

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: P634913

Luminaire Tested: GWS-SA3C-760-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634913
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-SA3C-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: 8359.7 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

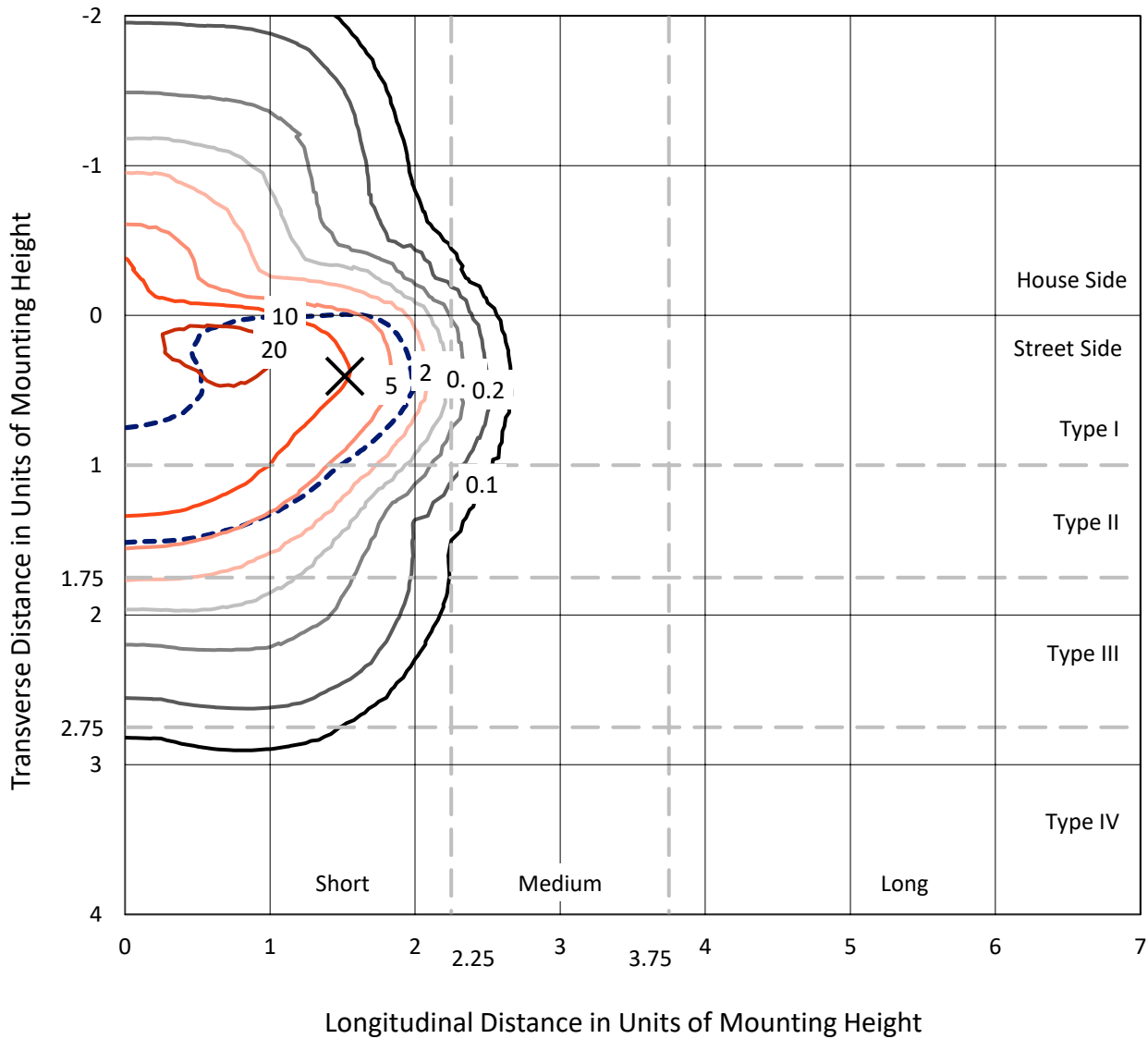
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

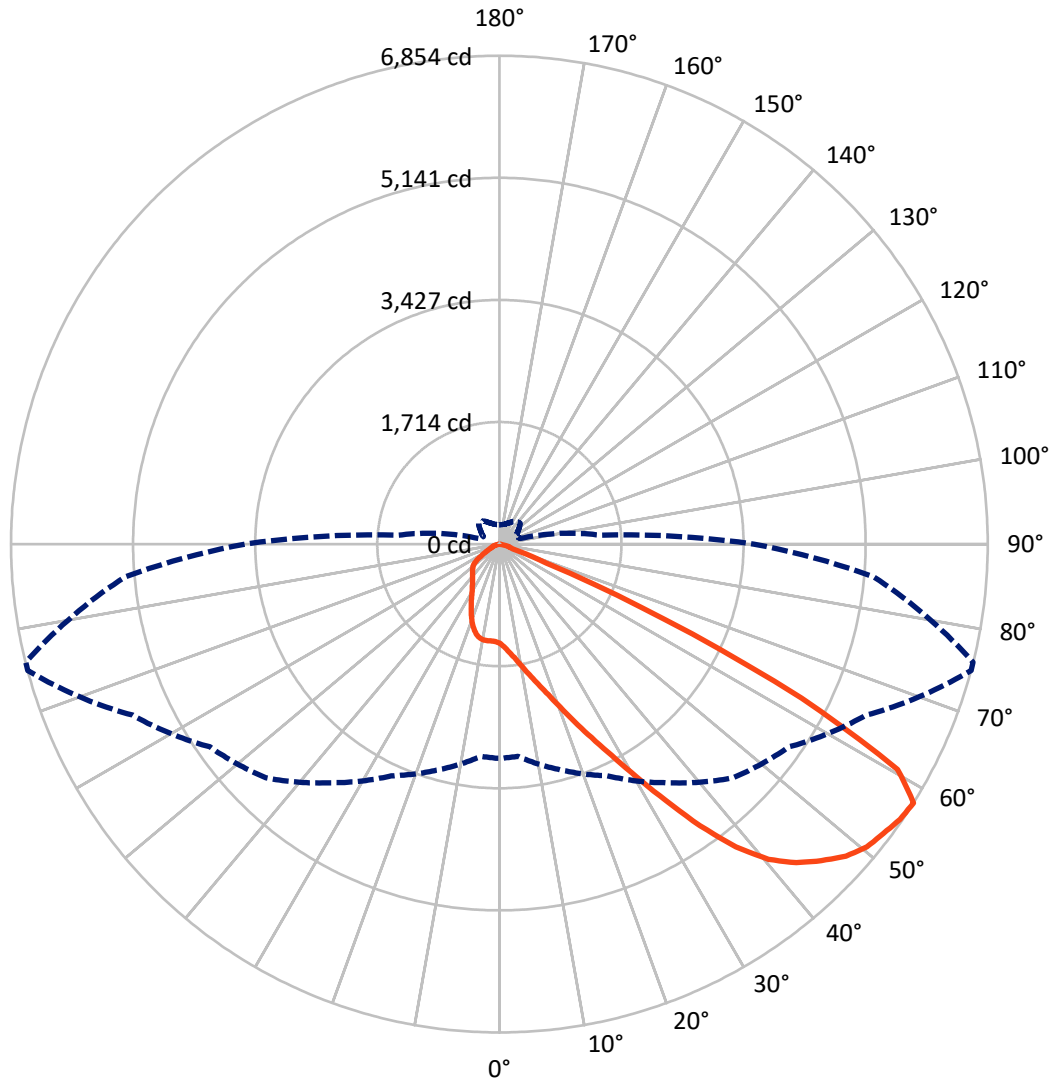
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 26.1 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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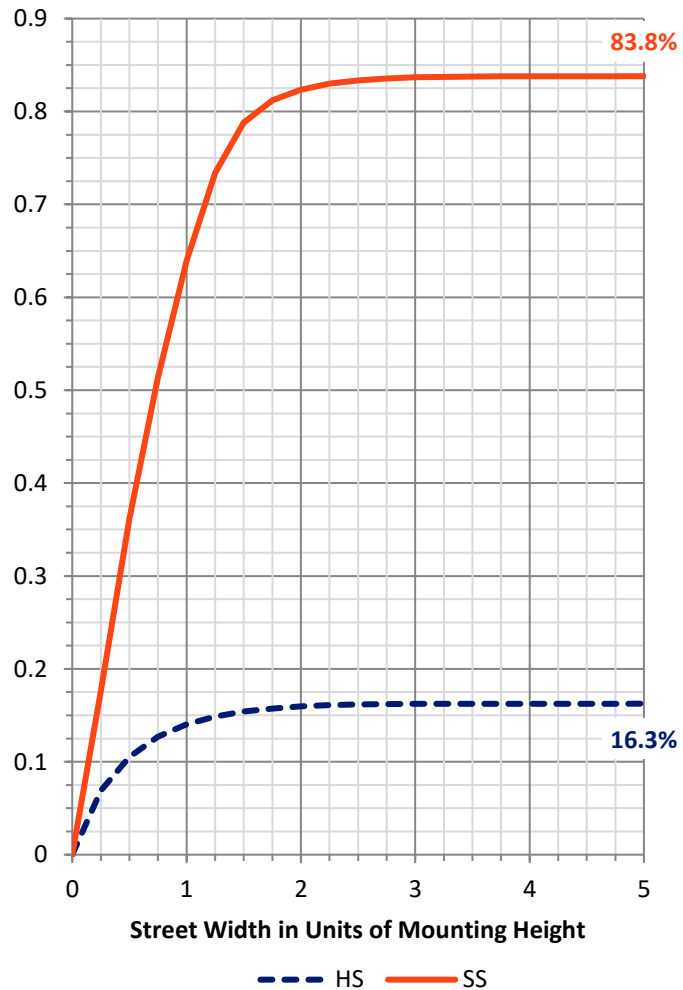
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1365.5	0.0	1365.5
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	6994.2	0.0	6994.2
	% Fixture	83.7	0.0	83.7
Total	Lumens	8359.7	0.0	8359.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.9	1.7
10°-20°	460.9	5.5
20°-30°	844.0	10.1
30°-40°	1400.3	16.8
40°-50°	2138.5	25.6
50°-60°	2403.0	28.7
60°-70°	886.3	10.6
70°-80°	84.7	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°	8359.7	100.0
0°-180°	8359.7	100.0

Coefficient of Utilization



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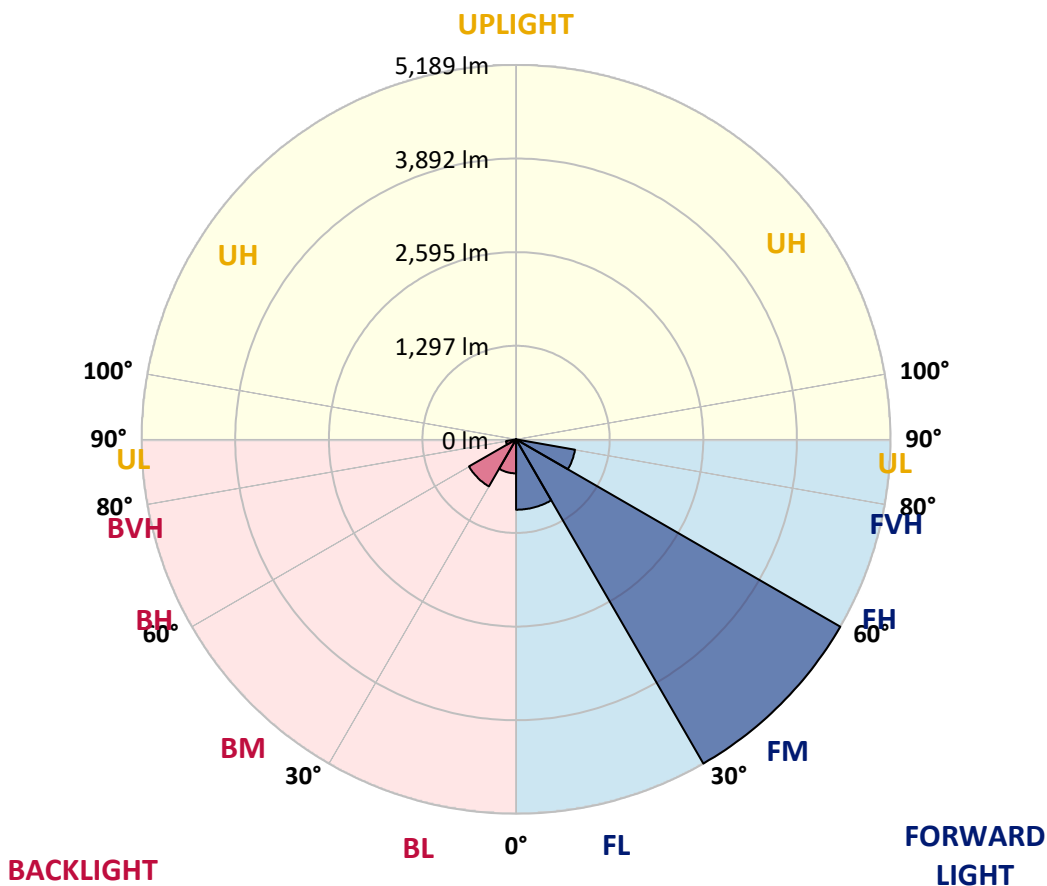
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	975.6	11.7			
FM (30°-60°)	5189.3	62.1			
FH (60°-80°)	829.3	9.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	471.2	5.6	B1/500		
BM (30°-60°)	752.5	9.0	B1/1000		
BH (60°-80°)	141.8	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: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3
2.5°	1557.7	1573.9	1568.8	1558.7	1552.7	1531.5	1518.4	1480.0	1452.8	1449.8	1424.5
5°	1754.5	1751.4	1747.4	1735.3	1725.2	1691.9	1652.6	1588.0	1530.5	1523.4	1469.9
7.5°	1862.4	1864.4	1866.4	1864.4	1857.4	1832.1	1788.8	1713.1	1625.3	1619.3	1534.5
10°	1906.8	1910.8	1920.9	1940.1	1957.2	1955.2	1930.0	1852.3	1744.4	1734.3	1620.3
12.5°	1928.0	1933.0	1949.2	1985.5	2031.9	2068.2	2072.3	2002.6	1883.6	1867.4	1722.2
15°	1957.2	1962.3	1982.5	2029.9	2097.5	2169.1	2215.5	2171.1	2038.0	2020.8	1834.2
17.5°	1970.4	1977.4	2006.7	2069.2	2157.0	2267.0	2371.9	2367.9	2220.6	2207.4	1964.3
20°	1995.6	2000.6	2026.9	2094.4	2200.4	2358.8	2535.3	2598.9	2443.5	2424.4	2121.7
22.5°	2075.3	2077.3	2089.4	2131.8	2230.6	2425.4	2701.8	2868.3	2706.8	2681.6	2298.2
25°	2205.4	2204.4	2209.5	2216.5	2289.2	2493.0	2862.2	3171.9	3008.5	2981.3	2498.0
27.5°	2370.9	2370.9	2383.0	2362.8	2392.1	2576.7	3020.6	3521.0	3359.6	3321.3	2716.9
30°	2565.6	2564.6	2592.8	2560.6	2569.6	2708.9	3191.1	3901.4	3783.3	3735.9	2969.2
32.5°	2829.9	2823.9	2856.2	2811.8	2781.5	2908.6	3398.9	4298.9	4290.8	4218.2	3285.9
35°	3163.9	3153.8	3163.9	3120.5	3066.0	3188.1	3671.3	4695.4	4853.8	4777.1	3663.3
37.5°	3495.8	3528.1	3539.2	3464.5	3420.1	3542.2	3999.2	5050.5	5391.5	5311.8	4055.7
40°	3887.2	3877.2	3915.5	3831.8	3803.5	3938.7	4320.1	5314.8	5817.2	5741.6	4404.8
42.5°	4175.8	4193.9	4241.4	4195.0	4172.8	4299.9	4589.4	5469.2	6112.8	6038.2	4654.0
45°	4521.8	4534.9	4553.1	4514.8	4491.6	4616.7	4784.1	5536.8	6337.8	6257.1	4821.5
47.5°	4896.1	4906.2	4906.2	4827.5	4752.9	4804.3	4914.3	5575.1	6544.6	6467.0	4945.6
50°	5164.5	5169.5	5213.9	5158.4	4996.0	4916.3	4973.8	5612.4	6681.9	6609.2	4985.9
52.5°	4926.4	4920.3	5066.6	5181.6	5225.0	5066.6	5076.7	5666.9	6748.4	6685.9	5018.2
55°	4148.5	4138.5	4344.3	4623.7	5006.1	5208.9	5200.8	5699.2	6822.1	6783.8	5135.2
57.5°	3007.5	2990.3	3276.9	3587.6	4089.0	4638.9	4961.7	5681.0	6854.4	6851.4	5271.4
60°	1807.9	1793.8	2064.2	2391.1	2778.5	3331.3	3867.1	5088.8	6422.6	6428.6	4917.3
62.5°	1112.8	1125.9	1370.1	1536.5	1680.8	1847.3	2157.0	3423.2	4757.9	4797.3	3455.4
65°	748.6	758.7	984.7	1194.5	1194.5	976.6	838.4	1636.4	2538.4	2471.8	1634.4
67.5°	502.4	513.5	692.1	937.3	972.6	681.0	340.0	488.3	707.2	686.0	404.6
70°	295.6	307.7	461.1	642.7	708.2	474.2	227.0	206.8	200.8	194.7	157.4
72.5°	132.2	137.2	235.1	326.9	298.6	199.8	160.4	165.5	156.4	153.4	128.1
75°	40.4	42.4	60.5	70.6	71.6	71.6	96.9	130.1	123.1	124.1	98.9
77.5°	10.1	10.1	16.1	15.1	8.1	7.1	18.2	29.3	30.3	27.2	20.2
80°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3	1394.3
2.5°	1413.5	1387.2	1370.1	1345.9	1328.7	1310.5	1294.4	1281.3	1274.2	1272.2	1273.2
5°	1445.7	1404.4	1364.0	1317.6	1285.3	1255.1	1230.8	1211.7	1202.6	1199.6	1199.6
7.5°	1495.2	1437.7	1366.0	1293.4	1238.9	1191.5	1163.2	1142.1	1134.0	1132.0	1125.9
10°	1559.7	1481.0	1363.0	1250.0	1173.3	1123.9	1103.7	1097.7	1100.7	1101.7	1100.7
12.5°	1637.4	1526.4	1343.8	1186.5	1103.7	1073.5	1075.5	1091.6	1109.8	1118.9	1120.9
15°	1720.2	1567.8	1300.5	1110.8	1044.2	1043.2	1072.4	1109.8	1145.1	1160.2	1164.3
17.5°	1813.0	1601.1	1233.9	1030.1	992.7	1022.0	1074.5	1132.0	1179.4	1204.6	1209.7
20°	1914.9	1628.3	1149.1	954.4	947.3	999.8	1072.4	1143.1	1201.6	1229.8	1234.9
22.5°	2020.8	1647.5	1051.3	884.8	906.0	974.6	1053.3	1121.9	1177.4	1209.7	1213.7
25°	2141.9	1649.5	951.4	826.3	867.6	940.3	1006.9	1063.4	1109.8	1138.0	1141.1
27.5°	2247.8	1625.3	862.6	778.9	832.3	897.9	942.3	973.6	1005.9	1022.0	1023.0
30°	2369.9	1582.9	778.9	740.5	796.0	845.4	867.6	874.7	877.7	880.8	876.7
32.5°	2515.2	1531.5	716.3	703.2	754.6	787.9	794.0	779.9	762.7	738.5	732.5
35°	2693.7	1485.1	664.9	666.9	709.2	729.4	724.4	694.1	660.8	631.6	626.5
37.5°	2887.4	1445.7	625.5	631.6	659.8	673.9	658.8	625.5	610.4	585.2	586.2
40°	3058.9	1413.5	590.2	596.3	609.4	622.5	598.3	576.1	604.3	602.3	604.3
42.5°	3181.0	1386.2	559.9	556.9	566.0	575.1	556.9	545.8	593.2	580.1	587.2
45°	3252.7	1361.0	534.7	516.6	530.7	546.8	534.7	520.6	536.7	476.2	471.2
47.5°	3301.1	1346.9	512.5	477.2	502.4	530.7	505.5	471.2	447.9	395.5	391.4
50°	3306.1	1339.8	486.3	436.8	469.1	499.4	470.1	422.7	389.4	366.2	363.2
52.5°	3332.4	1353.9	450.0	385.4	420.7	469.1	449.0	401.5	356.1	336.0	331.9
55°	3449.4	1413.5	389.4	314.8	366.2	445.9	431.8	358.2	314.8	302.7	299.6
57.5°	3570.5	1425.6	306.7	249.2	318.8	412.6	394.5	329.9	287.5	273.4	270.4
60°	3264.8	1174.3	230.0	205.8	281.5	381.4	365.2	312.8	263.3	246.2	243.1
62.5°	2144.9	634.6	182.6	174.5	237.1	322.8	332.9	282.5	235.1	216.9	215.9
65°	988.7	294.6	140.2	138.2	185.6	257.3	286.5	247.2	198.8	182.6	182.6
67.5°	269.4	146.3	110.0	101.9	126.1	172.5	208.8	184.6	141.2	122.1	121.1
70°	134.2	118.0	98.9	87.8	90.8	106.9	123.1	102.9	71.6	58.5	57.5
72.5°	110.0	96.9	83.7	74.7	68.6	65.6	63.6	51.5	33.3	25.2	24.2
75°	81.7	69.6	59.5	48.4	41.4	38.3	34.3	25.2	14.1	8.1	7.1
77.5°	18.2	17.2	16.1	12.1	11.1	9.1	7.1	5.0	2.0	0.0	0.0
80°	1.0	1.0	1.0	1.0	1.0	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)