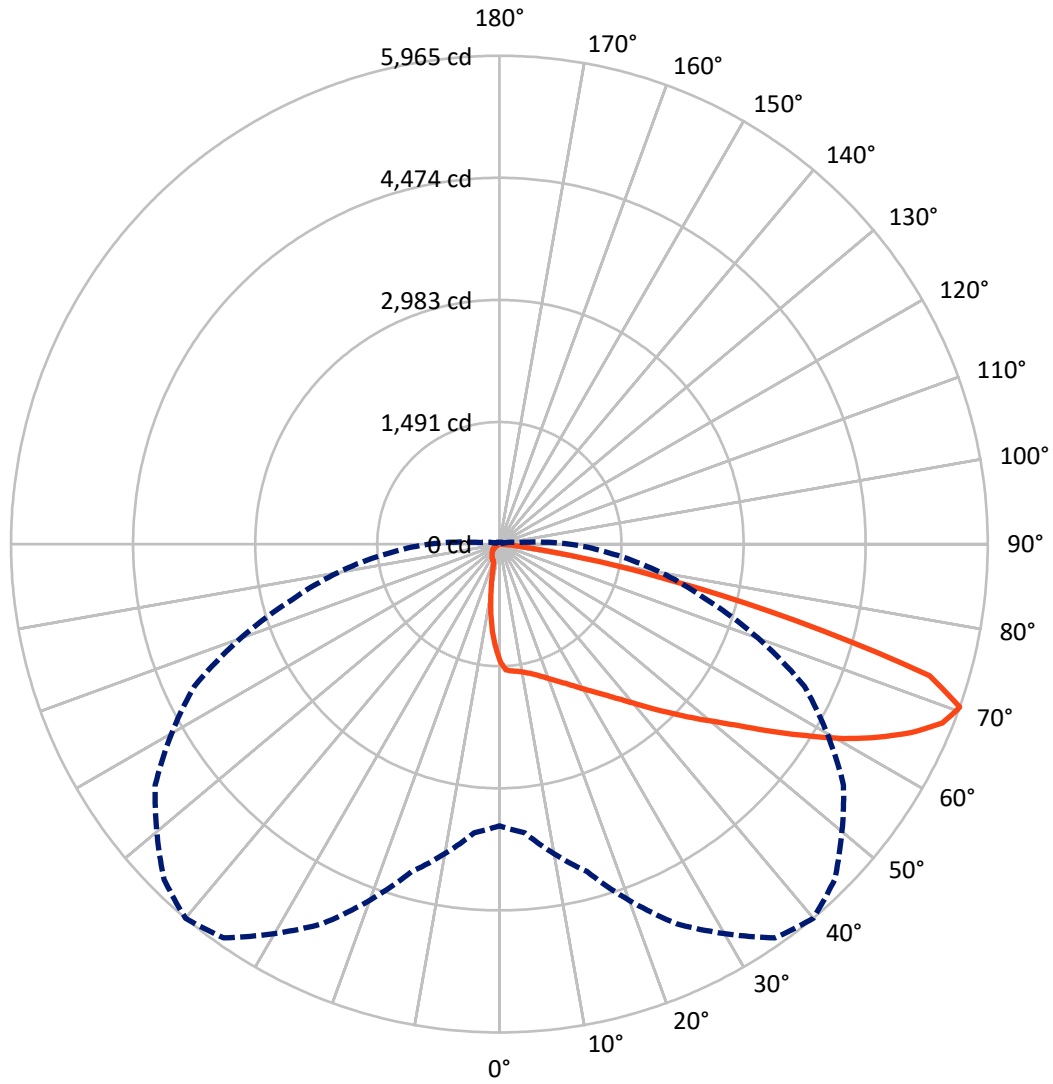
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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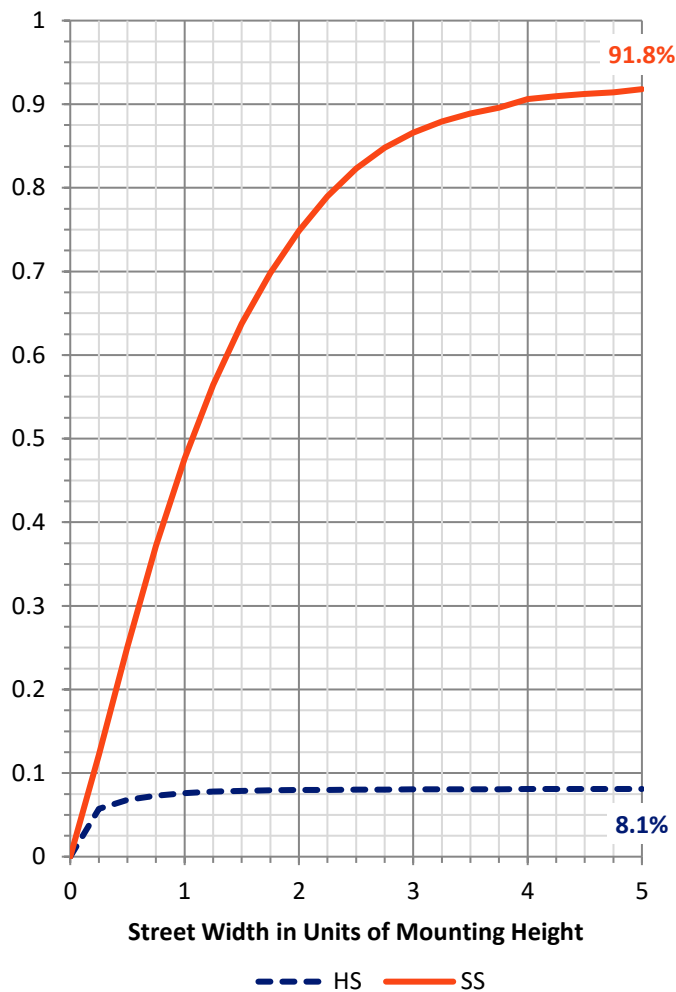
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	692.5	0.0	692.5
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	7775.8	0.0	7775.8
	% Fixture	91.8	0.0	91.8
Total	Lumens	8468.3	0.0	8468.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.5	1.4
10°-20°	308.0	3.6
20°-30°	515.5	6.1
30°-40°	809.7	9.6
40°-50°	1280.8	15.1
50°-60°	1868.4	22.1
60°-70°	2316.1	27.4
70°-80°	1171.8	13.8
80°-90°	76.5	0.9
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°	8468.3	100.0
0°-180°	8468.3	100.0

Coefficient of Utilization



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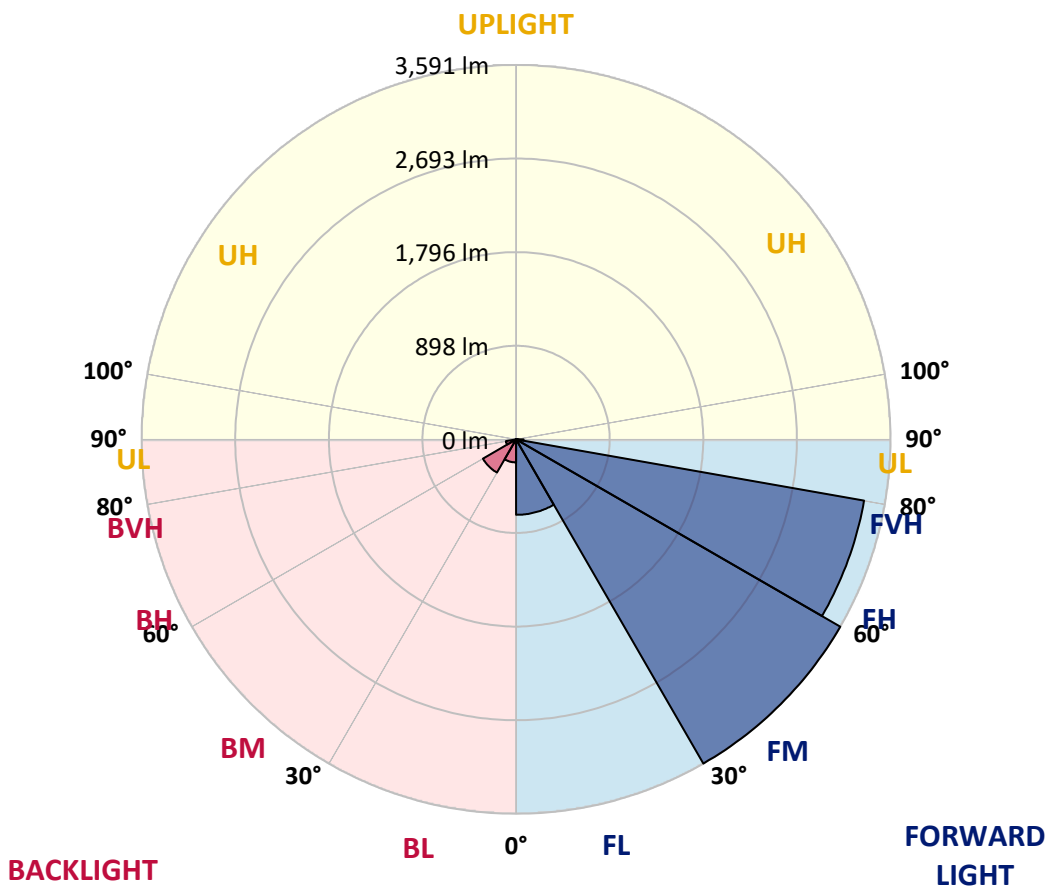
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	723.9	8.5			
FM (30°-60°)	3591.3	42.4			
FH (60°-80°)	3389.2	40.0			G2/5000
FVH (80°-90°)	71.4	0.8			G1/100
BL (0°-30°)	221.1	2.6	B1/500		
BM (30°-60°)	367.6	4.3	B1/1000		
BH (60°-80°)	98.7	1.2	B0/110		G0/110
BVH (80°-90°)	5.0	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1437.0	1437.0	1437.0	1437.0	1437.0	1437.0	1437.0	1437.0	1437.0	1437.0	1437.0
2.5°	1544.8	1550.2	1549.5	1551.8	1546.4	1537.9	1536.4	1524.8	1504.0	1477.8	1448.5
5°	1576.4	1582.6	1578.0	1575.7	1565.6	1556.4	1554.1	1541.8	1517.9	1482.4	1431.6
7.5°	1603.4	1604.9	1601.9	1596.5	1581.8	1569.5	1561.0	1544.1	1515.6	1480.1	1421.6
10°	1608.0	1607.2	1608.8	1609.6	1600.3	1589.5	1582.6	1559.5	1523.3	1485.5	1422.3
12.5°	1602.6	1602.6	1612.6	1624.2	1624.2	1618.8	1611.9	1591.1	1548.7	1504.0	1437.7
15°	1609.6	1611.9	1631.1	1652.7	1659.6	1654.2	1651.2	1629.6	1585.7	1536.4	1465.5
17.5°	1634.2	1636.5	1667.3	1699.7	1708.2	1702.0	1695.9	1674.3	1627.3	1573.3	1497.1
20°	1670.4	1676.6	1715.9	1757.5	1765.2	1757.5	1745.2	1715.1	1668.1	1613.4	1527.1
22.5°	1736.7	1740.5	1782.9	1826.8	1830.7	1818.4	1799.9	1758.3	1709.0	1655.8	1561.0
25°	1824.5	1829.9	1872.3	1914.7	1904.7	1886.2	1860.7	1813.7	1757.5	1705.9	1604.2
27.5°	1929.3	1935.5	1977.1	2014.1	1987.9	1966.3	1937.8	1879.2	1822.2	1775.2	1659.6
30°	2042.6	2048.0	2085.0	2118.1	2083.4	2058.0	2024.1	1964.0	1906.2	1870.8	1738.2
32.5°	2152.0	2151.2	2186.7	2213.6	2178.2	2158.2	2127.3	2066.5	2020.2	2004.8	1855.3
35°	2253.7	2253.7	2283.0	2309.9	2284.5	2273.7	2245.2	2196.7	2170.5	2189.0	2011.8
37.5°	2356.2	2350.8	2378.5	2408.6	2406.2	2407.0	2390.8	2367.7	2369.3	2434.8	2226.7
40°	2440.9	2438.6	2471.0	2510.3	2541.1	2565.7	2555.7	2564.2	2612.7	2735.2	2501.8
42.5°	2508.7	2514.1	2555.7	2618.1	2696.0	2746.0	2753.0	2787.6	2912.5	3102.0	2812.3
45°	2586.5	2587.3	2645.1	2740.6	2864.7	2944.1	2971.8	3061.2	3238.4	3482.6	3152.9
47.5°	2682.1	2672.8	2737.6	2871.6	3051.2	3168.3	3217.6	3329.3	3603.6	3854.0	3430.2
50°	2787.6	2770.7	2843.9	3026.5	3260.0	3406.3	3506.5	3669.9	3965.7	4159.1	3636.7
52.5°	2910.2	2894.0	2977.2	3204.5	3510.4	3688.3	3817.0	3981.9	4276.2	4391.8	3760.0
55°	3065.8	3049.6	3137.4	3417.9	3806.2	4037.4	4172.2	4310.9	4565.2	4563.6	3849.4
57.5°	3238.4	3216.0	3337.8	3687.6	4175.3	4415.7	4552.8	4620.6	4784.8	4696.9	3909.5
60°	3436.4	3416.4	3585.1	4008.9	4601.4	4824.1	4910.4	4882.6	4965.1	4775.5	3888.7
62.5°	3615.2	3605.9	3815.5	4349.4	5007.4	5195.4	5219.3	5098.4	5097.6	4777.1	3748.4
65°	3800.8	3818.6	4129.8	4741.6	5415.8	5542.2	5501.3	5312.5	5150.7	4588.3	3333.9
67.5°	3870.2	3921.8	4337.1	5096.0	5737.9	5836.5	5764.8	5419.6	4929.6	3953.4	2538.8
70°	3441.8	3538.9	4141.4	5116.1	5871.2	5965.2	5793.3	5131.5	4109.8	2618.9	1390.7
72.5°	2617.4	2730.6	3451.0	4189.2	5280.2	5494.4	5200.8	4180.7	2649.0	1147.3	466.9
75°	1464.7	1587.2	2570.4	3154.4	3545.0	3740.7	3632.9	2682.1	1173.5	299.7	139.5
77.5°	495.4	536.3	1195.8	1951.7	2340.0	2164.3	1832.2	1332.2	431.5	114.0	74.0
80°	293.6	309.0	445.3	971.6	1231.2	1020.9	805.9	492.3	219.6	60.9	51.6
82.5°	87.8	104.0	245.8	360.6	482.3	300.5	254.3	281.2	114.0	33.1	43.1
85°	0.0	0.0	52.4	111.7	126.4	49.3	49.3	159.5	20.8	13.9	31.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.9	2.3	3.1	6.9
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°	1437.0	1437.0	1437.0	1437.0	1437.0	1437.0	1437.0	1437.0	1437.0	1437.0	1437.0
2.5°	1427.7	1400.8	1369.2	1339.1	1310.6	1273.6	1255.9	1234.3	1215.8	1205.8	1211.2
5°	1399.2	1356.8	1292.1	1226.6	1160.4	1098.0	1041.7	1004.0	970.1	952.3	956.2
7.5°	1374.6	1317.5	1216.6	1109.5	1003.2	896.1	809.0	741.2	688.8	667.2	663.4
10°	1363.8	1292.1	1149.6	995.5	832.1	688.1	564.8	490.0	436.9	410.7	415.3
12.5°	1369.2	1279.0	1092.6	883.8	671.9	503.9	386.0	315.9	278.1	262.7	258.9
15°	1384.6	1275.9	1041.7	769.7	518.5	352.1	266.6	238.1	230.4	228.8	228.8
17.5°	1402.3	1276.7	989.3	654.1	393.7	261.2	228.1	222.7	220.4	218.8	219.6
20°	1420.0	1276.7	929.2	537.0	295.9	225.8	217.3	213.4	211.1	210.3	210.3
22.5°	1441.6	1276.7	862.2	428.4	237.3	214.2	207.3	205.0	202.6	201.9	201.1
25°	1467.8	1277.5	788.2	335.2	215.7	204.2	198.8	196.5	194.2	192.6	192.6
27.5°	1505.5	1283.6	706.5	261.2	203.4	194.9	190.3	188.0	185.7	183.4	183.4
30°	1560.2	1299.1	614.9	215.7	191.9	184.9	180.3	178.8	176.4	174.1	173.4
32.5°	1641.9	1326.0	520.1	193.4	181.1	174.1	168.7	167.2	164.9	162.6	161.8
35°	1756.0	1375.3	427.6	179.5	167.2	160.3	157.2	156.4	153.3	151.0	151.0
37.5°	1923.1	1455.5	339.0	165.7	155.6	150.2	146.4	144.9	141.8	139.5	138.7
40°	2127.3	1559.5	263.5	154.9	144.9	139.5	135.6	133.3	129.4	126.4	124.8
42.5°	2387.8	1686.6	208.0	143.3	134.8	129.4	126.4	121.7	116.3	111.7	111.0
45°	2659.0	1817.6	171.8	132.5	125.6	121.0	117.1	111.0	103.2	97.9	96.3
47.5°	2867.0	1899.3	150.2	121.0	115.6	111.7	107.1	99.4	90.1	84.0	82.4
50°	3015.7	1911.6	134.1	110.2	107.1	103.2	96.3	87.1	77.0	70.9	69.3
52.5°	3088.9	1856.1	121.0	100.2	97.9	94.0	85.5	75.5	64.7	58.6	57.0
55°	3122.0	1751.3	108.6	91.7	88.6	84.0	74.7	64.0	53.2	47.8	46.2
57.5°	3108.9	1596.5	97.9	83.2	79.4	74.0	64.0	52.4	43.9	38.5	37.8
60°	3011.9	1379.2	87.1	74.7	70.1	64.0	53.9	43.1	35.4	31.6	30.8
62.5°	2802.3	1109.5	76.3	64.7	61.6	55.5	46.2	35.4	29.3	27.0	26.2
65°	2373.1	784.4	65.5	54.7	53.2	47.0	38.5	29.3	25.4	23.9	23.1
67.5°	1705.9	476.9	55.5	47.0	45.5	40.1	32.4	25.4	23.1	22.3	22.3
70°	857.6	225.8	43.9	38.5	38.5	33.1	27.7	23.1	22.3	21.6	21.6
72.5°	291.2	96.3	33.1	30.0	31.6	28.5	23.9	21.6	21.6	21.6	21.6
75°	99.4	50.9	23.1	21.6	23.1	23.1	20.8	20.8	21.6	21.6	21.6
77.5°	64.7	33.9	16.2	14.6	17.7	17.7	17.7	19.3	20.8	20.8	20.8
80°	53.2	18.5	10.8	10.0	13.1	13.1	14.6	17.7	19.3	19.3	19.3
82.5°	45.5	11.6	6.2	6.9	9.2	10.0	12.3	14.6	17.0	17.7	17.7
85°	30.8	6.2	4.6	5.4	6.2	7.7	10.0	12.3	13.9	15.4	15.4
87.5°	8.5	2.3	3.1	3.9	3.9	5.4	7.7	9.2	10.8	11.6	11.6
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)