

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: P630221

Luminaire Tested: GWS-SA1D-730-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630221
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-730-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4377.2 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

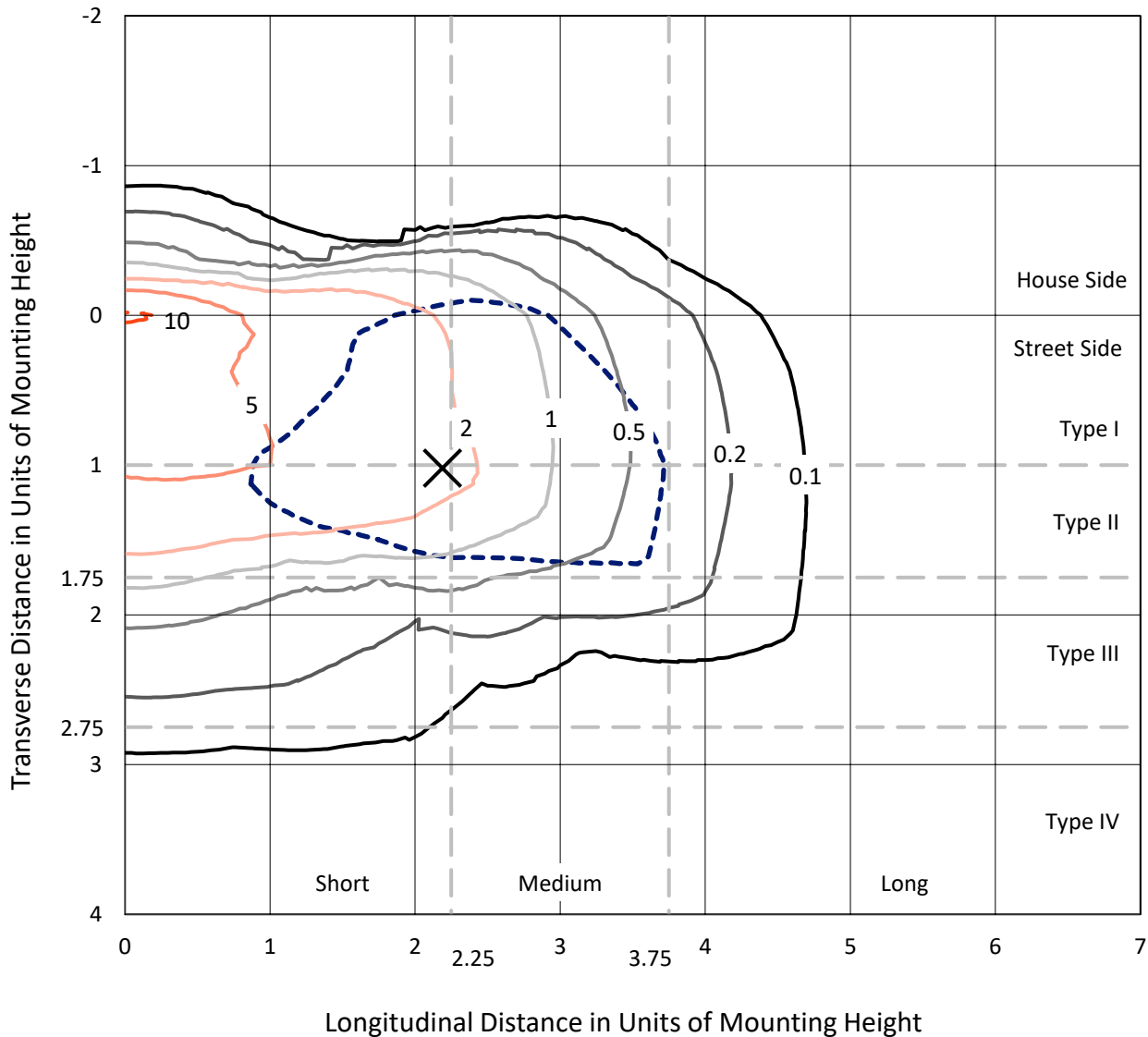
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

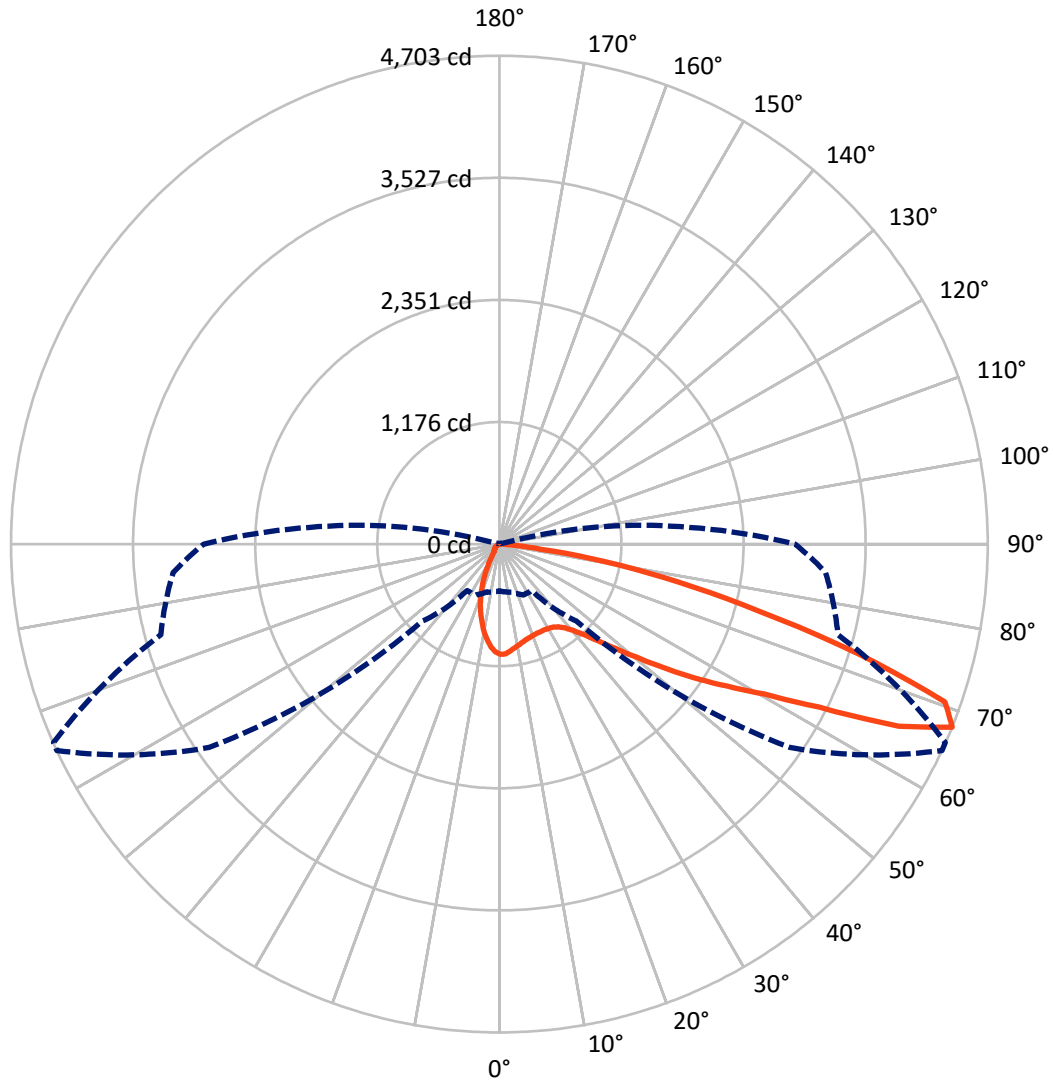
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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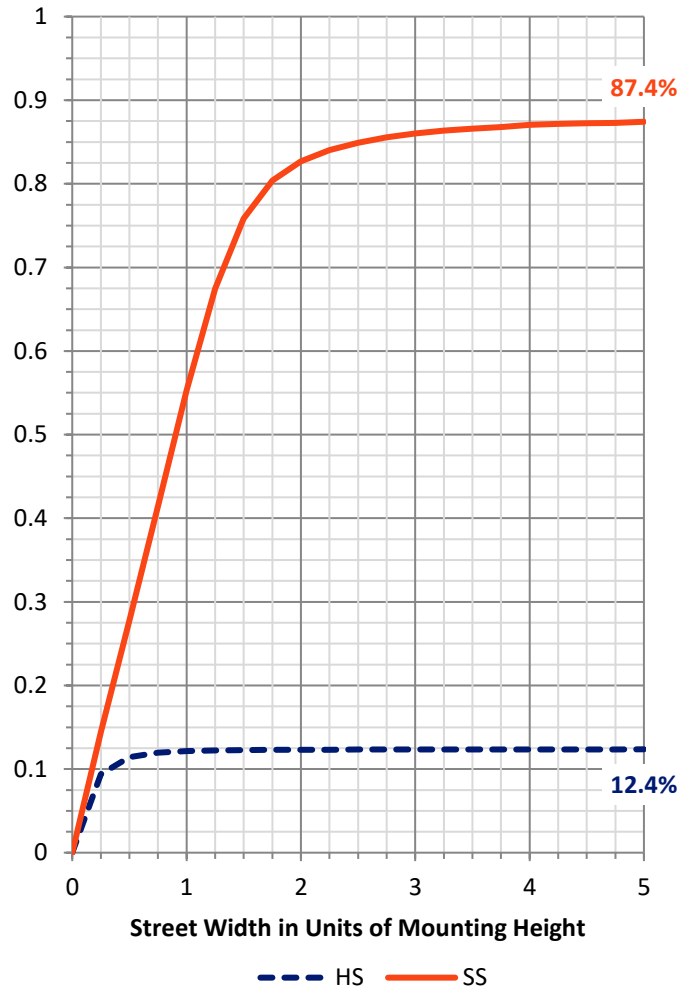
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	546.6	0.0	546.6
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	3830.6	0.0	3830.6
	% Fixture	87.5	0.0	87.5
Total	Lumens	4377.2	0.0	4377.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.2	2.0
10°-20°	198.2	4.5
20°-30°	283.2	6.5
30°-40°	412.1	9.4
40°-50°	645.3	14.7
50°-60°	1006.8	23.0
60°-70°	1105.9	25.3
70°-80°	588.5	13.4
80°-90°	49.0	1.1
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°	4377.2	100.0
0°-180°	4377.2	100.0

Coefficient of Utilization



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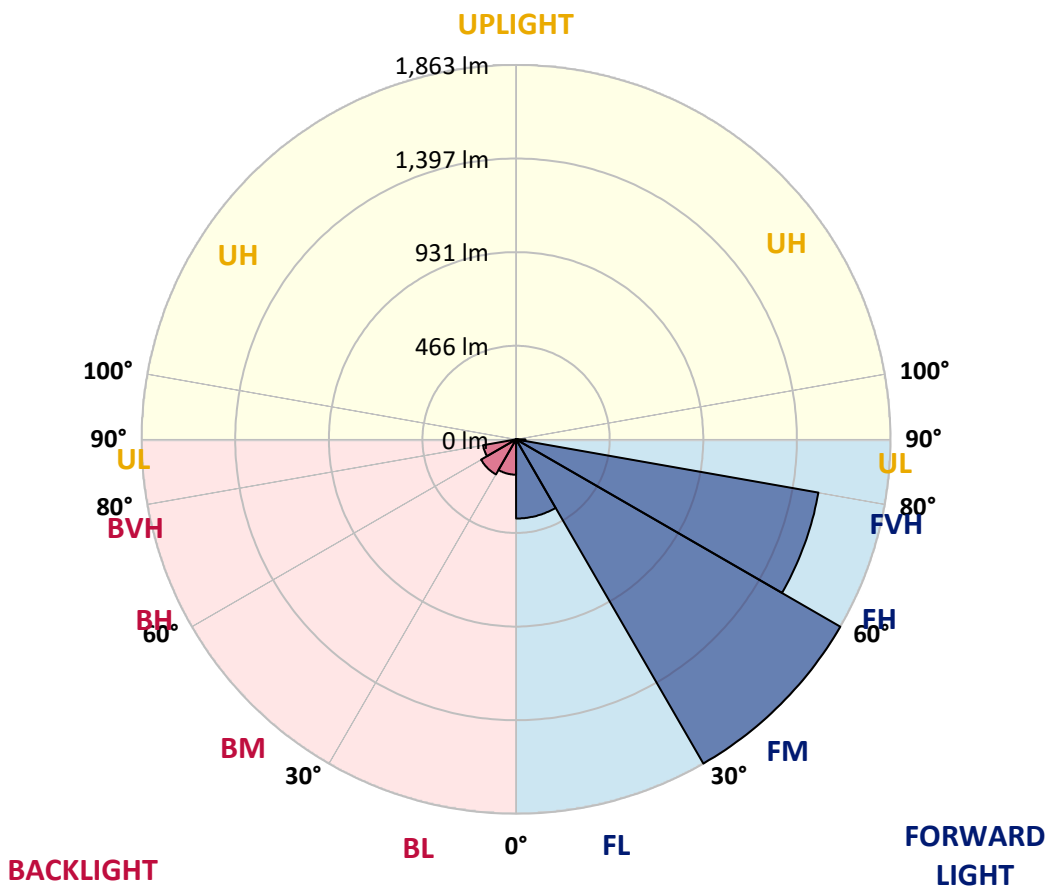
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	393.9	9.0			
FM (30°-60°)	1862.8	42.6			
FH (60°-80°)	1527.5	34.9			G1/1800
FVH (80°-90°)	46.4	1.1			G1/100
BL (0°-30°)	175.7	4.0	B1/500		
BM (30°-60°)	201.3	4.6	B0/220		
BH (60°-80°)	166.9	3.8	B1/500		G1/500
BVH (80°-90°)	2.6	0.1			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°	66°	75°	85°
0°	1061.6	1061.6	1061.6	1061.6	1061.6	1061.6	1061.6	1061.6	1061.6	1061.6	1061.6
2.5°	1024.8	1028.0	1023.6	1034.3	1036.3	1048.2	1054.9	1059.6	1059.2	1065.2	1065.2
5°	964.6	967.8	965.4	976.9	986.0	1004.6	1020.0	1037.9	1038.7	1056.9	1063.6
7.5°	913.6	914.0	914.0	928.2	940.1	963.0	986.0	1013.3	1016.5	1044.6	1062.4
10°	871.6	872.8	873.2	889.4	902.5	930.2	959.5	992.3	995.9	1033.9	1061.6
12.5°	842.7	843.1	844.7	861.7	876.0	904.9	934.5	972.2	976.9	1021.6	1058.0
15°	828.9	828.1	828.9	843.1	857.4	885.1	915.5	955.9	961.1	1011.3	1058.4
17.5°	828.1	826.9	826.1	836.8	845.9	870.4	901.3	945.2	950.8	1006.6	1062.8
20°	839.5	838.8	834.8	839.5	841.5	861.7	892.2	936.9	942.5	1005.8	1072.3
22.5°	869.6	867.7	861.7	857.4	846.7	858.5	885.9	931.0	937.3	1007.8	1084.6
25°	914.4	913.6	906.0	895.4	868.0	863.3	886.3	931.0	936.9	1010.2	1097.6
27.5°	981.7	976.9	967.4	948.8	909.6	881.9	894.2	933.4	939.3	1013.3	1108.3
30°	1050.1	1049.7	1046.6	1027.6	969.4	917.5	910.8	939.7	945.2	1016.1	1118.2
32.5°	1121.0	1122.2	1130.1	1115.4	1051.7	970.6	940.9	952.8	956.7	1021.6	1126.9
35°	1188.3	1190.6	1211.6	1216.8	1151.9	1050.9	990.0	978.9	979.3	1033.9	1138.4
37.5°	1252.8	1260.7	1294.4	1319.3	1276.5	1148.3	1060.8	1023.2	1020.0	1058.4	1155.8
40°	1326.0	1341.1	1383.4	1425.8	1412.3	1276.9	1157.4	1091.3	1084.6	1103.6	1187.1
42.5°	1407.2	1423.4	1479.6	1539.0	1545.3	1432.5	1278.1	1190.6	1179.2	1179.6	1245.7
45°	1494.2	1516.0	1581.3	1666.8	1705.2	1605.9	1427.0	1324.8	1313.4	1296.3	1339.9
47.5°	1608.6	1627.6	1690.6	1789.1	1862.8	1791.9	1622.1	1497.4	1476.4	1451.5	1486.3
50°	1707.2	1723.8	1778.1	1901.6	2054.7	2031.8	1843.4	1713.1	1693.0	1650.6	1679.5
52.5°	1729.0	1742.0	1791.9	1930.8	2201.6	2334.6	2114.5	1974.0	1959.7	1881.4	1892.5
55°	1631.2	1651.0	1695.7	1850.1	2240.0	2630.7	2466.4	2268.1	2238.4	2113.3	2133.1
57.5°	1384.2	1419.4	1461.4	1662.1	2135.9	2788.2	2958.0	2579.6	2552.7	2336.6	2337.0
60°	1014.5	1043.0	1071.1	1254.8	1888.9	2777.5	3404.1	2929.5	2880.4	2519.0	2512.3
62.5°	737.8	752.5	752.1	817.4	1297.1	2594.6	3638.4	3456.8	3342.4	2714.2	2675.8
65°	580.3	579.9	596.9	618.3	724.4	2002.9	3667.3	4226.6	4103.1	2975.8	2895.9
67.5°	451.6	460.3	477.4	540.3	544.3	1048.2	3413.2	4702.8	4700.4	3375.2	3153.6
70°	348.3	360.2	384.3	476.2	502.7	586.6	2553.9	4552.0	4590.4	3553.7	2971.1
72.5°	223.6	222.9	258.5	384.7	482.9	488.8	1412.3	3615.9	3659.4	3218.9	2402.3
75°	125.1	125.9	146.1	235.5	450.1	460.0	699.4	2578.4	2612.9	2509.5	1845.7
77.5°	49.1	50.7	68.5	123.9	296.9	410.9	415.6	1758.3	1763.4	1555.2	1132.1
80°	19.8	21.0	34.8	76.8	180.9	276.7	296.9	1035.9	1014.9	602.1	329.3
82.5°	5.9	6.3	13.9	43.5	94.6	196.7	200.3	397.4	375.2	129.4	83.9
85°	0.4	0.4	3.2	13.5	33.6	49.5	133.4	129.4	114.8	32.5	37.2
87.5°	0.0	0.0	0.4	0.4	0.8	1.6	14.2	23.7	24.1	5.9	16.6
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°	1061.6	1061.6	1061.6	1061.6	1061.6	1061.6	1061.6	1061.6	1061.6	1061.6	1061.6
2.5°	1065.2	1050.9	1049.7	1038.7	1027.6	1013.7	997.5	985.6	977.3	962.7	959.9
5°	1063.6	1044.6	1026.8	995.1	959.9	921.9	888.6	857.8	838.4	825.3	819.8
7.5°	1060.4	1036.3	995.1	935.3	876.4	809.9	758.0	710.5	678.1	659.1	650.7
10°	1058.0	1025.6	958.7	868.0	776.6	684.8	606.0	535.6	496.4	465.5	460.3
12.5°	1053.3	1010.2	912.0	789.3	671.3	549.4	448.9	362.6	302.8	275.9	266.4
15°	1048.5	993.9	865.3	706.2	556.5	406.1	284.2	201.1	159.9	147.2	146.5
17.5°	1047.8	979.3	814.6	627.4	436.2	266.0	161.9	130.2	121.5	118.4	118.4
20°	1050.1	967.0	764.7	536.7	317.8	161.9	120.7	112.8	107.7	104.9	104.9
22.5°	1052.5	954.3	716.8	445.3	211.0	118.4	106.5	99.7	93.8	90.6	89.1
25°	1054.1	940.5	663.8	353.5	137.7	102.9	93.4	84.7	77.6	73.6	73.6
27.5°	1053.7	923.9	610.4	263.6	106.9	91.4	80.0	70.9	63.7	59.4	59.8
30°	1050.5	905.7	554.9	184.1	93.4	80.0	68.5	59.0	51.9	48.3	47.9
32.5°	1048.2	886.3	490.8	129.4	83.9	70.1	58.2	49.1	43.1	40.4	40.0
35°	1045.4	867.3	429.9	98.6	75.6	60.6	49.1	41.6	36.8	34.4	34.4
37.5°	1046.2	847.5	363.8	84.7	67.3	52.6	42.0	35.6	31.7	29.3	28.9
40°	1058.4	835.6	298.8	76.8	59.8	45.5	36.4	30.9	26.9	24.5	24.1
42.5°	1088.9	836.0	236.7	70.9	53.0	38.8	31.7	26.5	23.0	20.2	19.8
45°	1149.9	852.6	181.7	64.5	45.9	33.6	27.3	22.6	19.0	16.6	16.2
47.5°	1249.6	902.1	137.7	59.0	40.0	29.3	23.4	19.0	15.8	13.9	13.5
50°	1408.4	991.5	108.5	52.2	33.6	25.3	19.8	15.8	13.1	11.1	10.7
52.5°	1599.1	1125.7	93.0	46.3	28.9	22.2	17.0	13.1	10.7	9.1	8.7
55°	1818.4	1286.0	85.9	40.4	24.5	19.0	13.9	10.7	8.7	7.5	6.7
57.5°	2019.5	1430.5	85.5	34.4	21.0	16.2	11.5	9.1	7.5	5.9	5.5
60°	2215.4	1551.2	80.4	28.5	18.2	13.5	9.9	7.5	6.3	5.1	4.7
62.5°	2393.2	1649.4	67.3	23.0	15.4	11.1	8.3	6.7	5.5	4.4	4.4
65°	2616.4	1774.5	51.5	18.6	12.7	9.1	7.1	5.9	5.1	4.0	4.0
67.5°	2847.2	1840.6	36.8	15.4	10.3	7.9	6.3	5.5	4.4	3.6	3.6
70°	2578.8	1555.2	26.5	12.7	8.7	6.7	5.5	5.1	4.4	3.6	3.2
72.5°	2014.0	1121.4	19.8	9.9	7.5	6.3	5.1	4.7	4.0	3.2	3.2
75°	1493.5	653.9	15.0	7.9	5.9	5.1	5.1	4.7	4.0	3.2	2.8
77.5°	811.8	228.0	11.5	6.3	4.7	4.0	4.4	4.4	3.6	2.8	2.4
80°	214.9	62.5	7.9	4.7	4.0	3.2	3.2	4.0	3.2	2.4	2.4
82.5°	62.5	18.2	5.5	4.0	3.2	2.8	2.8	2.8	2.4	2.0	1.6
85°	30.5	6.7	4.0	3.2	2.8	2.4	2.0	2.0	1.6	1.2	1.2
87.5°	13.5	2.8	3.2	2.8	2.8	2.0	1.6	1.2	1.2	0.8	0.4
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)