

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: P630472

Luminaire Tested: GWS-SA1D-760-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630472
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-760-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4789.1 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

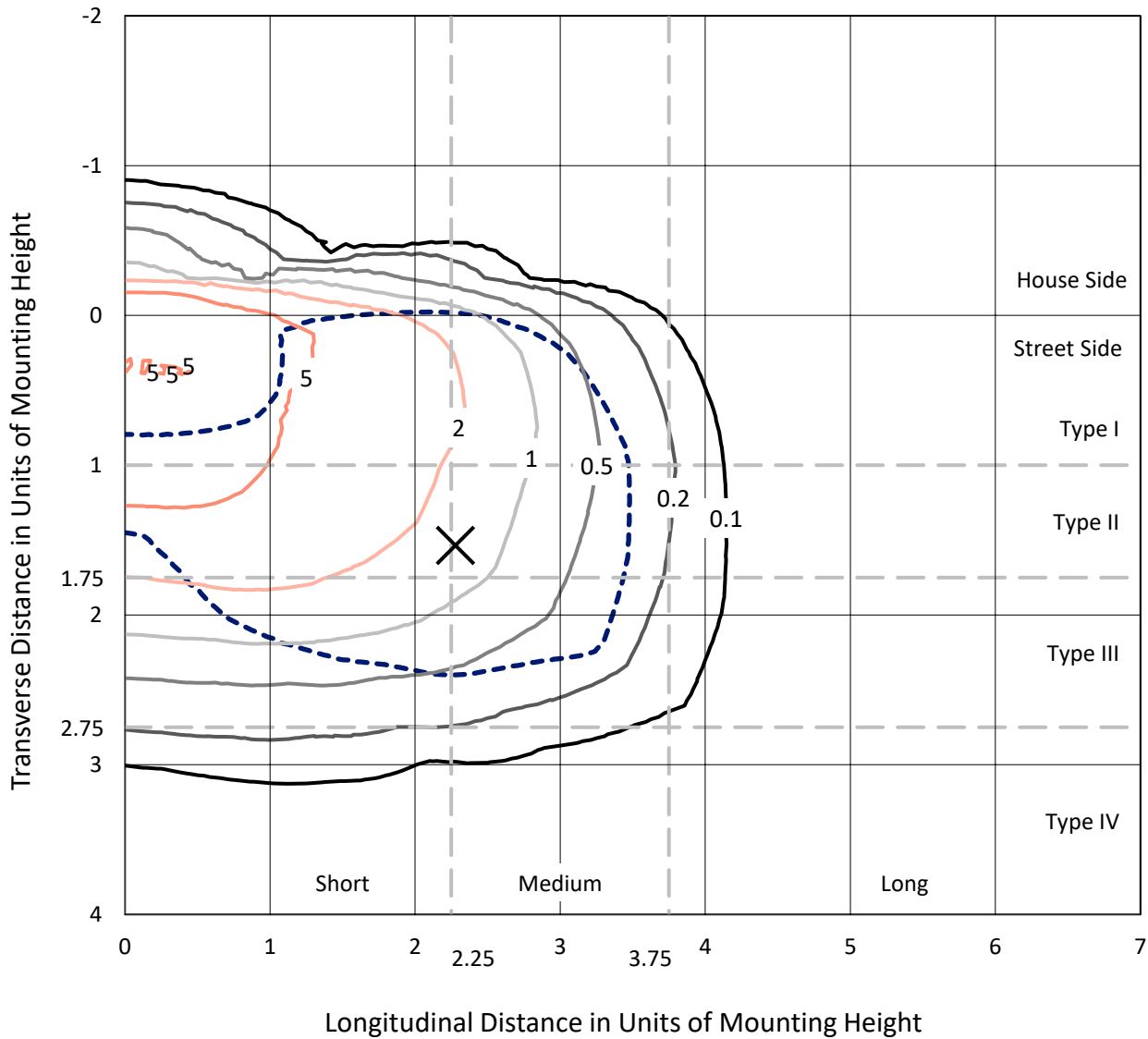
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

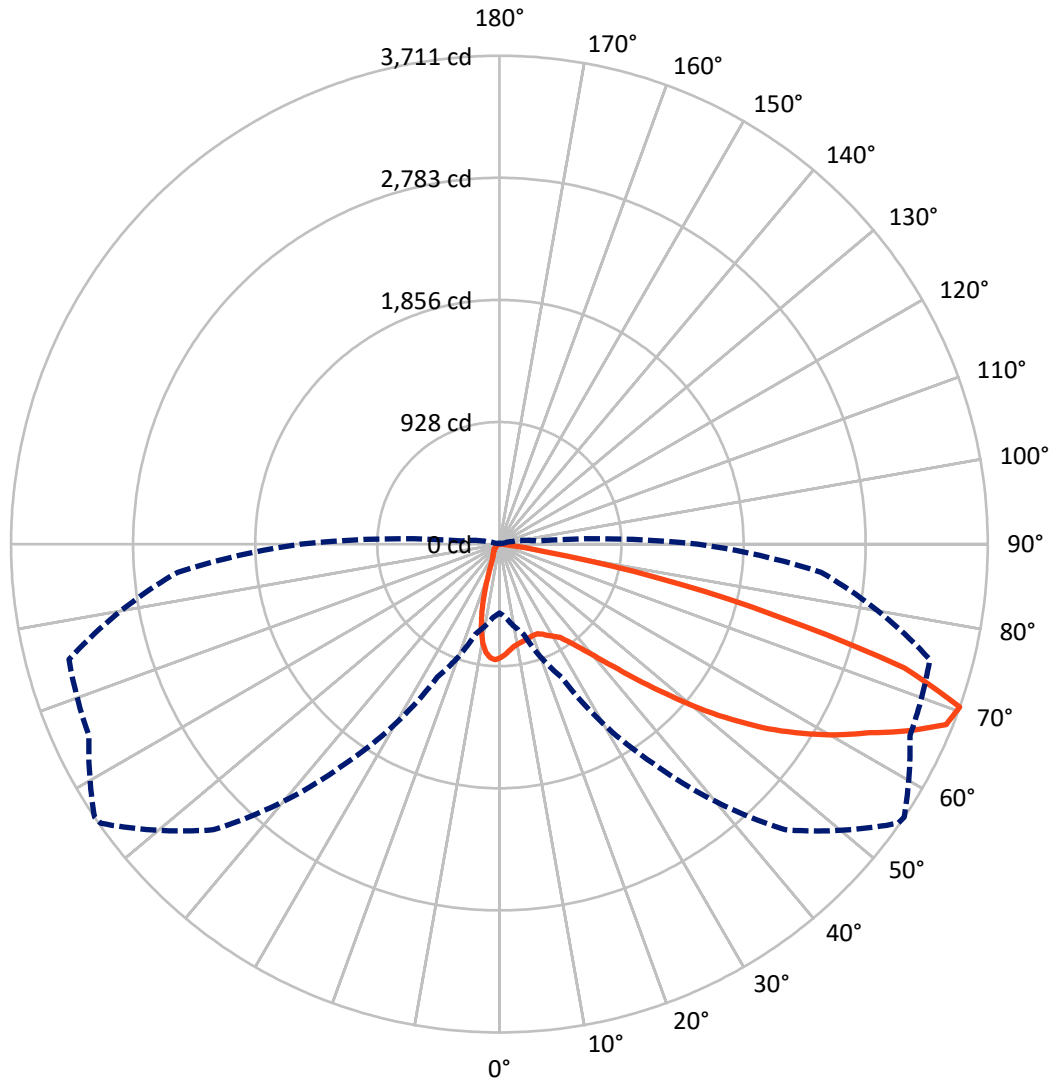
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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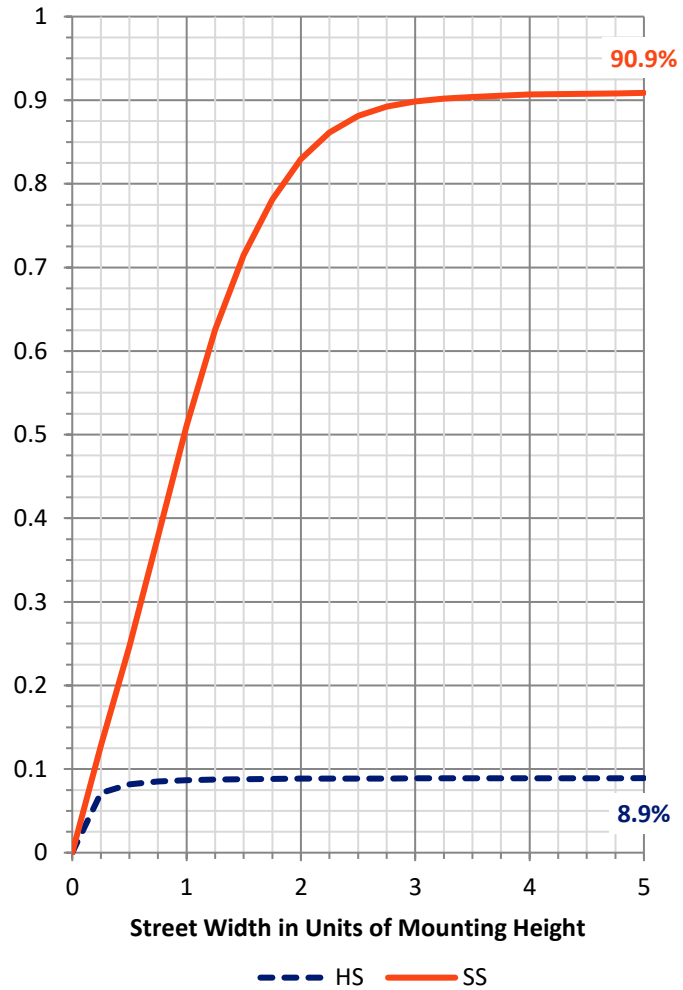
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	430.2	0.0	430.2
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4358.9	0.0	4358.9
	% Fixture	91.0	0.0	91.0
Total	Lumens	4789.1	0.0	4789.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.1	1.5
10°-20°	166.8	3.5
20°-30°	264.1	5.5
30°-40°	455.5	9.5
40°-50°	769.2	16.1
50°-60°	1130.2	23.6
60°-70°	1339.9	28.0
70°-80°	571.4	11.9
80°-90°	17.9	0.4
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°	4789.1	100.0
0°-180°	4789.1	100.0

Coefficient of Utilization



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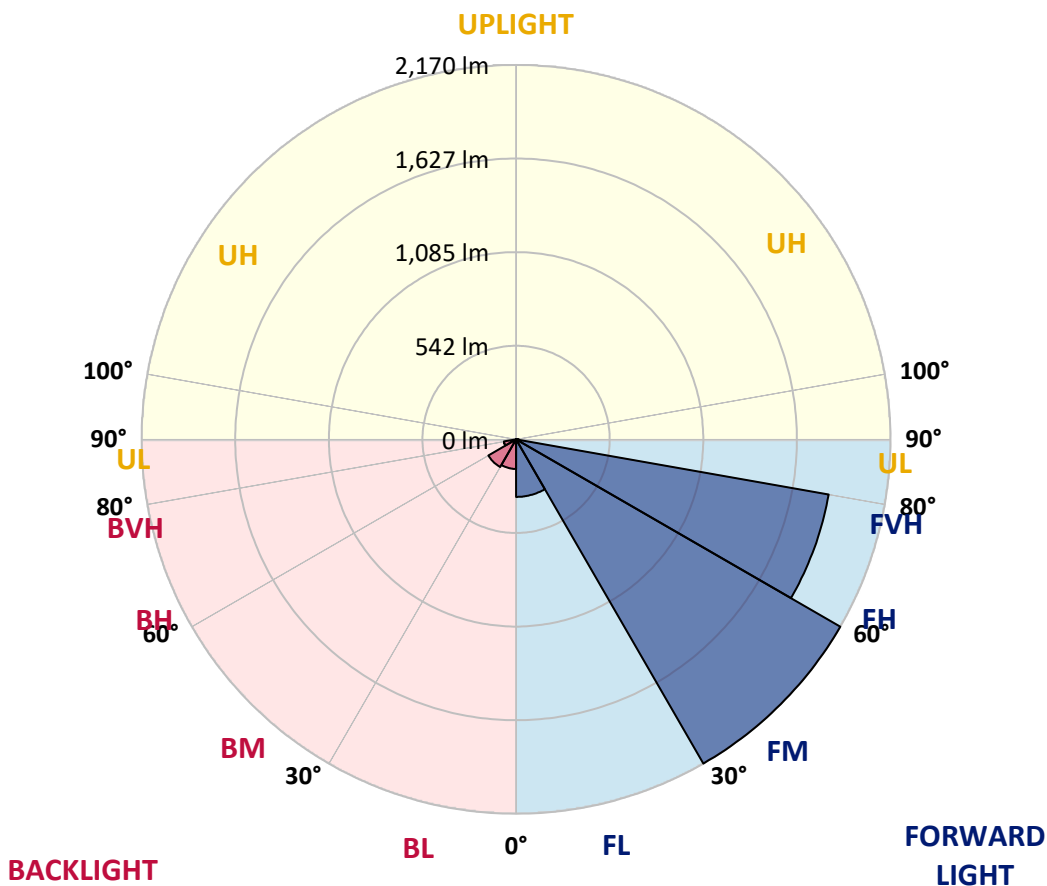
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	333.7	7.0			
FM (30°-60°)	2169.6	45.3			
FH (60°-80°)	1839.5	38.4			G2/5000
FVH (80°-90°)	16.1	0.3			G1/100
BL (0°-30°)	171.3	3.6	B1/500		
BM (30°-60°)	185.3	3.9	B0/220		
BH (60°-80°)	71.7	1.5	B0/110		G0/110
BVH (80°-90°)	1.8	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-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5
2.5°	803.9	802.6	803.4	810.0	822.3	828.0	837.6	839.4	847.3	857.4	861.3
5°	751.7	747.3	749.5	758.7	772.7	788.5	806.5	811.3	831.1	853.4	870.1
7.5°	703.9	699.1	704.3	718.8	738.5	755.6	782.4	785.5	817.0	856.5	886.8
10°	628.9	630.2	640.7	666.2	696.4	732.0	767.9	772.3	811.3	866.6	913.5
12.5°	571.4	568.4	579.8	608.7	651.3	703.0	757.0	762.7	811.8	881.9	947.7
15°	544.7	543.8	548.6	569.7	610.9	671.9	746.9	754.3	817.5	896.0	980.2
17.5°	545.6	544.3	543.8	556.1	586.8	648.6	735.9	745.6	822.3	911.3	1014.4
20°	583.7	577.6	566.6	560.9	579.3	633.7	728.4	739.4	829.3	927.6	1050.8
22.5°	663.5	665.7	636.3	605.7	596.9	635.5	727.6	740.3	844.7	953.0	1095.5
25°	823.2	819.7	765.3	696.4	648.6	655.6	742.9	758.3	874.9	989.4	1137.6
27.5°	1023.2	1026.2	951.7	842.0	742.0	697.3	771.0	786.3	910.0	1012.2	1165.7
30°	1241.1	1238.1	1158.2	1036.8	874.5	766.6	799.1	812.7	927.6	1024.5	1194.6
32.5°	1447.2	1440.2	1361.3	1234.1	1043.3	875.8	837.6	845.5	950.8	1051.2	1233.7
35°	1623.1	1622.7	1553.8	1418.3	1217.0	1012.6	903.9	910.4	994.2	1093.8	1291.1
37.5°	1804.7	1798.5	1721.3	1597.7	1395.5	1162.6	1005.2	1002.5	1062.6	1156.5	1361.7
40°	1953.8	1949.8	1890.6	1771.8	1581.0	1328.4	1128.0	1120.1	1143.8	1243.3	1460.0
42.5°	2064.3	2064.7	2046.3	1974.0	1777.5	1520.0	1282.3	1270.1	1269.6	1374.4	1589.8
45°	2148.1	2153.8	2181.4	2170.4	2009.5	1743.3	1480.1	1467.4	1445.9	1544.6	1738.4
47.5°	2187.1	2194.5	2277.9	2321.7	2212.5	1964.7	1715.6	1688.9	1646.8	1770.9	1904.7
50°	2183.1	2196.3	2312.5	2445.8	2396.7	2189.3	1972.2	1959.5	1890.6	2010.4	2069.1
52.5°	2093.7	2121.7	2314.7	2521.3	2538.4	2396.3	2237.5	2213.8	2180.5	2260.3	2223.5
55°	1850.7	1884.9	2222.2	2545.4	2648.9	2577.0	2497.2	2477.9	2422.6	2496.3	2358.1
57.5°	1718.7	1748.1	2027.5	2533.6	2742.7	2744.1	2728.3	2712.5	2666.9	2729.6	2516.0
60°	1639.3	1668.7	1923.5	2490.1	2827.8	2920.4	2945.4	2943.6	2877.8	2994.9	2701.1
62.5°	1523.1	1563.5	1815.2	2377.4	2888.4	3094.0	3169.5	3157.6	3084.4	3271.2	2884.4
65°	1288.5	1323.6	1593.3	2191.5	2852.8	3237.9	3412.4	3418.6	3333.9	3531.3	3029.1
67.5°	903.4	929.3	1197.3	1801.2	2611.6	3285.2	3661.1	3660.7	3516.4	3664.6	2965.1
70°	523.6	559.2	707.4	1113.5	2031.8	3069.9	3698.4	3711.1	3442.3	3386.1	2453.7
72.5°	202.6	232.0	400.8	591.6	1059.6	2351.6	3181.3	3218.6	2880.9	2612.1	1707.7
75°	60.5	67.5	188.6	314.9	425.4	1135.9	2153.8	2164.3	1976.1	1629.2	875.4
77.5°	45.2	50.0	82.4	159.2	149.1	344.3	1114.4	1217.0	1049.0	582.0	241.2
80°	30.7	36.4	58.8	77.6	55.3	91.7	313.1	343.8	320.1	130.7	60.5
82.5°	13.6	17.5	41.7	39.0	20.2	26.3	96.5	102.6	66.2	39.5	21.1
85°	1.3	1.8	15.8	17.1	7.5	6.1	20.2	20.2	14.5	13.6	8.8
87.5°	0.0	0.0	0.4	0.9	0.9	1.3	1.8	2.2	2.6	3.5	4.4
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°	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5	863.5
2.5°	871.4	866.2	872.7	878.0	879.3	869.7	864.0	855.6	853.9	854.3	852.1
5°	883.3	880.6	885.5	879.7	864.8	836.8	812.7	785.9	771.4	763.1	762.2
7.5°	905.2	903.9	898.6	872.7	826.2	764.0	703.9	645.1	608.7	595.6	593.4
10°	937.6	935.0	913.5	852.1	753.0	633.3	532.4	448.2	396.9	382.0	363.6
12.5°	974.9	969.7	922.7	807.8	642.5	476.7	350.8	256.6	212.3	199.1	199.1
15°	1010.9	999.5	917.5	734.6	506.5	310.1	196.0	148.2	134.6	131.1	131.1
17.5°	1047.7	1025.8	896.9	634.6	350.0	183.3	130.7	121.5	119.7	120.2	120.6
20°	1082.4	1048.2	860.5	514.4	223.2	128.1	117.1	114.9	114.0	114.9	114.5
22.5°	1120.1	1068.8	805.2	383.3	145.2	115.3	111.4	109.6	108.8	110.1	110.1
25°	1157.4	1083.7	732.0	257.9	115.3	107.4	105.3	103.5	102.6	103.1	103.1
27.5°	1176.7	1078.0	635.9	164.5	103.5	99.6	97.4	95.2	93.9	93.4	93.9
30°	1189.8	1060.4	518.4	117.1	93.9	89.0	86.8	85.1	81.6	79.4	80.3
32.5°	1210.4	1042.9	390.8	98.2	86.0	78.5	75.0	70.6	65.8	63.6	63.6
35°	1235.0	1018.8	274.1	88.6	77.6	69.7	63.2	55.7	50.0	48.2	48.2
37.5°	1267.4	996.0	182.4	82.0	70.6	62.3	53.1	44.3	38.2	37.3	36.8
40°	1316.1	976.7	128.5	77.2	64.5	54.4	43.4	34.2	29.8	28.5	28.5
42.5°	1379.3	956.9	101.7	72.4	59.2	46.9	34.6	27.2	23.7	22.8	22.4
45°	1457.3	933.7	88.6	68.0	53.9	39.0	27.6	22.8	20.2	19.3	19.3
47.5°	1542.0	902.1	82.4	62.3	47.8	31.6	23.2	19.7	18.4	18.0	17.5
50°	1625.3	859.6	77.2	57.0	40.8	25.9	20.2	18.0	17.1	16.7	16.7
52.5°	1698.1	810.0	70.6	50.9	33.3	22.4	18.0	16.7	15.8	14.9	14.5
55°	1760.4	756.1	62.3	43.9	27.2	19.7	16.7	15.3	14.5	13.6	13.2
57.5°	1840.6	725.4	50.0	35.5	22.4	17.5	15.3	14.0	13.2	11.8	11.8
60°	1929.7	703.0	37.3	28.1	19.3	16.2	14.0	12.7	11.8	10.5	10.5
62.5°	2001.1	669.7	29.4	22.8	16.7	14.5	12.7	11.4	10.5	9.2	9.2
65°	2028.3	600.8	24.1	18.0	13.6	12.7	11.4	10.5	9.2	7.9	7.9
67.5°	1905.5	463.1	20.2	14.5	11.4	11.0	10.1	9.6	7.9	7.0	6.6
70°	1509.1	282.4	16.7	11.8	9.6	9.2	9.2	8.3	7.0	6.6	6.1
72.5°	1034.1	145.6	13.6	9.6	8.3	8.3	7.9	7.5	6.6	6.1	6.1
75°	537.2	48.7	10.5	7.5	6.6	7.0	7.0	6.6	6.1	6.1	5.7
77.5°	153.9	21.9	7.9	5.7	5.3	5.3	5.7	5.7	5.7	5.3	5.3
80°	39.9	12.7	5.7	4.4	4.4	4.4	4.4	4.8	5.3	4.8	4.8
82.5°	16.2	7.0	3.9	3.5	3.5	3.5	3.5	3.9	4.4	4.4	4.4
85°	10.1	3.5	3.1	3.1	3.1	2.6	2.6	3.1	3.1	3.5	3.5
87.5°	6.1	2.6	2.6	2.6	2.6	2.2	2.2	2.2	2.2	2.2	2.2
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)