

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: P631602

Luminaire Tested: GWS-SA2B-722-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631602
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-722-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4005.3 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

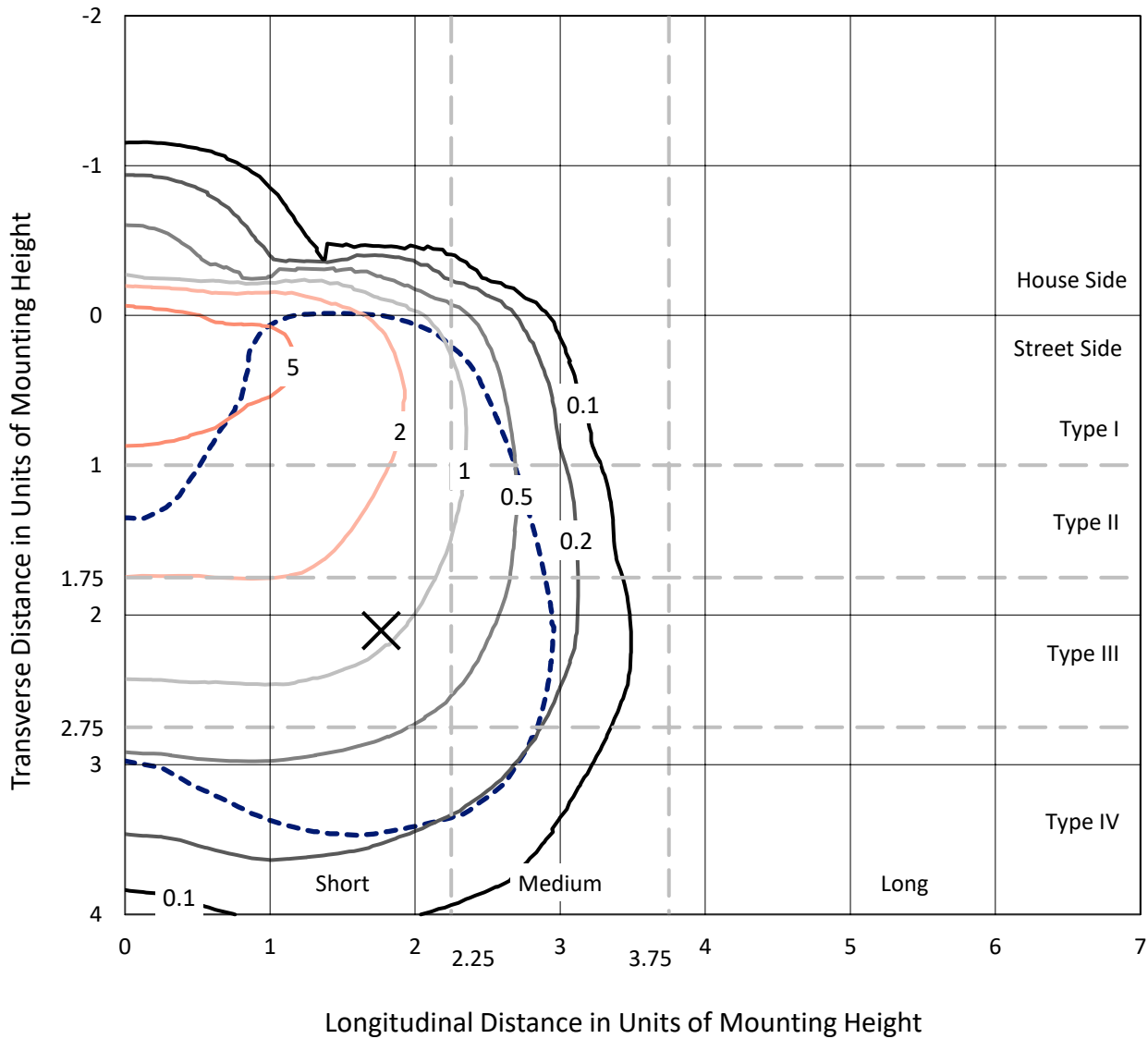
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

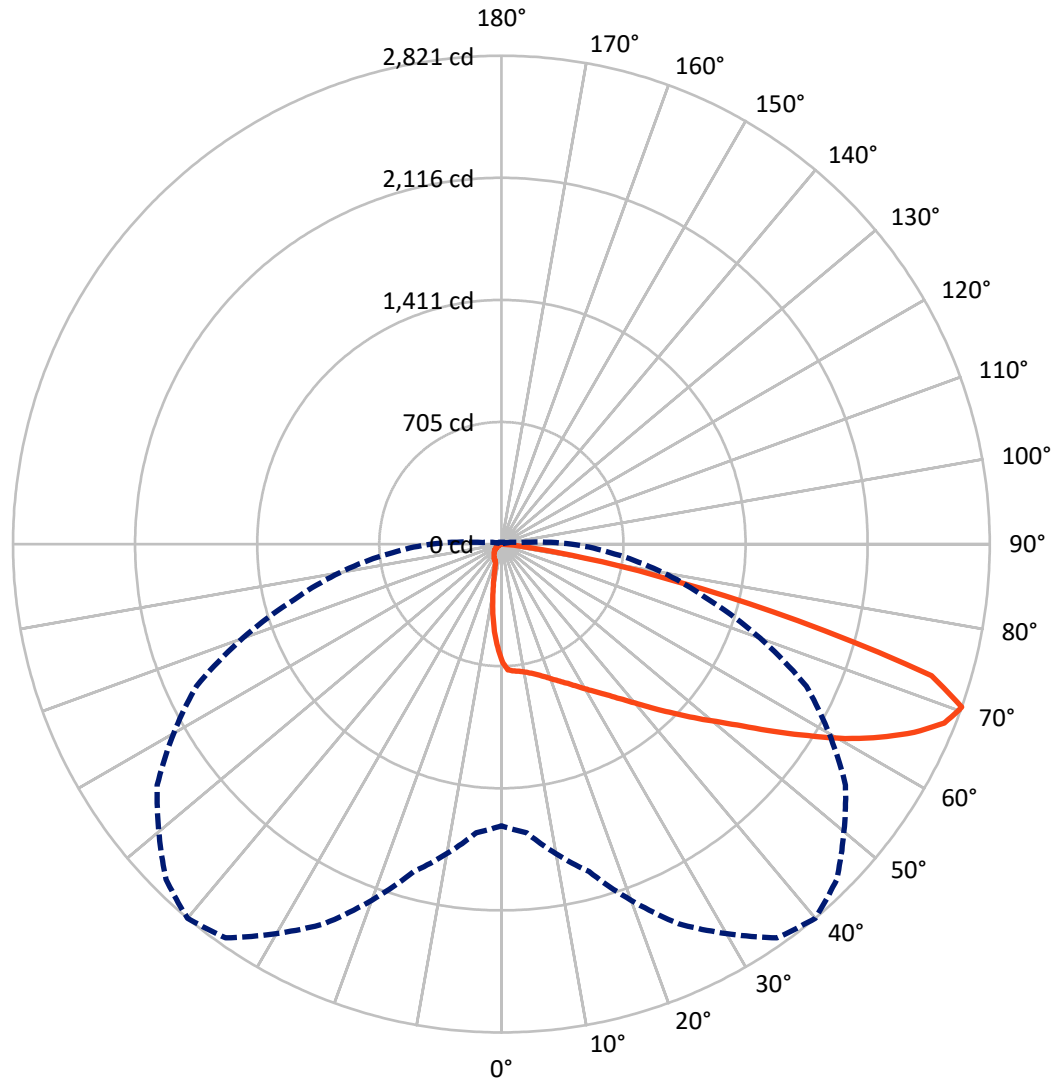
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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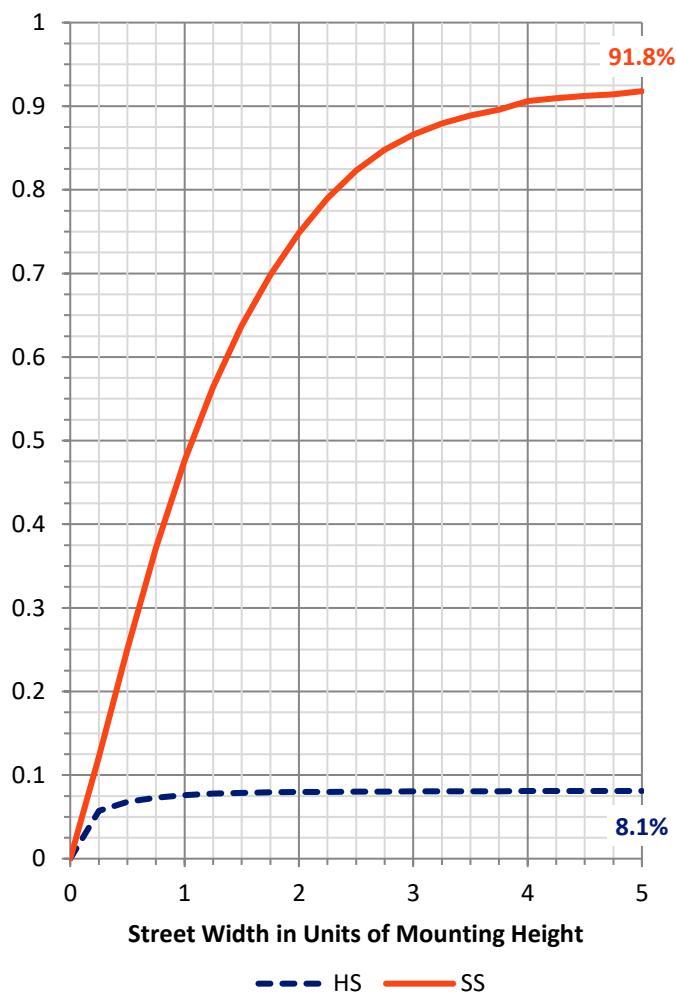
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	327.5	0.0	327.5
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	3677.8	0.0	3677.8
	% Fixture	91.8	0.0	91.8
Total	Lumens	4005.3	0.0	4005.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.4	1.4
10°-20°	145.7	3.6
20°-30°	243.8	6.1
30°-40°	383.0	9.6
40°-50°	605.8	15.1
50°-60°	883.7	22.1
60°-70°	1095.5	27.4
70°-80°	554.2	13.8
80°-90°	36.2	0.9
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°	4005.3	100.0
0°-180°	4005.3	100.0

Coefficient of Utilization

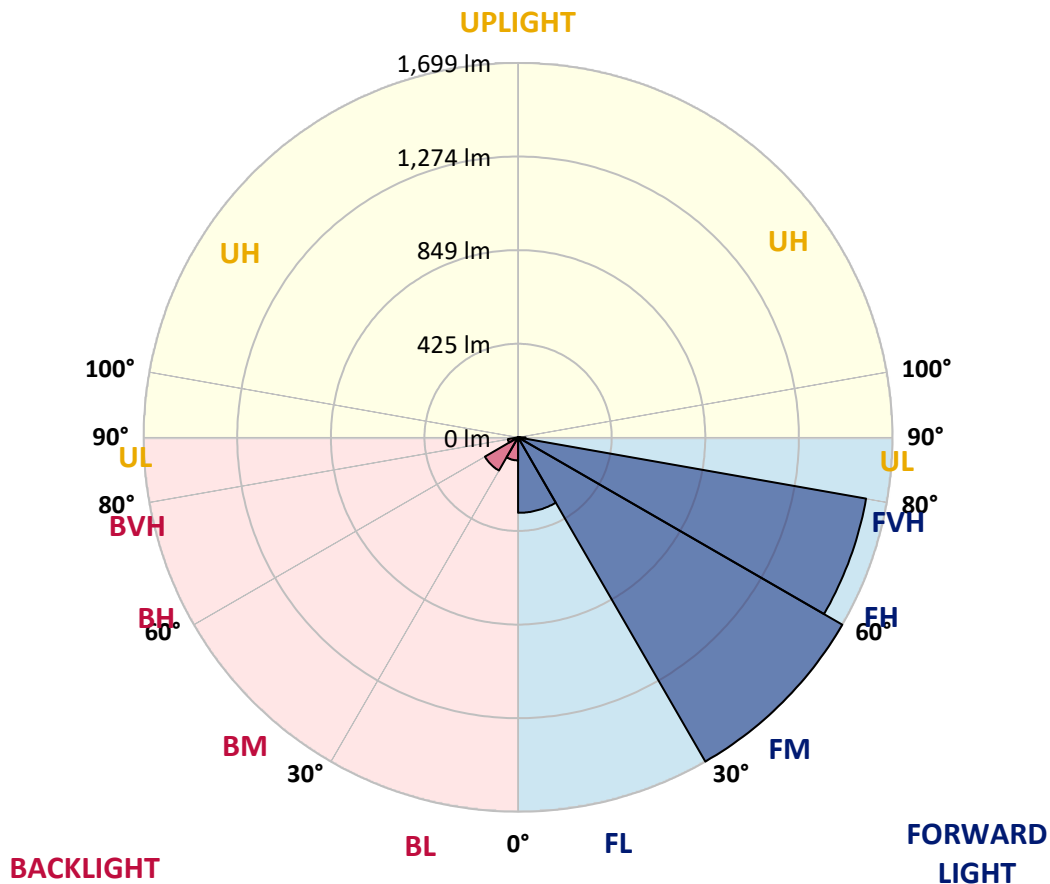


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	342.4	8.5			
FM (30°-60°)	1698.6	42.4			
FH (60°-80°)	1603.0	40.0			G1/1800
FVH (80°-90°)	33.8	0.8			G1/100
BL (0°-30°)	104.6	2.6	B0/110		
BM (30°-60°)	173.8	4.3	B0/220		
BH (60°-80°)	46.7	1.2	B0/110		G0/110
BVH (80°-90°)	2.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	679.7	679.7	679.7	679.7	679.7	679.7	679.7	679.7	679.7	679.7	679.7
2.5°	730.7	733.2	732.9	734.0	731.4	727.4	726.7	721.2	711.4	699.0	685.1
5°	745.6	748.5	746.3	745.2	740.5	736.1	735.0	729.2	717.9	701.2	677.1
7.5°	758.4	759.1	757.6	755.1	748.2	742.3	738.3	730.3	716.8	700.1	672.4
10°	760.6	760.2	760.9	761.3	756.9	751.8	748.5	737.6	720.5	702.6	672.7
12.5°	758.0	758.0	762.7	768.2	768.2	765.7	762.4	752.5	732.5	711.4	680.0
15°	761.3	762.4	771.5	781.7	785.0	782.4	781.0	770.8	750.0	726.7	693.1
17.5°	772.9	774.0	788.6	803.9	807.9	805.0	802.1	791.9	769.7	744.2	708.1
20°	790.1	793.0	811.6	831.3	834.9	831.3	825.4	811.2	789.0	763.1	722.3
22.5°	821.4	823.2	843.3	864.1	865.9	860.0	851.3	831.6	808.3	783.1	738.3
25°	863.0	865.5	885.6	905.6	900.9	892.1	880.1	857.9	831.3	806.8	758.7
27.5°	912.5	915.4	935.1	952.6	940.2	930.0	916.5	888.8	861.9	839.6	785.0
30°	966.1	968.6	986.1	1001.8	985.4	973.4	957.3	928.9	901.6	884.8	822.1
32.5°	1017.8	1017.5	1034.2	1047.0	1030.2	1020.8	1006.2	977.4	955.5	948.2	877.5
35°	1065.9	1065.9	1079.8	1092.5	1080.5	1075.4	1061.9	1039.0	1026.6	1035.3	951.5
37.5°	1114.4	1111.9	1125.0	1139.2	1138.1	1138.5	1130.8	1119.9	1120.6	1151.6	1053.2
40°	1154.5	1153.4	1168.7	1187.3	1201.9	1213.5	1208.8	1212.8	1235.8	1293.7	1183.3
42.5°	1186.6	1189.1	1208.8	1238.3	1275.1	1298.8	1302.1	1318.5	1377.5	1467.2	1330.1
45°	1223.4	1223.7	1251.1	1296.3	1354.9	1392.5	1405.6	1447.9	1531.7	1647.2	1491.2
47.5°	1268.6	1264.2	1294.8	1358.2	1443.1	1498.5	1521.8	1574.7	1704.4	1822.9	1622.4
50°	1318.5	1310.5	1345.1	1431.5	1541.9	1611.1	1658.5	1735.8	1875.7	1967.2	1720.1
52.5°	1376.4	1368.8	1408.1	1515.6	1660.3	1744.5	1805.4	1883.3	2022.6	2077.2	1778.4
55°	1450.0	1442.4	1483.9	1616.6	1800.3	1909.6	1973.4	2039.0	2159.2	2158.5	1820.7
57.5°	1531.7	1521.1	1578.7	1744.1	1974.8	2088.5	2153.4	2185.5	2263.1	2221.5	1849.1
60°	1625.3	1615.9	1695.7	1896.1	2176.3	2281.7	2322.5	2309.4	2348.4	2258.7	1839.2
62.5°	1709.9	1705.5	1804.6	2057.2	2368.4	2457.3	2468.6	2411.4	2411.0	2259.4	1772.9
65°	1797.7	1806.1	1953.3	2242.7	2561.5	2621.3	2602.0	2512.7	2436.2	2170.1	1576.9
67.5°	1830.5	1854.9	2051.3	2410.3	2713.9	2760.5	2726.6	2563.4	2331.6	1869.9	1200.8
70°	1627.9	1673.8	1958.8	2419.8	2776.9	2821.4	2740.1	2427.1	1943.8	1238.7	657.8
72.5°	1237.9	1291.5	1632.3	1981.4	2497.4	2598.7	2459.9	1977.4	1252.9	542.6	220.8
75°	692.8	750.7	1215.7	1492.0	1676.7	1769.3	1718.3	1268.6	555.0	141.8	66.0
77.5°	234.3	253.6	565.6	923.1	1106.8	1023.7	866.6	630.1	204.1	53.9	35.0
80°	138.8	146.1	210.6	459.5	582.4	482.9	381.2	232.9	103.9	28.8	24.4
82.5°	41.5	49.2	116.3	170.6	228.1	142.1	120.3	133.0	53.9	15.7	20.4
85°	0.0	0.0	24.8	52.8	59.8	23.3	23.3	75.4	9.8	6.6	14.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.8	1.1	1.5	3.3
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°	679.7	679.7	679.7	679.7	679.7	679.7	679.7	679.7	679.7	679.7	679.7
2.5°	675.3	662.5	647.6	633.4	619.9	602.4	594.0	583.8	575.1	570.3	572.9
5°	661.8	641.8	611.1	580.2	548.8	519.3	492.7	474.8	458.8	450.4	452.3
7.5°	650.1	623.2	575.4	524.8	474.5	423.8	382.6	350.6	325.8	315.6	313.8
10°	645.0	611.1	543.7	470.8	393.6	325.4	267.1	231.8	206.6	194.2	196.4
12.5°	647.6	604.9	516.8	418.0	317.8	238.3	182.6	149.4	131.6	124.3	122.4
15°	654.9	603.5	492.7	364.1	245.3	166.5	126.1	112.6	109.0	108.2	108.2
17.5°	663.3	603.9	467.9	309.4	186.2	123.5	107.9	105.3	104.2	103.5	103.9
20°	671.6	603.9	439.5	254.0	139.9	106.8	102.8	100.9	99.9	99.5	99.5
22.5°	681.8	603.9	407.8	202.6	112.2	101.3	98.0	96.9	95.8	95.5	95.1
25°	694.2	604.2	372.8	158.5	102.0	96.6	94.0	92.9	91.8	91.1	91.1
27.5°	712.1	607.1	334.2	123.5	96.2	92.2	90.0	88.9	87.8	86.7	86.7
30°	738.0	614.4	290.8	102.0	90.7	87.5	85.3	84.5	83.5	82.4	82.0
32.5°	776.6	627.2	246.0	91.5	85.6	82.4	79.8	79.1	78.0	76.9	76.5
35°	830.5	650.5	202.3	84.9	79.1	75.8	74.3	74.0	72.5	71.4	71.4
37.5°	909.6	688.4	160.3	78.4	73.6	71.1	69.2	68.5	67.1	66.0	65.6
40°	1006.2	737.6	124.6	73.2	68.5	66.0	64.1	63.0	61.2	59.8	59.0
42.5°	1129.4	797.7	98.4	67.8	63.8	61.2	59.8	57.6	55.0	52.8	52.5
45°	1257.6	859.7	81.3	62.7	59.4	57.2	55.4	52.5	48.8	46.3	45.6
47.5°	1356.0	898.3	71.1	57.2	54.7	52.8	50.7	47.0	42.6	39.7	39.0
50°	1426.4	904.1	63.4	52.1	50.7	48.8	45.6	41.2	36.4	33.5	32.8
52.5°	1461.0	877.9	57.2	47.4	46.3	44.5	40.5	35.7	30.6	27.7	27.0
55°	1476.6	828.3	51.4	43.4	41.9	39.7	35.3	30.2	25.1	22.6	21.9
57.5°	1470.5	755.1	46.3	39.4	37.5	35.0	30.2	24.8	20.8	18.2	17.9
60°	1424.5	652.3	41.2	35.3	33.2	30.2	25.5	20.4	16.8	14.9	14.6
62.5°	1325.4	524.8	36.1	30.6	29.2	26.2	21.9	16.8	13.8	12.8	12.4
65°	1122.4	371.0	31.0	25.9	25.1	22.2	18.2	13.8	12.0	11.3	10.9
67.5°	806.8	225.6	26.2	22.2	21.5	19.0	15.3	12.0	10.9	10.6	10.6
70°	405.6	106.8	20.8	18.2	18.2	15.7	13.1	10.9	10.6	10.2	10.2
72.5°	137.8	45.6	15.7	14.2	14.9	13.5	11.3	10.2	10.2	10.2	10.2
75°	47.0	24.1	10.9	10.2	10.9	10.9	9.8	9.8	10.2	10.2	10.2
77.5°	30.6	16.0	7.7	6.9	8.4	8.4	8.4	9.1	9.8	9.8	9.8
80°	25.1	8.7	5.1	4.7	6.2	6.2	6.9	8.4	9.1	9.1	9.1
82.5°	21.5	5.5	2.9	3.3	4.4	4.7	5.8	6.9	8.0	8.4	8.4
85°	14.6	2.9	2.2	2.6	2.9	3.6	4.7	5.8	6.6	7.3	7.3
87.5°	4.0	1.1	1.5	1.8	1.8	2.6	3.6	4.4	5.1	5.5	5.5
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)