

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: P641513

Luminaire Tested: GWS-SA6B-722-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641513
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-SA6B-722-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9263.8 lumens
Efficiency: N/A
Efficacy: 66.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

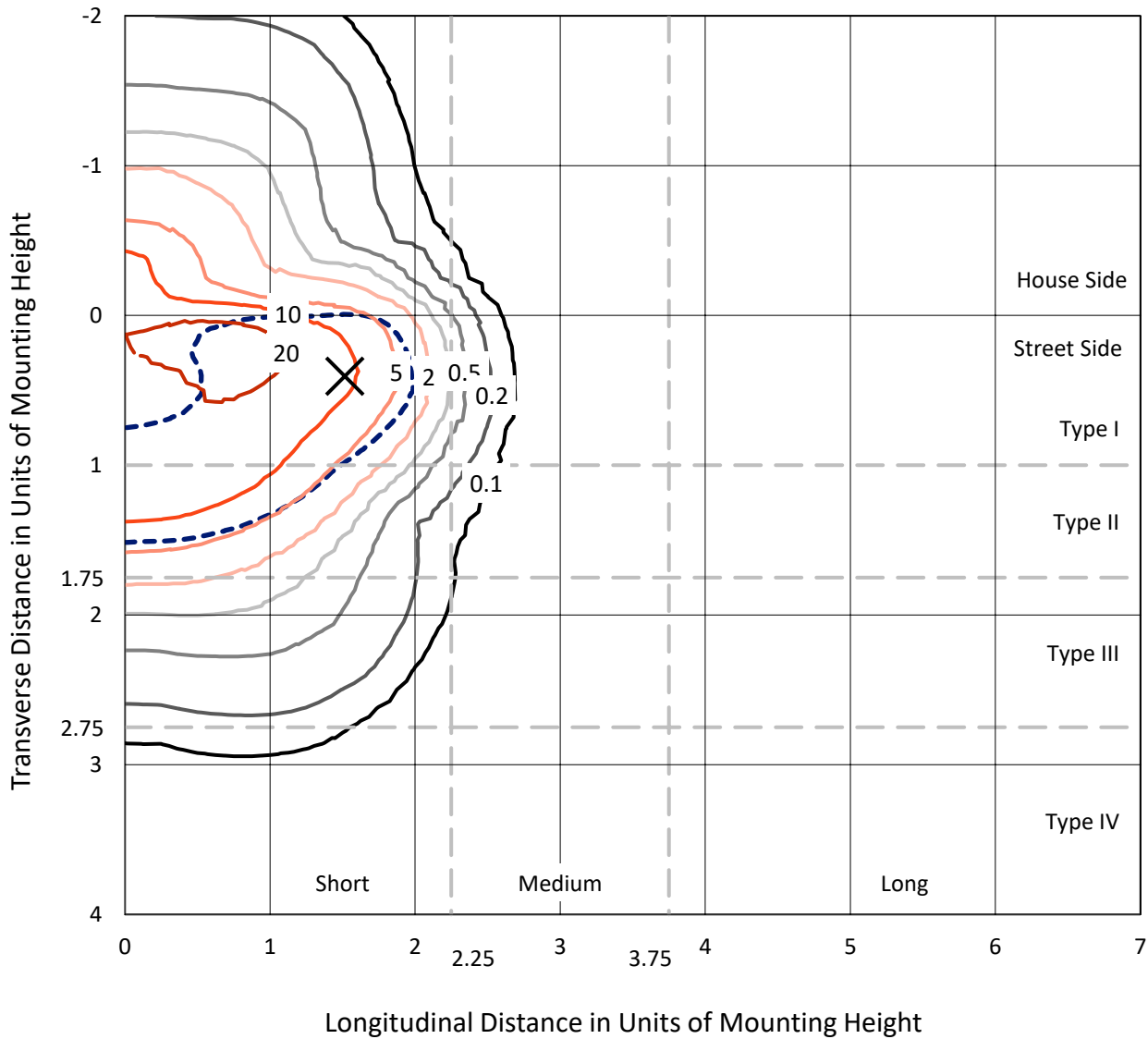
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

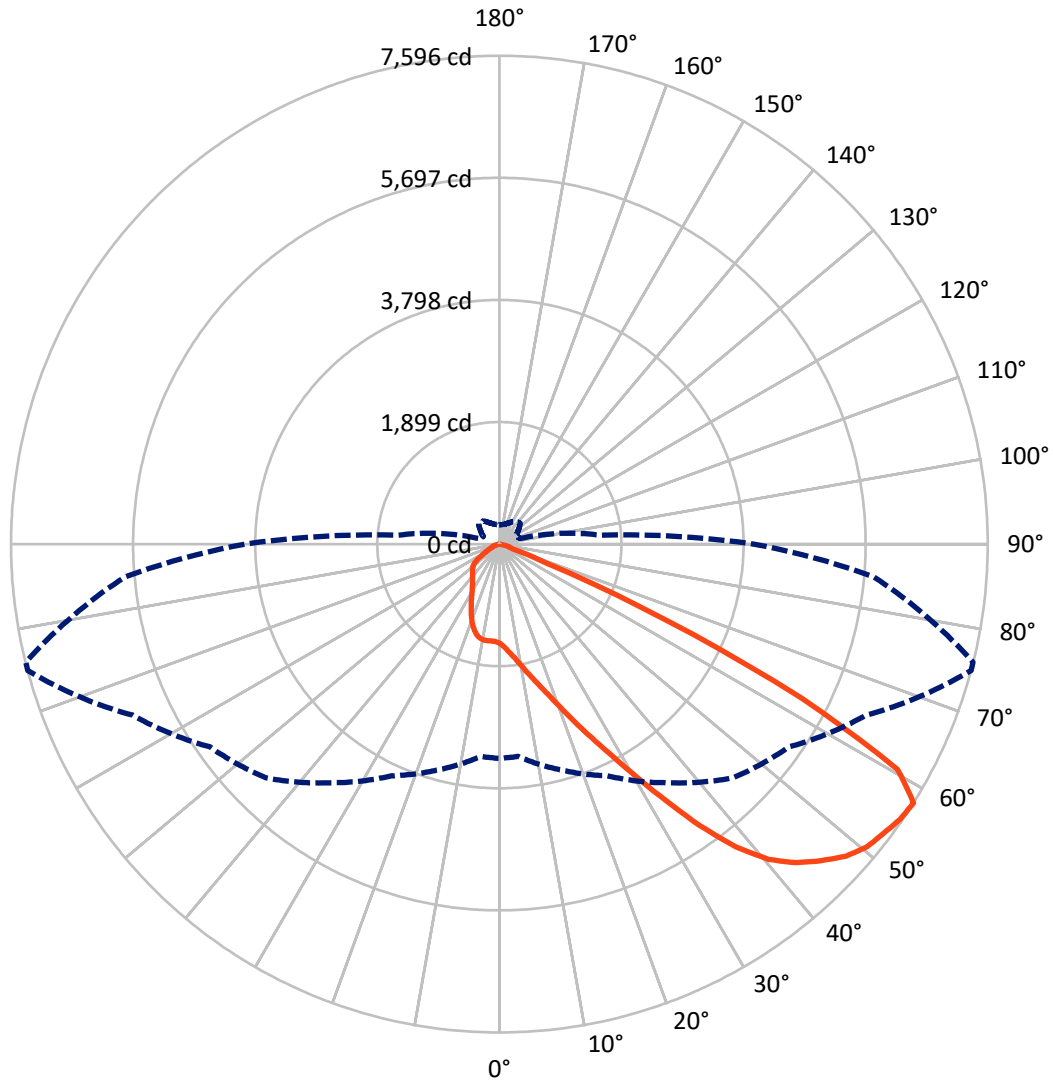
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 28.9 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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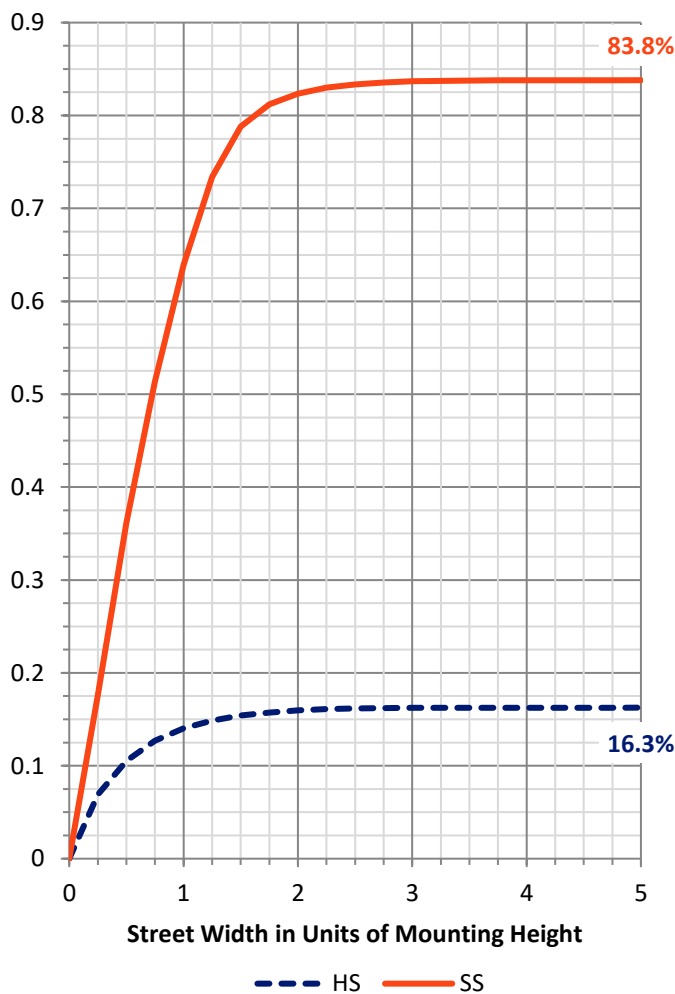
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1513.2	0.0	1513.2
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	7750.6	0.0	7750.6
	% Fixture	83.7	0.0	83.7
Total	Lumens	9263.8	0.0	9263.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.2	1.7
10°-20°	510.7	5.5
20°-30°	935.3	10.1
30°-40°	1551.7	16.8
40°-50°	2369.8	25.6
50°-60°	2662.9	28.7
60°-70°	982.2	10.6
70°-80°	93.9	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°	9263.8	100.0
0°-180°	9263.8	100.0

Coefficient of Utilization



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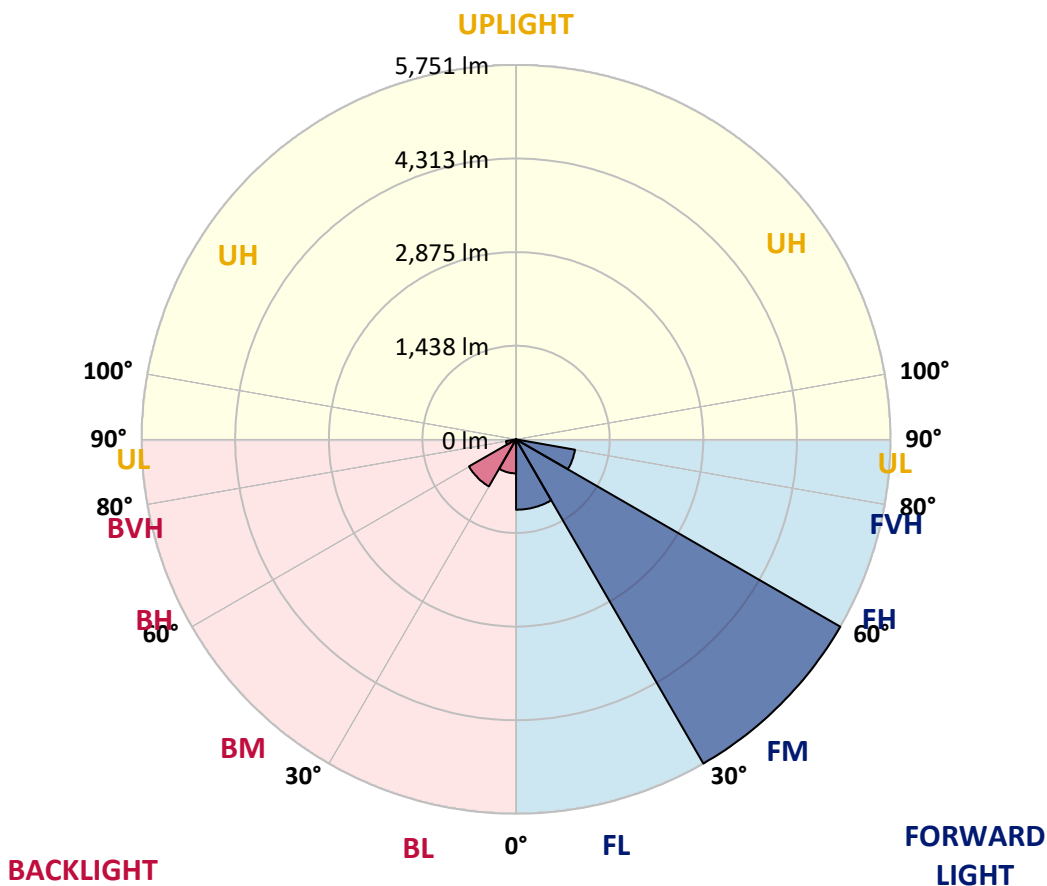
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1081.1	11.7			
FM (30°-60°)	5750.5	62.1			
FH (60°-80°)	918.9	9.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	522.2	5.6	B2/1000		
BM (30°-60°)	833.9	9.0	B1/1000		
BH (60°-80°)	157.1	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°	1545.1	1545.1	1545.1	1545.1	1545.1	1545.1	1545.1	1545.1	1545.1	1545.1	1545.1
2.5°	1726.2	1744.1	1738.5	1727.3	1720.6	1697.1	1682.6	1640.1	1609.9	1606.6	1578.6
5°	1944.2	1940.8	1936.4	1923.0	1911.8	1874.9	1831.3	1759.7	1696.0	1688.2	1628.9
7.5°	2063.8	2066.1	2068.3	2066.1	2058.2	2030.3	1982.2	1898.4	1801.1	1794.4	1700.5
10°	2113.0	2117.5	2128.7	2149.9	2168.9	2166.7	2138.7	2052.6	1933.0	1921.8	1795.5
12.5°	2136.5	2142.1	2160.0	2200.2	2251.6	2291.9	2296.4	2219.2	2087.3	2069.4	1908.4
15°	2168.9	2174.5	2196.9	2249.4	2324.3	2403.7	2455.1	2405.9	2258.4	2239.3	2032.5
17.5°	2183.4	2191.3	2223.7	2293.0	2390.3	2512.1	2628.4	2623.9	2460.7	2446.2	2176.7
20°	2211.4	2217.0	2246.1	2321.0	2438.4	2613.9	2809.5	2880.0	2707.8	2686.5	2351.1
22.5°	2299.7	2302.0	2315.4	2362.3	2471.9	2687.7	2994.0	3178.5	2999.6	2971.6	2546.8
25°	2443.9	2442.8	2448.4	2456.2	2536.7	2762.6	3171.8	3515.0	3333.9	3303.7	2768.2
27.5°	2627.3	2627.3	2640.7	2618.4	2650.8	2855.4	3347.3	3901.8	3722.9	3680.4	3010.8
30°	2843.1	2842.0	2873.3	2837.5	2847.5	3001.8	3536.2	4323.3	4192.5	4139.9	3290.3
32.5°	3136.0	3129.3	3165.1	3115.9	3082.3	3223.2	3766.5	4763.8	4754.8	4674.3	3641.3
35°	3506.0	3494.9	3506.0	3458.0	3397.6	3532.9	4068.4	5203.2	5378.7	5293.7	4059.4
37.5°	3873.9	3909.6	3921.9	3839.2	3790.0	3925.3	4431.7	5596.7	5974.6	5886.3	4494.4
40°	4307.6	4296.5	4338.9	4246.2	4214.9	4364.7	4787.3	5889.6	6446.4	6362.5	4881.2
42.5°	4627.4	4647.5	4700.1	4648.6	4624.0	4764.9	5085.8	6060.7	6773.9	6691.2	5157.3
45°	5010.9	5025.4	5045.5	5003.0	4977.3	5116.0	5301.5	6135.6	7023.3	6933.8	5342.9
47.5°	5425.6	5436.8	5436.8	5349.6	5266.9	5323.9	5445.8	6178.1	7252.5	7166.4	5480.4
50°	5723.0	5728.6	5777.8	5716.3	5536.3	5448.0	5511.7	6219.4	7404.5	7324.0	5525.1
52.5°	5459.2	5452.5	5614.6	5742.0	5790.1	5614.6	5625.8	6279.8	7478.3	7409.0	5560.9
55°	4597.2	4586.0	4814.1	5123.8	5547.5	5772.2	5763.3	6315.6	7559.9	7517.4	5690.6
57.5°	3332.8	3313.7	3631.3	3975.6	4531.2	5140.6	5498.3	6295.4	7595.7	7592.3	5841.5
60°	2003.5	1987.8	2287.4	2649.7	3079.0	3691.6	4285.3	5639.2	7117.2	7123.9	5449.1
62.5°	1233.2	1247.7	1518.2	1702.7	1862.6	2047.1	2390.3	3793.4	5272.5	5316.1	3829.1
65°	829.6	840.7	1091.2	1323.7	1323.7	1082.2	929.1	1813.4	2812.9	2739.1	1811.2
67.5°	556.8	569.1	766.9	1038.6	1077.7	754.6	376.8	541.1	783.7	760.2	448.3
70°	327.6	341.0	510.9	712.2	784.8	525.5	251.5	229.2	222.5	215.8	174.4
72.5°	146.5	152.0	260.5	362.2	330.9	221.4	177.8	183.4	173.3	169.9	142.0
75°	44.7	47.0	67.1	78.3	79.4	79.4	107.3	144.2	136.4	137.5	109.6
77.5°	11.2	11.2	17.9	16.8	8.9	7.8	20.1	32.4	33.5	30.2	22.4
80°	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1
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°	1545.1	1545.1	1545.1	1545.1	1545.1	1545.1	1545.1	1545.1	1545.1	1545.1	1545.1
2.5°	1566.3	1537.2	1518.2	1491.4	1472.4	1452.3	1434.4	1419.9	1412.0	1409.8	1410.9
5°	1602.1	1556.3	1511.5	1460.1	1424.3	1390.8	1364.0	1342.7	1332.7	1329.3	1329.3
7.5°	1656.9	1593.1	1513.8	1433.3	1372.9	1320.4	1289.1	1265.6	1256.6	1254.4	1247.7
10°	1728.4	1641.2	1510.4	1385.2	1300.2	1245.4	1223.1	1216.4	1219.7	1220.9	1219.7
12.5°	1814.5	1691.5	1489.2	1314.8	1223.1	1189.5	1191.8	1209.7	1229.8	1239.9	1242.1
15°	1906.2	1737.4	1441.1	1230.9	1157.1	1156.0	1188.4	1229.8	1268.9	1285.7	1290.2
17.5°	2009.0	1774.3	1367.3	1141.5	1100.1	1132.5	1190.7	1254.4	1306.9	1334.9	1340.5
20°	2122.0	1804.4	1273.4	1057.6	1049.8	1107.9	1188.4	1266.7	1331.5	1362.8	1368.4
22.5°	2239.3	1825.7	1165.0	980.5	1004.0	1080.0	1167.2	1243.2	1304.7	1340.5	1345.0
25°	2373.5	1827.9	1054.3	915.6	961.5	1042.0	1115.8	1178.4	1229.8	1261.1	1264.5
27.5°	2490.9	1801.1	955.9	863.1	922.3	995.0	1044.2	1078.9	1114.6	1132.5	1133.6
30°	2626.2	1754.1	863.1	820.6	882.1	936.9	961.5	969.3	972.7	976.0	971.5
32.5°	2787.2	1697.1	793.8	779.2	836.3	873.2	879.9	864.2	845.2	818.4	811.7
35°	2985.1	1645.7	736.8	739.0	786.0	808.3	802.7	769.2	732.3	699.9	694.3
37.5°	3199.7	1602.1	693.2	699.9	731.2	746.8	730.1	693.2	676.4	648.4	649.6
40°	3389.8	1566.3	654.0	660.7	675.3	689.8	663.0	638.4	669.7	667.4	669.7
42.5°	3525.0	1536.1	620.5	617.1	627.2	637.3	617.1	604.8	657.4	642.8	650.7
45°	3604.4	1508.2	592.5	572.4	588.1	606.0	592.5	576.9	594.8	527.7	522.1
47.5°	3658.1	1492.5	567.9	528.8	556.8	588.1	560.1	522.1	496.4	438.3	433.8
50°	3663.7	1484.7	538.9	484.1	519.9	553.4	521.0	468.4	431.5	405.8	402.5
52.5°	3692.7	1500.4	498.6	427.1	466.2	519.9	497.5	445.0	394.7	372.3	367.8
55°	3822.4	1566.3	431.5	348.8	405.8	494.2	478.5	396.9	348.8	335.4	332.0
57.5°	3956.6	1579.7	339.9	276.1	353.3	457.3	437.1	365.6	318.6	303.0	299.6
60°	3617.8	1301.3	254.9	228.1	311.9	422.6	404.7	346.6	291.8	272.8	269.4
62.5°	2376.9	703.2	202.4	193.4	262.7	357.8	368.9	313.0	260.5	240.4	239.3
65°	1095.6	326.5	155.4	153.2	205.7	285.1	317.5	273.9	220.2	202.4	202.4
67.5°	298.5	162.1	121.9	112.9	139.7	191.2	231.4	204.6	156.5	135.3	134.2
70°	148.7	130.8	109.6	97.3	100.6	118.5	136.4	114.0	79.4	64.8	63.7
72.5°	121.9	107.3	92.8	82.7	76.0	72.7	70.4	57.0	36.9	27.9	26.8
75°	90.6	77.1	66.0	53.7	45.8	42.5	38.0	27.9	15.7	8.9	7.8
77.5°	20.1	19.0	17.9	13.4	12.3	10.1	7.8	5.6	2.2	0.0	0.0
80°	1.1	1.1	1.1	1.1	1.1	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)