

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: P635418

Luminaire Tested: GWS-SA3D-760-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635418
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-760-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13034.6 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

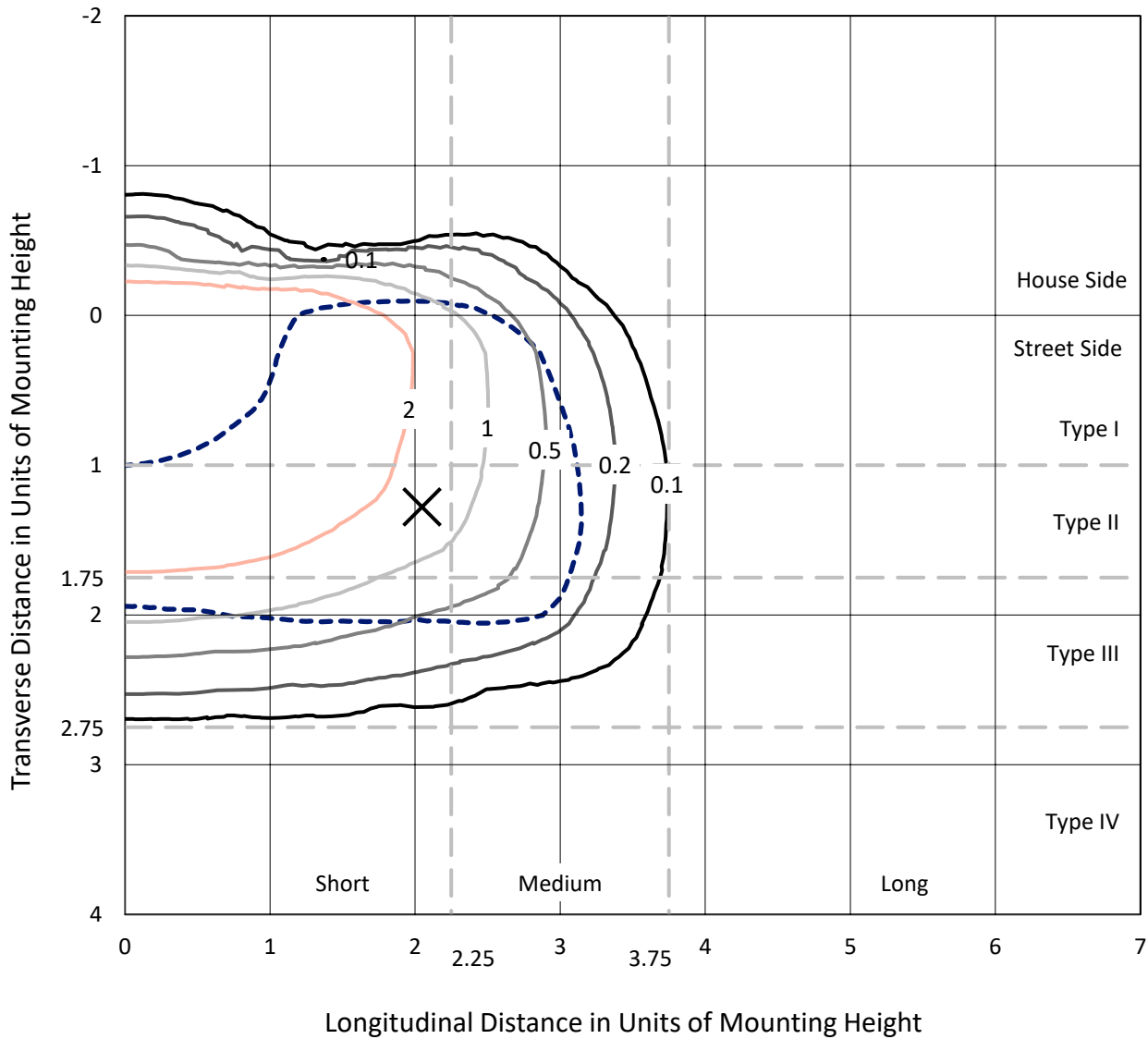
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

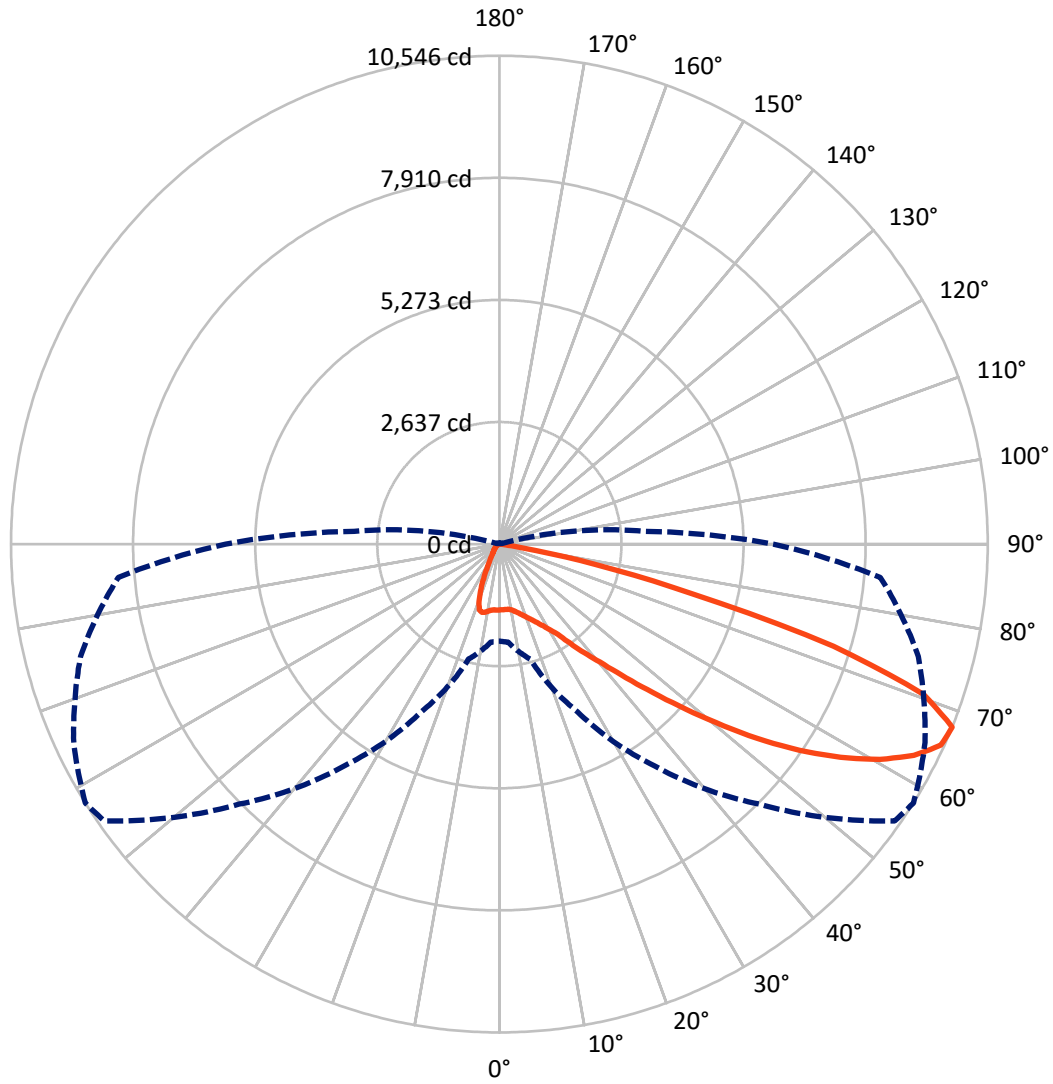
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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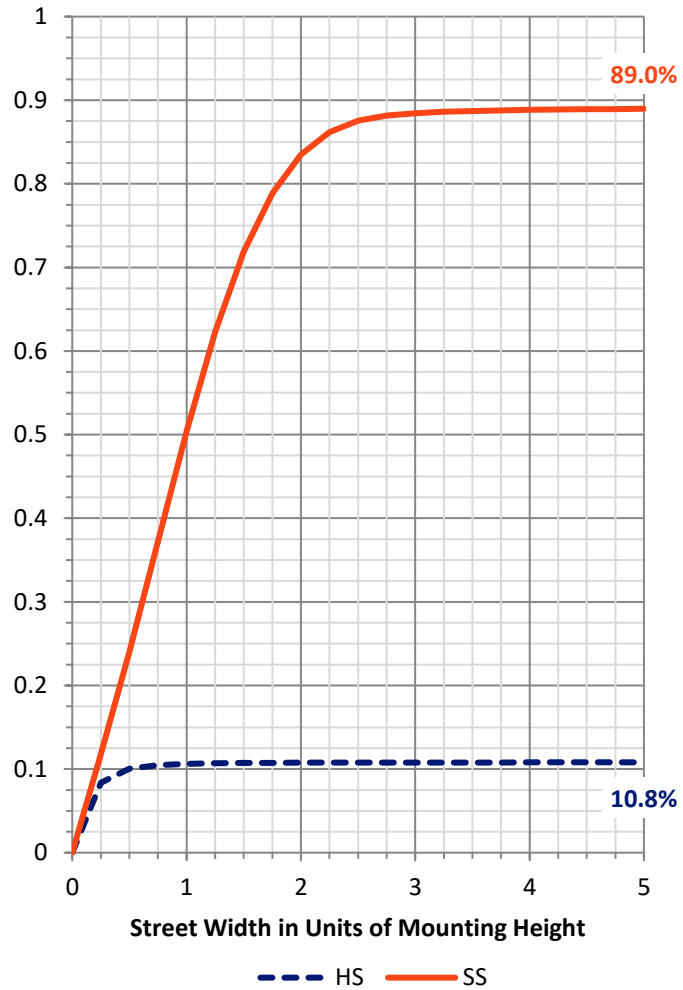
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1422.0	0.0	1422.0
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	11612.6	0.0	11612.6
	% Fixture	89.1	0.0	89.1
Total	Lumens	13034.6	0.0	13034.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.4	1.0
10°-20°	374.6	2.9
20°-30°	653.9	5.0
30°-40°	1167.8	9.0
40°-50°	2134.5	16.4
50°-60°	3550.0	27.2
60°-70°	3855.9	29.6
70°-80°	1132.1	8.7
80°-90°	32.2	0.2
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°	13034.6	100.0
0°-180°	13034.6	100.0

Coefficient of Utilization



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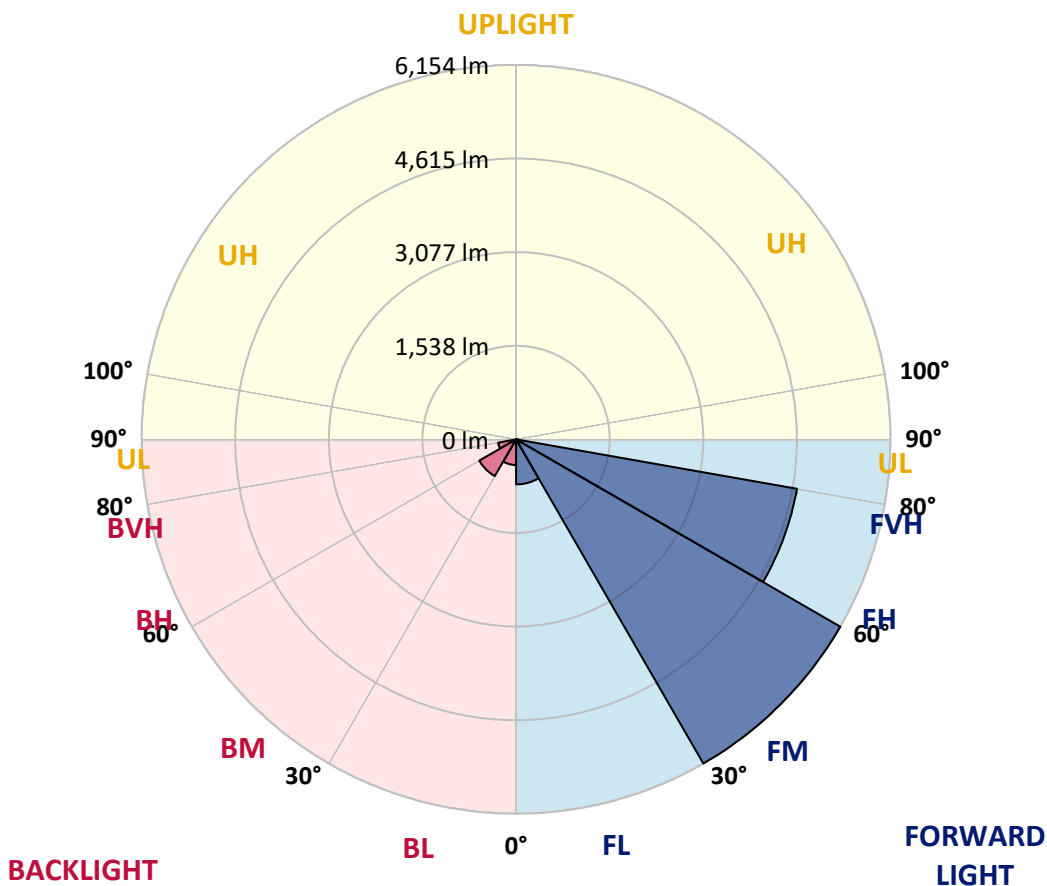
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	740.2	5.7			
FM (30°-60°)	6153.9	47.2			
FH (60°-80°)	4687.8	36.0			G2/5000
FVH (80°-90°)	30.7	0.2			G1/100
BL (0°-30°)	421.8	3.2	B1/500		
BM (30°-60°)	698.5	5.4	B1/1000		
BH (60°-80°)	300.2	2.3	B1/500		G1/500
BVH (80°-90°)	1.6	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4
2.5°	1393.7	1391.1	1391.1	1401.3	1402.6	1407.7	1419.1	1420.4	1426.7	1424.2	1415.3
5°	1321.1	1322.4	1330.0	1347.8	1363.1	1382.2	1410.2	1416.6	1430.6	1438.2	1433.1
7.5°	1253.7	1254.9	1266.4	1294.4	1323.7	1361.8	1407.7	1420.4	1448.4	1468.7	1470.0
10°	1228.2	1226.9	1238.4	1270.2	1308.4	1361.8	1428.0	1444.6	1486.6	1522.2	1528.6
12.5°	1235.8	1234.6	1246.0	1275.3	1317.3	1384.7	1463.7	1486.6	1540.0	1594.7	1606.2
15°	1266.4	1265.1	1272.7	1296.9	1342.7	1412.7	1509.5	1543.8	1611.3	1677.5	1695.3
17.5°	1358.0	1351.7	1344.0	1346.6	1373.3	1445.8	1568.0	1610.0	1694.0	1772.9	1788.2
20°	1520.9	1504.4	1484.0	1457.3	1444.6	1494.2	1635.5	1683.8	1785.7	1876.0	1878.6
22.5°	1766.6	1760.2	1713.1	1635.5	1580.7	1582.0	1714.4	1770.4	1895.1	1994.4	1980.4
25°	2108.9	2105.1	2032.6	1905.3	1762.8	1714.4	1814.9	1872.2	2024.9	2130.6	2086.0
27.5°	2534.0	2507.3	2422.0	2250.2	2037.7	1886.2	1942.2	1993.1	2162.4	2261.7	2177.7
30°	2904.4	2905.7	2825.5	2646.0	2406.8	2144.6	2097.5	2142.0	2288.4	2392.8	2290.9
32.5°	3260.8	3272.2	3184.4	3022.8	2760.6	2481.9	2320.2	2327.8	2450.0	2563.3	2439.8
35°	3591.7	3600.6	3539.5	3402.0	3157.7	2834.4	2630.8	2626.9	2693.1	2808.9	2647.3
37.5°	3962.1	3971.0	3911.1	3787.7	3558.6	3237.9	2983.3	2978.2	3004.9	3099.1	2914.6
40°	4356.6	4373.1	4307.0	4202.6	3983.7	3712.6	3393.1	3347.3	3320.6	3431.3	3260.8
42.5°	4756.2	4781.7	4758.8	4654.4	4467.3	4243.3	3925.1	3853.9	3796.6	3935.3	3754.6
45°	5252.6	5283.2	5273.0	5192.8	5047.7	4865.7	4565.3	4482.6	4455.9	4584.4	4369.3
47.5°	5729.9	5763.0	5799.9	5782.1	5679.0	5595.0	5261.5	5214.4	5206.8	5344.3	5010.8
50°	6085.0	6115.5	6256.8	6358.6	6428.6	6410.8	6121.9	6051.9	6040.4	6128.3	5687.9
52.5°	6339.5	6368.8	6563.5	6881.7	7138.8	7278.8	6987.4	6972.1	6909.7	6879.2	6321.7
55°	6536.8	6577.5	6782.5	7263.5	7781.6	8092.1	7910.1	7855.4	7695.0	7519.4	6909.7
57.5°	6576.3	6592.8	6881.7	7530.8	8280.5	8783.2	8783.2	8687.7	8378.5	8135.4	7589.4
60°	6222.4	6273.4	6664.1	7509.2	8494.3	9235.0	9507.4	9441.2	9023.8	8724.7	8243.6
62.5°	5437.2	5494.4	5970.4	6991.2	8280.5	9327.9	10055.9	10045.8	9574.9	9212.1	8785.7
65°	4169.5	4211.5	4626.4	5848.3	7376.8	8970.3	10448.0	10476.0	10010.1	9534.1	8972.8
67.5°	2094.9	2124.2	2572.2	3995.1	5847.0	7940.6	10421.2	10546.0	10142.5	9363.6	8258.8
70°	731.8	761.1	972.4	1714.4	3558.6	6063.4	9520.1	9723.8	9364.8	7992.8	6092.6
72.5°	250.7	264.7	403.5	636.4	1384.7	3594.2	7239.4	7546.1	6903.4	5365.9	3501.3
75°	142.5	151.5	216.4	344.9	580.4	1182.4	4107.1	4295.5	4024.4	2924.8	1440.7
77.5°	96.7	104.4	134.9	196.0	320.7	380.6	1674.9	2108.9	1839.1	954.6	367.8
80°	57.3	62.4	82.7	115.8	164.2	147.6	358.9	477.3	614.7	285.1	110.7
82.5°	26.7	30.5	53.5	76.4	82.7	62.4	105.6	128.5	173.1	140.0	45.8
85°	0.0	0.0	17.8	31.8	30.5	17.8	29.3	31.8	47.1	70.0	17.8
87.5°	0.0	0.0	0.0	0.0	0.0	1.3	2.5	3.8	7.6	14.0	7.6
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°	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4	1420.4
2.5°	1425.5	1416.6	1426.7	1421.7	1426.7	1425.5	1415.3	1408.9	1408.9	1397.5	1393.7
5°	1443.3	1434.4	1436.9	1425.5	1422.9	1416.6	1403.8	1398.7	1398.7	1387.3	1383.5
7.5°	1482.7	1468.7	1466.2	1443.3	1433.1	1415.3	1392.4	1383.5	1382.2	1370.7	1366.9
10°	1545.1	1528.6	1517.1	1487.8	1458.6	1422.9	1374.6	1333.8	1310.9	1280.4	1277.8
12.5°	1621.5	1601.1	1583.3	1538.7	1490.4	1410.2	1267.7	1118.7	1027.1	954.6	959.6
15°	1706.7	1687.7	1659.7	1592.2	1492.9	1284.2	986.4	757.3	645.3	585.5	582.9
17.5°	1799.7	1771.7	1725.8	1634.2	1412.7	981.3	641.5	453.1	394.6	374.2	369.1
20°	1886.2	1851.8	1794.6	1643.1	1181.1	664.4	400.9	351.3	341.1	334.7	334.7
22.5°	1977.8	1934.6	1849.3	1574.4	878.2	425.1	341.1	329.6	322.0	313.1	311.8
25°	2070.8	2014.8	1898.9	1394.9	575.3	334.7	319.5	306.7	292.7	278.7	274.9
27.5°	2149.7	2077.1	1937.1	1127.7	369.1	301.6	291.5	269.8	250.7	235.5	232.9
30°	2243.8	2150.9	1953.7	824.7	290.2	266.0	250.7	227.8	204.9	189.6	184.5
32.5°	2369.8	2268.0	1928.2	537.1	257.1	234.2	210.0	183.3	160.4	143.8	141.3
35°	2565.9	2444.9	1811.1	342.4	232.9	202.4	173.1	145.1	126.0	113.3	110.7
37.5°	2805.1	2693.1	1618.9	257.1	208.7	175.6	141.3	114.5	100.5	91.6	89.1
40°	3160.2	3003.7	1380.9	225.3	184.5	148.9	115.8	94.2	84.0	76.4	73.8
42.5°	3621.0	3370.2	1107.3	204.9	161.6	124.7	94.2	77.6	68.7	63.6	62.4
45°	4159.3	3727.9	818.4	184.5	140.0	103.1	77.6	63.6	57.3	53.5	52.2
47.5°	4710.4	4041.0	565.1	162.9	119.6	85.3	64.9	54.7	49.6	44.5	43.3
50°	5298.4	4305.7	385.6	141.3	101.8	70.0	56.0	49.6	43.3	39.5	38.2
52.5°	5729.9	4403.7	268.5	122.2	86.5	59.8	49.6	44.5	39.5	34.4	33.1
55°	6128.3	4401.1	203.6	103.1	73.8	52.2	44.5	39.5	34.4	30.5	29.3
57.5°	6525.4	4366.8	160.4	87.8	63.6	47.1	39.5	34.4	31.8	26.7	25.5
60°	6782.5	4237.0	124.7	73.8	54.7	40.7	34.4	30.5	26.7	22.9	21.6
62.5°	6918.6	4056.2	95.5	58.5	44.5	35.6	30.5	26.7	22.9	19.1	17.8
65°	6734.1	3735.5	75.1	45.8	34.4	30.5	25.5	21.6	17.8	14.0	12.7
67.5°	5915.7	3150.0	58.5	36.9	26.7	22.9	21.6	17.8	12.7	10.2	8.9
70°	4181.0	2157.3	45.8	28.0	20.4	17.8	16.5	14.0	10.2	7.6	6.4
72.5°	2294.8	1088.2	33.1	20.4	15.3	14.0	12.7	11.5	8.9	6.4	6.4
75°	883.3	299.1	24.2	14.0	10.2	10.2	8.9	8.9	7.6	5.1	5.1
77.5°	230.4	89.1	15.3	8.9	6.4	6.4	6.4	5.1	5.1	3.8	3.8
80°	73.8	29.3	8.9	6.4	5.1	3.8	3.8	2.5	3.8	2.5	2.5
82.5°	24.2	10.2	5.1	5.1	3.8	2.5	2.5	1.3	1.3	0.0	0.0
85°	8.9	5.1	3.8	2.5	2.5	2.5	1.3	0.0	0.0	0.0	0.0
87.5°	5.1	2.5	2.5	2.5	2.5	1.3	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)