

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: P635086

Luminaire Tested: GWS-SA3D-722-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635086
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-722-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8004.6 lumens
Efficiency: N/A
Efficacy: 66.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

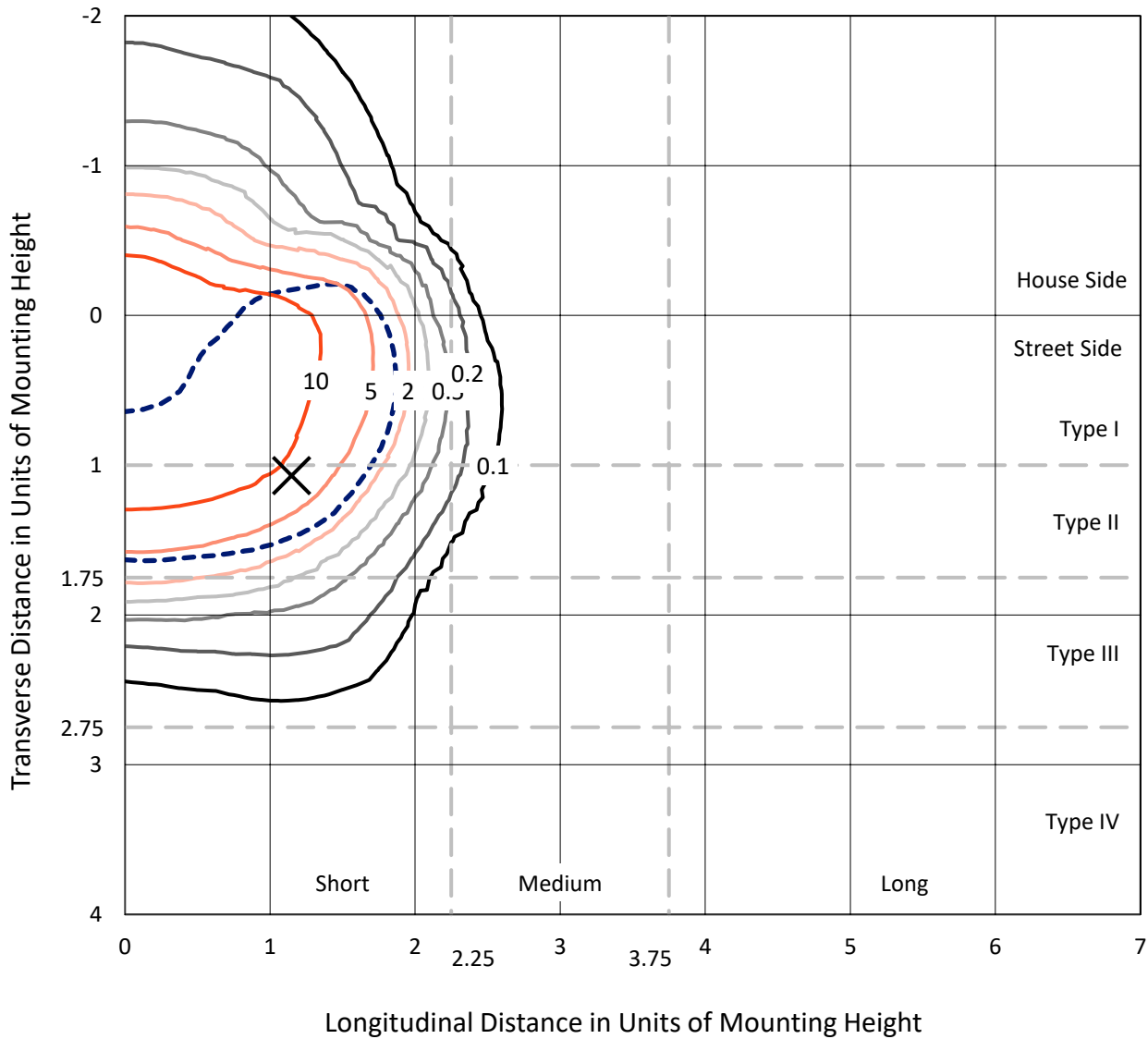
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

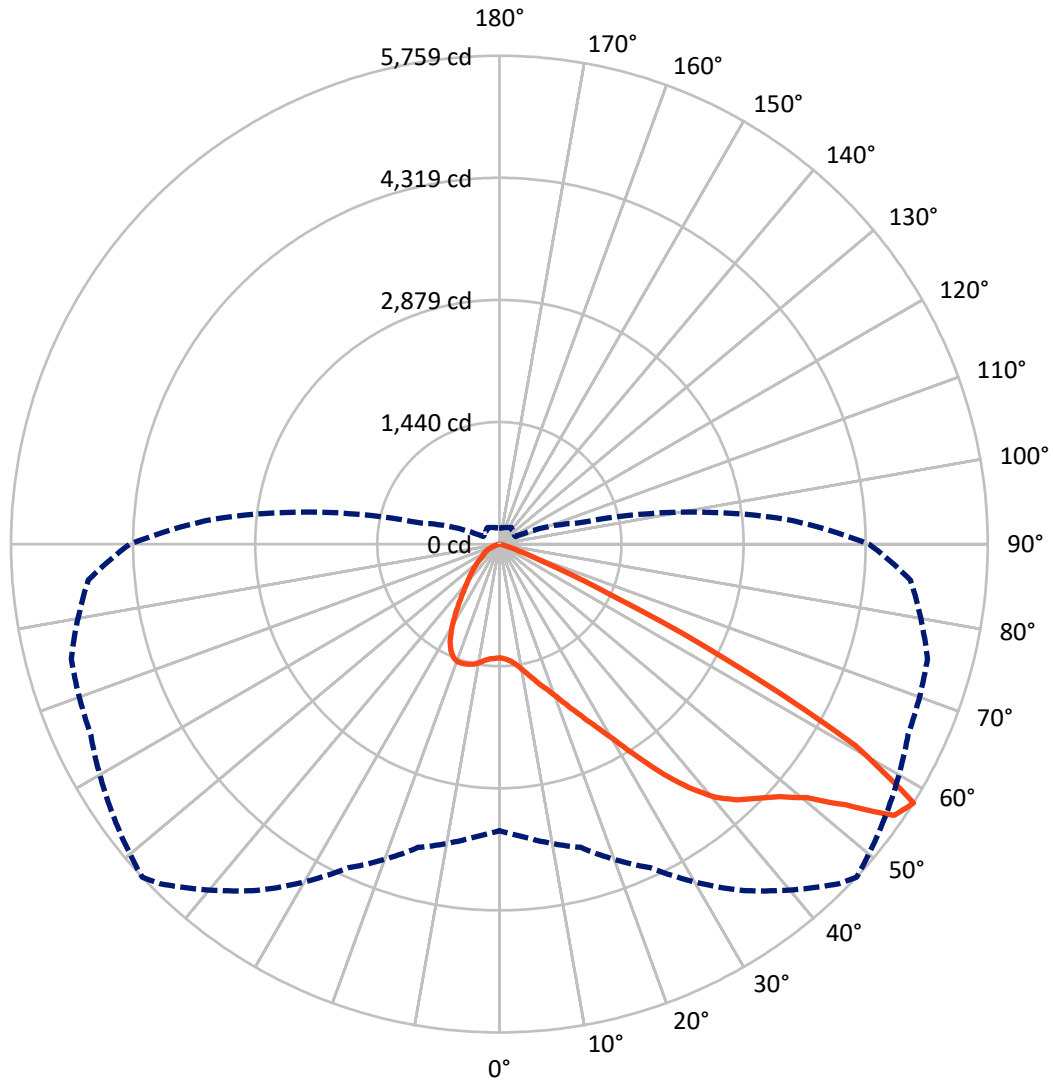
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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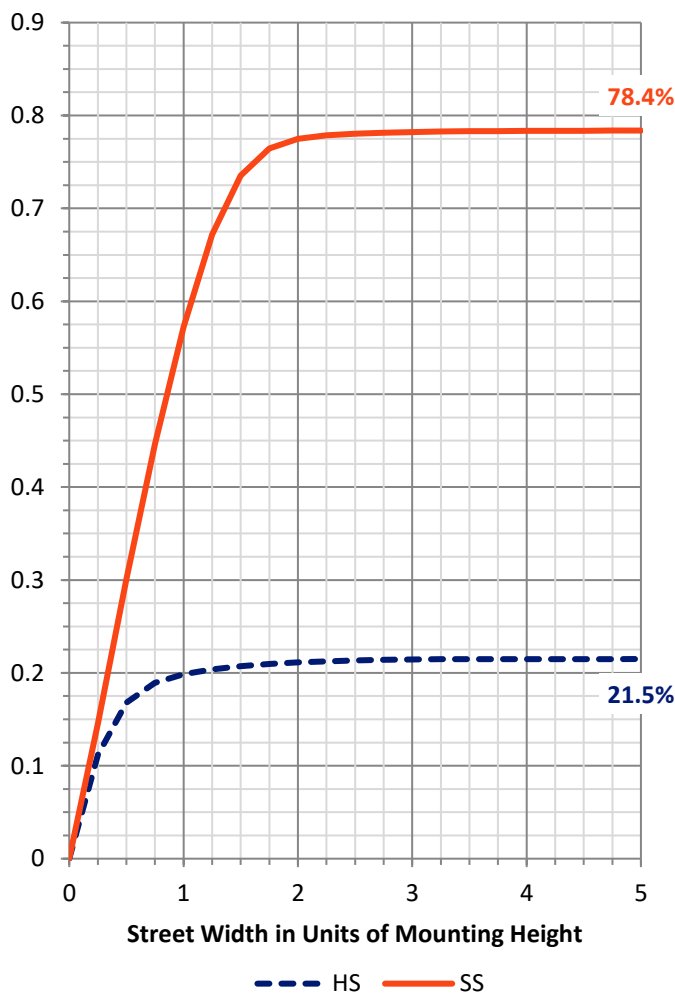
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1736.6	0.0	1736.6
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	6268.0	0.0	6268.0
	% Fixture	78.3	0.0	78.3
Total	Lumens	8004.6	0.0	8004.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.3	1.7
10°-20°	449.8	5.6
20°-30°	835.2	10.4
30°-40°	1337.0	16.7
40°-50°	1954.4	24.4
50°-60°	2412.1	30.1
60°-70°	806.0	10.1
70°-80°	75.1	0.9
80°-90°	1.6	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°	8004.6	100.0
0°-180°	8004.6	100.0

Coefficient of Utilization

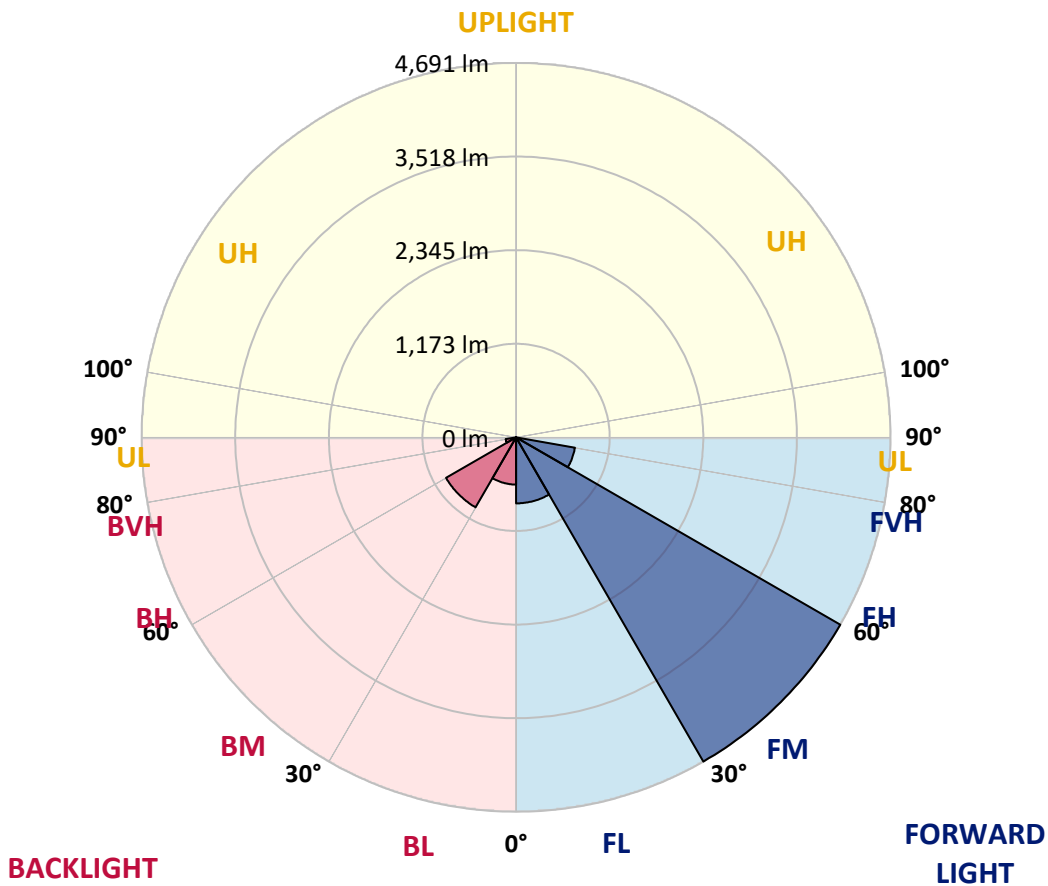


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	827.3	10.3			
FM (30°-60°)	4690.6	58.6			
FH (60°-80°)	749.1	9.4			G1/1800
FVH (80°-90°)	1.1	0.0			G0/10
BL (0°-30°)	591.1	7.4	B2/1000		
BM (30°-60°)	1013.0	12.7	B2/2500		
BH (60°-80°)	132.0	1.6	B1/500		G1/500
BVH (80°-90°)	0.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1340.0	1340.0	1340.0	1340.0	1340.0	1340.0	1340.0	1340.0	1340.0	1340.0	1340.0
2.5°	1353.9	1353.0	1352.1	1357.6	1355.8	1354.8	1356.7	1356.7	1356.7	1351.1	1340.0
5°	1386.4	1386.4	1385.5	1391.1	1386.4	1383.7	1384.6	1384.6	1380.9	1370.6	1356.7
7.5°	1437.5	1435.7	1433.8	1439.4	1434.8	1433.8	1435.7	1430.1	1423.6	1406.9	1387.4
10°	1511.0	1511.0	1508.2	1513.7	1510.0	1508.2	1508.2	1504.5	1492.4	1466.4	1437.5
12.5°	1612.2	1607.6	1601.1	1596.5	1594.6	1593.7	1594.6	1589.0	1576.0	1542.6	1502.6
15°	1722.8	1719.1	1708.9	1701.5	1691.2	1689.4	1695.0	1690.3	1677.3	1631.8	1575.1
17.5°	1862.2	1866.9	1840.8	1825.0	1795.3	1793.5	1795.3	1802.7	1793.5	1734.9	1652.2
20°	1981.2	1984.9	1965.4	1954.2	1927.3	1915.2	1918.9	1931.0	1920.8	1852.0	1736.8
22.5°	2108.5	2113.1	2092.7	2069.4	2057.4	2057.4	2071.3	2088.0	2074.1	1983.9	1833.4
25°	2260.9	2264.6	2247.9	2217.2	2195.8	2222.8	2243.2	2287.8	2264.6	2141.9	1947.7
27.5°	2435.6	2436.5	2412.3	2380.7	2369.6	2419.8	2440.2	2509.0	2499.7	2319.4	2068.5
30°	2622.3	2623.3	2617.7	2596.3	2586.1	2652.1	2680.0	2779.4	2772.9	2539.6	2233.0
32.5°	2816.6	2816.6	2826.8	2824.9	2837.0	2944.8	2989.4	3102.8	3096.3	2809.1	2437.4
35°	3011.7	3012.6	3030.3	3074.9	3125.1	3268.2	3326.7	3464.2	3449.4	3131.6	2698.5
37.5°	3233.8	3224.5	3248.7	3315.6	3427.1	3592.5	3648.2	3779.3	3762.5	3461.5	3039.6
40°	3501.4	3484.7	3484.7	3562.7	3689.1	3879.6	3927.0	3992.1	3935.4	3728.2	3374.1
42.5°	3796.9	3781.1	3760.7	3829.4	3935.4	4084.1	4123.1	4105.4	4059.0	3980.0	3755.1
45°	4096.1	4072.0	4085.9	4127.7	4189.1	4259.7	4274.6	4192.8	4171.4	4193.7	4070.1
47.5°	4323.8	4307.1	4341.5	4400.0	4450.2	4460.4	4450.2	4336.8	4335.0	4413.9	4288.5
50°	4400.0	4401.9	4496.6	4624.9	4705.7	4714.1	4700.1	4570.1	4552.4	4575.6	4406.5
52.5°	4407.4	4414.9	4553.3	4797.7	5018.0	5118.3	5107.2	4966.8	4794.0	4768.9	4584.9
55°	4228.1	4271.8	4465.0	4821.9	5290.2	5610.8	5648.0	5379.4	5123.0	5101.6	4968.7
57.5°	3379.7	3468.9	3702.1	4210.4	4986.4	5661.9	5758.6	5565.3	5317.2	5226.1	4865.6
60°	2020.2	2130.8	2354.7	2978.2	3795.1	4653.7	4820.0	4847.0	4732.7	4469.7	3732.8
62.5°	867.0	857.7	1133.7	1611.3	2257.1	2957.8	3033.1	3150.2	3249.6	2974.5	2265.5
65°	297.4	323.4	449.8	726.7	1130.0	1373.4	1440.3	1545.3	1686.6	1392.0	829.8
67.5°	184.0	195.1	259.3	429.3	609.6	600.3	570.6	553.8	539.0	368.9	227.7
70°	133.8	143.1	182.1	295.5	409.8	288.1	250.0	202.6	224.9	207.2	161.7
72.5°	90.1	97.6	125.4	179.3	210.0	140.3	130.1	147.8	178.4	170.1	132.0
75°	53.9	58.5	71.6	87.3	85.5	72.5	73.4	104.1	136.6	127.3	93.9
77.5°	37.2	39.0	47.4	56.7	41.8	22.3	20.4	28.8	46.5	46.5	31.6
80°	9.3	12.1	12.1	7.4	6.5	5.6	5.6	8.4	13.0	9.3	4.6
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	1.9	1.9	1.9
85°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	1.9	1.9	1.9
87.5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	1.9
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°	1340.0	1340.0	1340.0	1340.0	1340.0	1340.0	1340.0	1340.0	1340.0	1340.0	1340.0
2.5°	1346.5	1335.3	1342.8	1340.9	1346.5	1348.3	1340.0	1338.1	1339.0	1327.9	1324.2
5°	1359.5	1346.5	1350.2	1346.5	1353.0	1358.6	1355.8	1359.5	1364.1	1355.8	1352.1
7.5°	1387.4	1374.4	1373.4	1367.9	1377.1	1380.9	1379.9	1390.2	1399.5	1393.9	1388.3
10°	1435.7	1418.0	1416.2	1411.5	1414.3	1417.1	1406.9	1408.7	1417.1	1410.6	1407.8
12.5°	1495.2	1473.8	1469.1	1458.0	1458.0	1444.1	1421.8	1417.1	1423.6	1419.0	1414.3
15°	1559.3	1530.5	1523.0	1503.5	1484.9	1458.9	1435.7	1430.1	1434.8	1429.2	1425.5
17.5°	1630.8	1598.3	1574.1	1539.8	1498.9	1468.2	1442.2	1430.1	1422.7	1411.5	1410.6
20°	1701.5	1658.7	1617.8	1563.0	1509.1	1462.6	1419.9	1388.3	1361.4	1344.6	1338.1
22.5°	1783.2	1720.0	1654.1	1576.9	1499.8	1429.2	1353.9	1300.0	1253.6	1237.8	1230.3
25°	1870.6	1788.8	1690.3	1589.9	1468.2	1354.8	1252.6	1172.7	1111.4	1090.9	1082.6
27.5°	1967.2	1854.8	1727.5	1587.2	1403.2	1248.9	1113.2	1013.8	953.4	934.8	941.3
30°	2089.9	1940.3	1773.9	1558.4	1305.6	1100.2	941.3	857.7	812.2	794.5	795.4
32.5°	2253.4	2062.9	1841.8	1497.0	1180.1	931.1	791.7	730.4	699.7	676.5	674.6
35°	2487.6	2249.7	1905.0	1398.5	1027.8	780.6	679.3	631.0	588.2	561.3	565.9
37.5°	2768.2	2484.8	1939.3	1265.6	856.8	663.5	594.7	545.5	497.1	457.2	461.8
40°	3100.9	2792.4	1936.6	1090.9	700.7	583.6	524.1	466.5	406.1	369.8	373.6
42.5°	3471.7	3083.3	1876.2	906.0	580.8	518.5	456.3	383.8	325.2	302.9	303.9
45°	3793.2	3319.3	1770.2	714.6	488.8	455.3	385.6	311.3	285.3	269.5	268.6
47.5°	4031.1	3492.1	1618.8	562.2	414.4	397.7	316.9	278.8	258.3	245.3	243.5
50°	4164.0	3552.5	1451.5	440.5	350.3	337.3	283.4	252.8	238.8	230.5	228.6
52.5°	4342.4	3625.0	1331.6	347.5	293.6	276.0	261.1	235.1	225.8	219.3	216.5
55°	4624.9	3765.3	1227.5	276.0	244.4	240.7	246.3	224.9	219.3	209.1	205.4
57.5°	4359.1	3382.5	953.4	213.7	206.3	220.2	237.9	214.7	200.7	191.4	187.7
60°	3067.5	2248.8	479.5	171.9	184.0	206.3	223.9	194.2	180.3	182.1	180.3
62.5°	1691.2	1125.3	215.6	144.0	159.8	182.1	191.4	168.2	158.9	174.7	177.5
65°	552.9	382.9	124.5	111.5	126.4	148.7	165.4	159.8	158.0	176.6	182.1
67.5°	170.1	126.4	84.6	79.9	87.3	109.7	139.4	172.8	185.9	191.4	194.2
70°	127.3	99.4	72.5	67.8	71.6	83.6	118.0	144.0	135.7	136.6	134.7
72.5°	102.2	79.0	62.3	59.5	59.5	57.6	62.3	78.1	88.3	92.9	92.9
75°	71.6	55.8	47.4	43.7	34.4	27.9	25.1	25.1	22.3	21.4	20.4
77.5°	24.2	20.4	18.6	14.9	10.2	8.4	7.4	6.5	4.6	2.8	1.9
80°	3.7	2.8	1.9	1.9	1.9	0.9	0.9	0.9	0.0	0.0	0.0
82.5°	1.9	1.9	1.9	1.9	1.9	0.9	0.9	0.0	0.0	0.0	0.0
85°	1.9	1.9	1.9	1.9	1.9	0.9	0.9	0.0	0.0	0.0	0.0
87.5°	1.9	1.9	1.9	1.9	0.9	0.9	0.9	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)