

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: P635408

Luminaire Tested: GWS-SA3D-760-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635408
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-760-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10546.3 lumens
Efficiency: N/A
Efficacy: 87.3 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

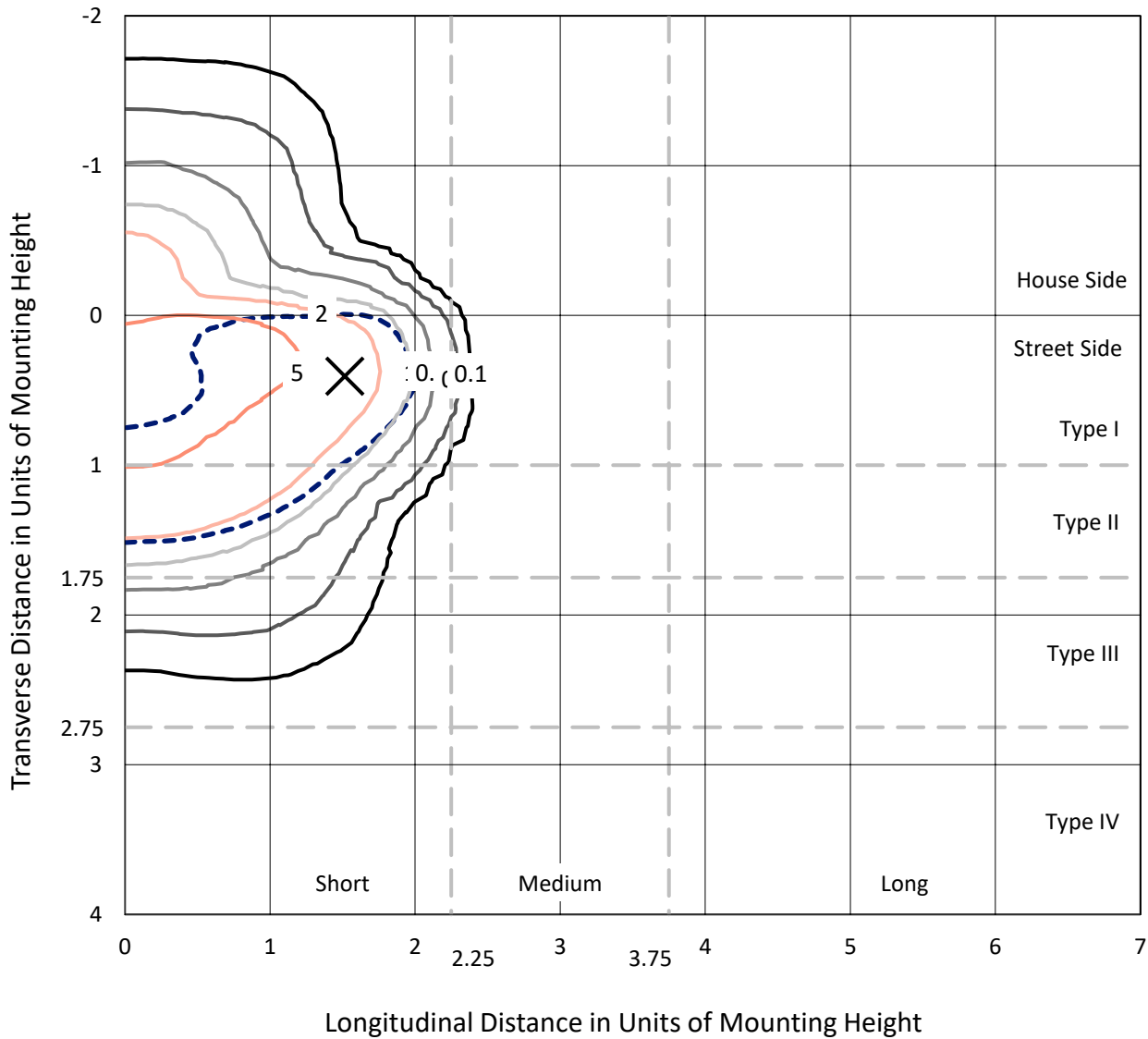
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

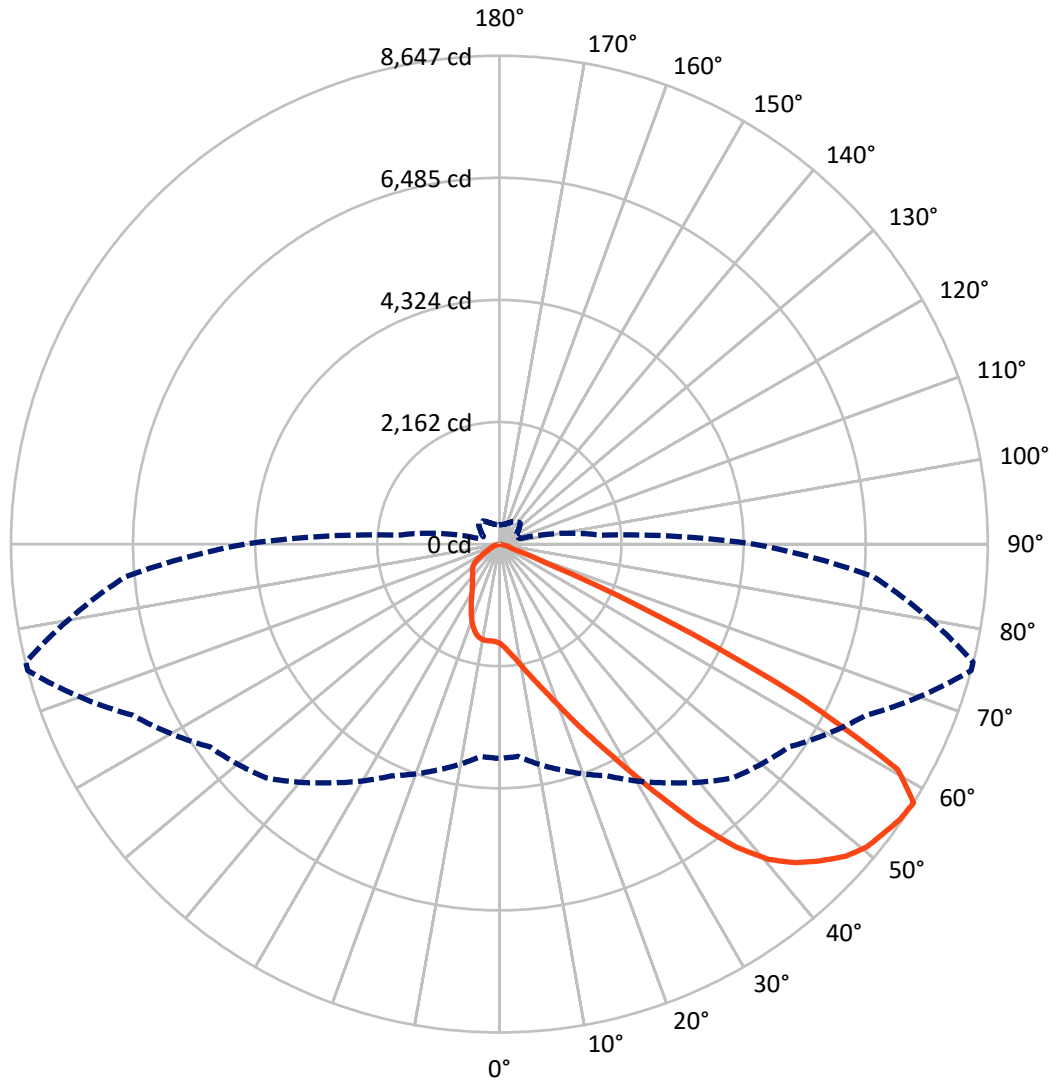
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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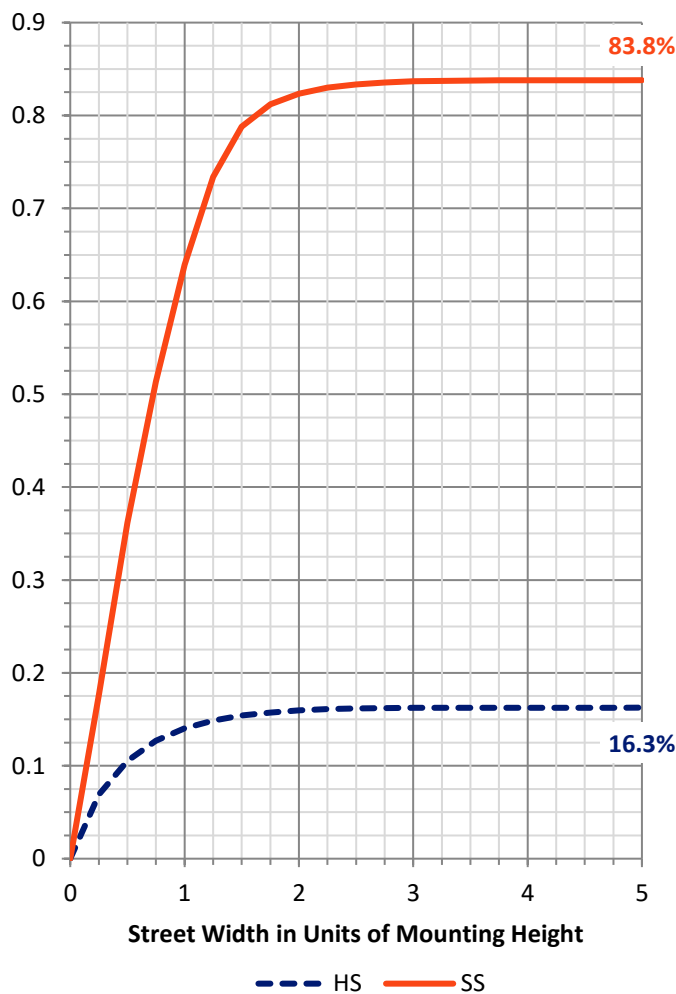
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1722.7	0.0	1722.7
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	8823.6	0.0	8823.6
	% Fixture	83.7	0.0	83.7
Total	Lumens	10546.3	0.0	10546.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.0	1.7
10°-20°	581.4	5.5
20°-30°	1064.8	10.1
30°-40°	1766.5	16.8
40°-50°	2697.9	25.6
50°-60°	3031.6	28.7
60°-70°	1118.2	10.6
70°-80°	106.9	1.0
80°-90°	0.1	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°	10546.3	100.0
0°-180°	10546.3	100.0

Coefficient of Utilization



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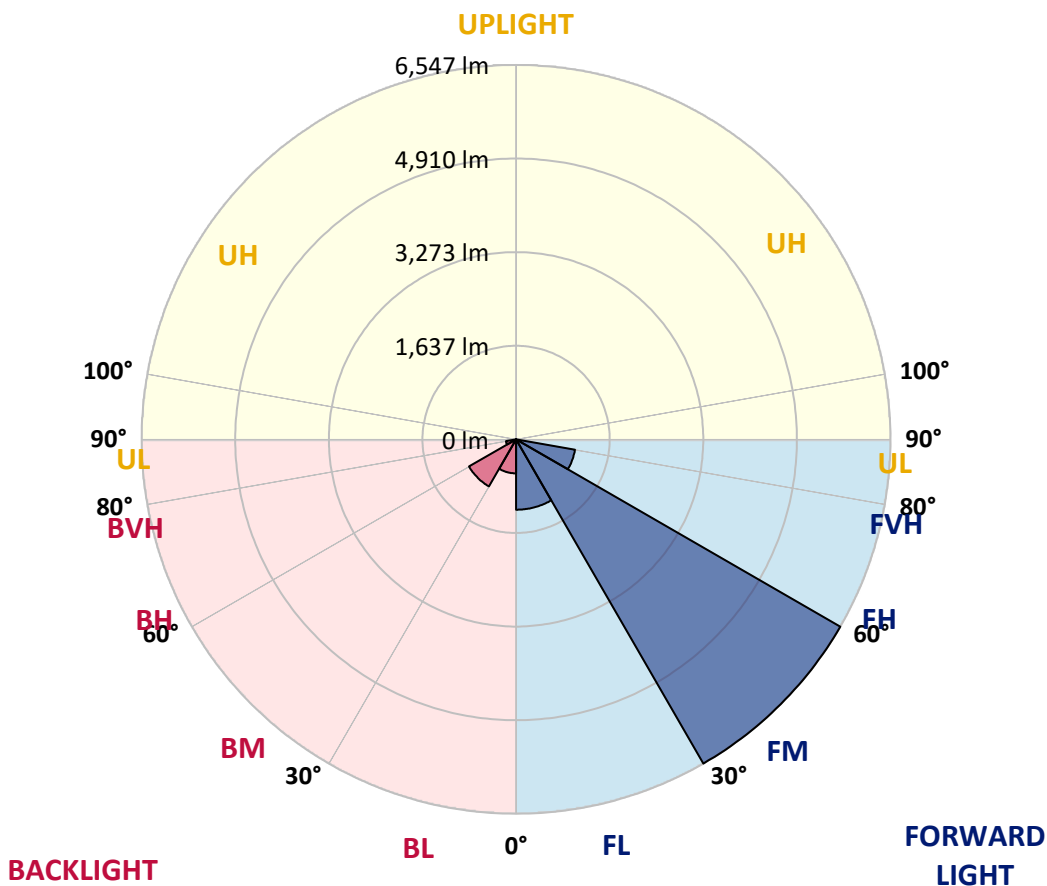
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1230.7	11.7			
FM (30°-60°)	6546.7	62.1			
FH (60°-80°)	1046.2	9.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	594.4	5.6	B2/1000		
BM (30°-60°)	949.3	9.0	B1/1000		
BH (60°-80°)	178.9	1.7	B1/500		G1/500
BVH (80°-90°)	0.0	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°	55°	65°	75°	76°	85°
0°	1759.0	1759.0	1759.0	1759.0	1759.0	1759.0	1759.0	1759.0	1759.0	1759.0	1759.0
2.5°	1965.2	1985.5	1979.2	1966.4	1958.8	1932.1	1915.5	1867.2	1832.8	1829.0	1797.2
5°	2213.4	2209.5	2204.4	2189.2	2176.4	2134.4	2084.8	2003.3	1930.8	1921.9	1854.4
7.5°	2349.5	2352.1	2354.6	2352.1	2343.2	2311.4	2256.6	2161.2	2050.4	2042.8	1935.9
10°	2405.5	2410.6	2423.4	2447.5	2469.2	2466.6	2434.8	2336.8	2200.6	2187.9	2044.1
12.5°	2432.3	2438.6	2459.0	2504.8	2563.4	2609.2	2614.3	2526.5	2376.3	2355.9	2172.6
15°	2469.2	2475.5	2501.0	2560.8	2646.1	2736.5	2795.0	2739.0	2571.0	2549.4	2313.9
17.5°	2485.7	2494.6	2531.6	2610.5	2721.2	2859.9	2992.3	2987.2	2801.4	2784.8	2478.1
20°	2517.6	2523.9	2557.0	2642.3	2775.9	2975.7	3198.5	3278.7	3082.7	3058.5	2676.6
22.5°	2618.1	2620.6	2635.9	2689.4	2814.1	3059.8	3408.5	3618.5	3414.9	3383.0	2899.4
25°	2782.3	2781.0	2787.4	2796.3	2887.9	3145.0	3610.9	4001.6	3795.4	3761.1	3151.4
27.5°	2991.0	2991.0	3006.3	2980.8	3017.8	3250.7	3810.7	4442.0	4238.3	4190.0	3427.6
30°	3236.7	3235.4	3271.0	3230.3	3241.8	3417.4	4025.8	4921.8	4772.9	4713.1	3745.8
32.5°	3570.1	3562.5	3603.2	3547.2	3509.0	3669.4	4288.0	5423.3	5413.1	5321.5	4145.4
35°	3991.4	3978.7	3991.4	3936.7	3868.0	4022.0	4631.6	5923.5	6123.3	6026.6	4621.4
37.5°	4410.2	4450.9	4464.9	4370.7	4314.7	4468.7	5045.3	6371.5	6801.7	6701.2	5116.6
40°	4904.0	4891.3	4939.6	4834.0	4798.4	4968.9	5450.0	6705.0	7338.8	7243.4	5556.9
42.5°	5268.0	5290.9	5350.7	5292.2	5264.2	5424.6	5789.9	6899.7	7711.7	7617.6	5871.3
45°	5704.6	5721.1	5744.0	5695.7	5666.4	5824.2	6035.5	6985.0	7995.6	7893.8	6082.6
47.5°	6176.8	6189.5	6189.5	6090.2	5996.0	6061.0	6199.7	7033.4	8256.5	8158.5	6239.1
50°	6515.3	6521.7	6577.7	6507.7	6302.8	6202.2	6274.8	7080.5	8429.6	8338.0	6290.1
52.5°	6215.0	6207.3	6391.9	6537.0	6591.7	6391.9	6404.6	7149.2	8513.6	8434.7	6330.8
55°	5233.7	5220.9	5480.6	5833.1	6315.5	6571.3	6561.2	7189.9	8606.5	8558.1	6478.4
57.5°	3794.1	3772.5	4134.0	4526.0	5158.6	5852.2	6259.5	7167.0	8647.2	8643.4	6650.3
60°	2280.8	2263.0	2604.1	3016.5	3505.2	4202.7	4878.5	6419.9	8102.5	8110.1	6203.5
62.5°	1403.9	1420.4	1728.4	1938.4	2120.4	2330.5	2721.2	4318.5	6002.4	6052.0	4359.3
65°	944.4	957.1	1242.2	1507.0	1507.0	1232.0	1057.7	2064.4	3202.3	3118.3	2061.9
67.5°	633.8	647.8	873.1	1182.4	1227.0	859.1	428.9	616.0	892.2	865.5	510.4
70°	372.9	388.2	581.7	810.8	893.5	598.2	286.4	260.9	253.3	245.6	198.6
72.5°	166.7	173.1	296.6	412.4	376.7	252.0	202.4	208.7	197.3	193.5	161.6
75°	50.9	53.5	76.4	89.1	90.4	90.4	122.2	164.2	155.3	156.6	124.7
77.5°	12.7	12.7	20.4	19.1	10.2	8.9	22.9	36.9	38.2	34.4	25.5
80°	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1759.0	1759.0	1759.0	1759.0	1759.0	1759.0	1759.0	1759.0	1759.0	1759.0	1759.0
2.5°	1783.2	1750.1	1728.4	1697.9	1676.2	1653.3	1633.0	1616.4	1607.5	1605.0	1606.2
5°	1823.9	1771.7	1720.8	1662.2	1621.5	1583.3	1552.8	1528.6	1517.1	1513.3	1513.3
7.5°	1886.3	1813.7	1723.3	1631.7	1563.0	1503.1	1467.5	1440.8	1430.6	1428.1	1420.4
10°	1967.7	1868.4	1719.5	1577.0	1480.2	1417.9	1392.4	1384.8	1388.6	1389.9	1388.6
12.5°	2065.7	1925.7	1695.3	1496.8	1392.4	1354.2	1356.8	1377.1	1400.1	1411.5	1414.1
15°	2170.1	1977.9	1640.6	1401.3	1317.3	1316.1	1353.0	1400.1	1444.6	1463.7	1468.8
17.5°	2287.2	2019.9	1556.6	1299.5	1252.4	1289.3	1355.5	1428.1	1487.9	1519.7	1526.1
20°	2415.7	2054.3	1449.7	1204.0	1195.1	1261.3	1353.0	1442.1	1515.9	1551.5	1557.9
22.5°	2549.4	2078.4	1326.2	1116.2	1143.0	1229.5	1328.8	1415.3	1485.3	1526.1	1531.1
25°	2702.1	2081.0	1200.2	1042.4	1094.6	1186.2	1270.2	1341.5	1400.1	1435.7	1439.5
27.5°	2835.7	2050.4	1088.2	982.6	1050.0	1132.8	1188.8	1228.2	1269.0	1289.3	1290.6
30°	2989.8	1997.0	982.6	934.2	1004.2	1066.6	1094.6	1103.5	1107.3	1111.1	1106.0
32.5°	3173.0	1932.1	903.7	887.1	952.0	994.0	1001.7	983.9	962.2	931.7	924.0
35°	3398.3	1873.5	838.8	841.3	894.8	920.2	913.9	875.7	833.7	796.8	790.4
37.5°	3642.7	1823.9	789.1	796.8	832.4	850.2	831.1	789.1	770.0	738.2	739.5
40°	3859.1	1783.2	744.6	752.2	768.8	785.3	754.8	726.8	762.4	759.8	762.4
42.5°	4013.1	1748.8	706.4	702.6	714.0	725.5	702.6	688.6	748.4	731.8	740.8
45°	4103.4	1717.0	674.6	651.7	669.5	689.8	674.6	656.8	677.1	600.8	594.4
47.5°	4164.5	1699.2	646.6	602.0	633.8	669.5	637.7	594.4	565.1	498.9	493.8
50°	4170.9	1690.2	613.5	551.1	591.8	630.0	593.1	533.3	491.3	462.0	458.2
52.5°	4204.0	1708.1	567.7	486.2	530.7	591.8	566.4	506.6	449.3	423.8	418.7
55°	4351.6	1783.2	491.3	397.1	462.0	562.6	544.7	451.8	397.1	381.8	378.0
57.5°	4504.4	1798.4	386.9	314.4	402.2	520.6	497.7	416.2	362.7	344.9	341.1
60°	4118.7	1481.5	290.2	259.6	355.1	481.1	460.7	394.6	332.2	310.6	306.7
62.5°	2705.9	800.6	230.4	220.2	299.1	407.3	420.0	356.4	296.6	273.6	272.4
65°	1247.3	371.7	176.9	174.4	234.2	324.6	361.5	311.8	250.7	230.4	230.4
67.5°	339.8	184.6	138.7	128.6	159.1	217.6	263.5	232.9	178.2	154.0	152.7
70°	169.3	148.9	124.7	110.7	114.5	134.9	155.3	129.8	90.4	73.8	72.5
72.5°	138.7	122.2	105.6	94.2	86.5	82.7	80.2	64.9	42.0	31.8	30.5
75°	103.1	87.8	75.1	61.1	52.2	48.4	43.3	31.8	17.8	10.2	8.9
77.5°	22.9	21.6	20.4	15.3	14.0	11.5	8.9	6.4	2.5	0.0	0.0
80°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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)