

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: P629582

Luminaire Tested: GWS-SA1B-830-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629582
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-830-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2132.6 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

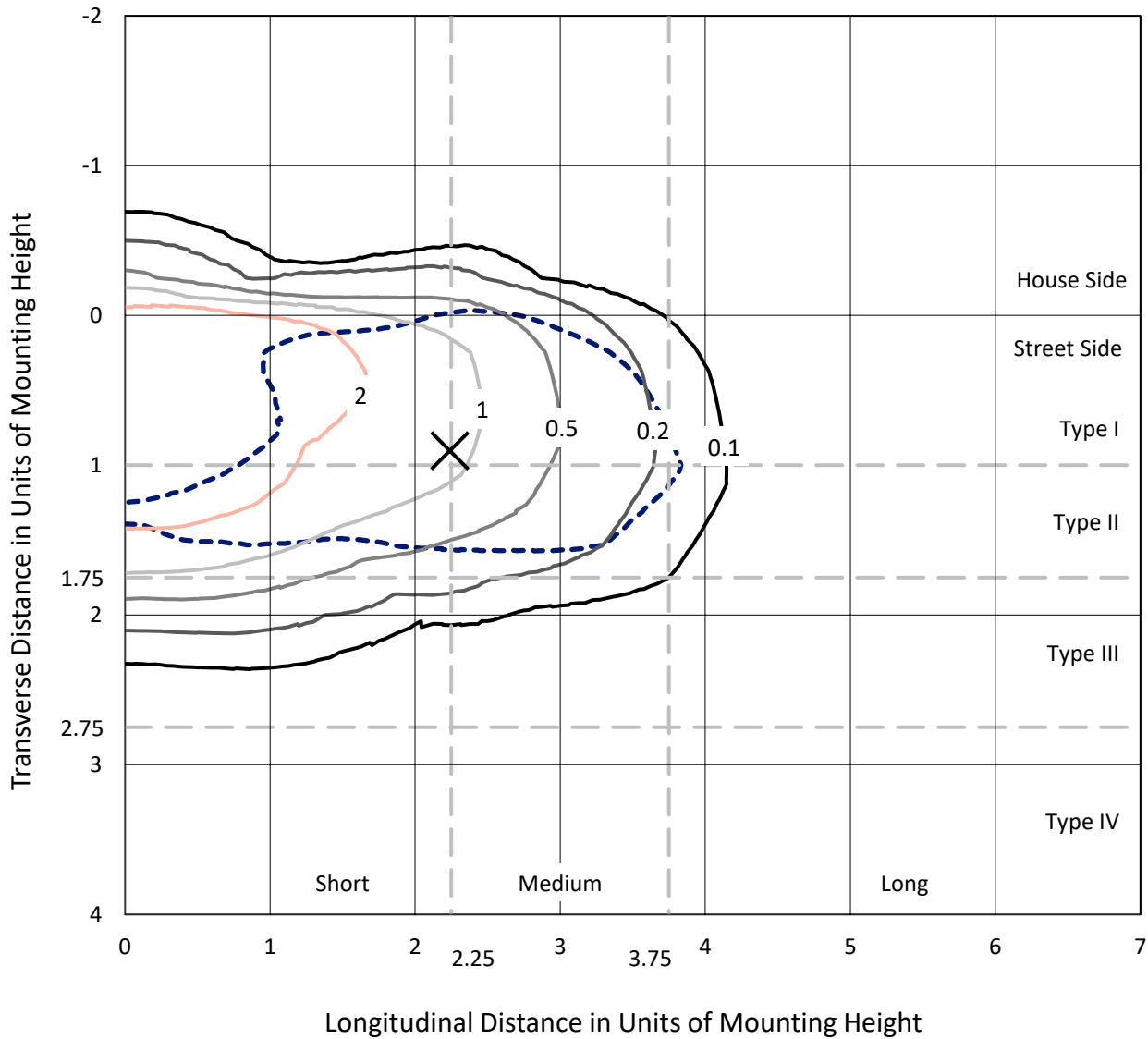
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

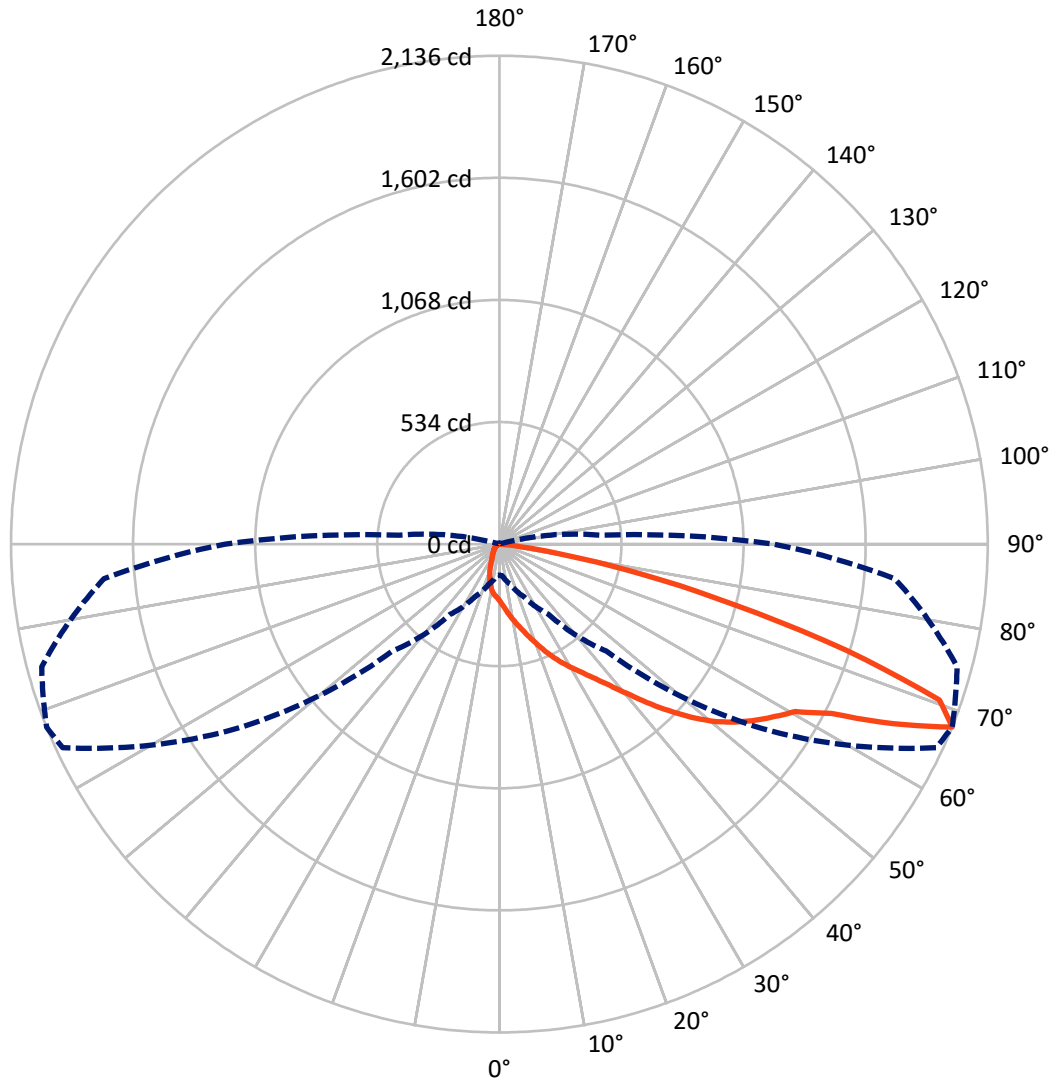
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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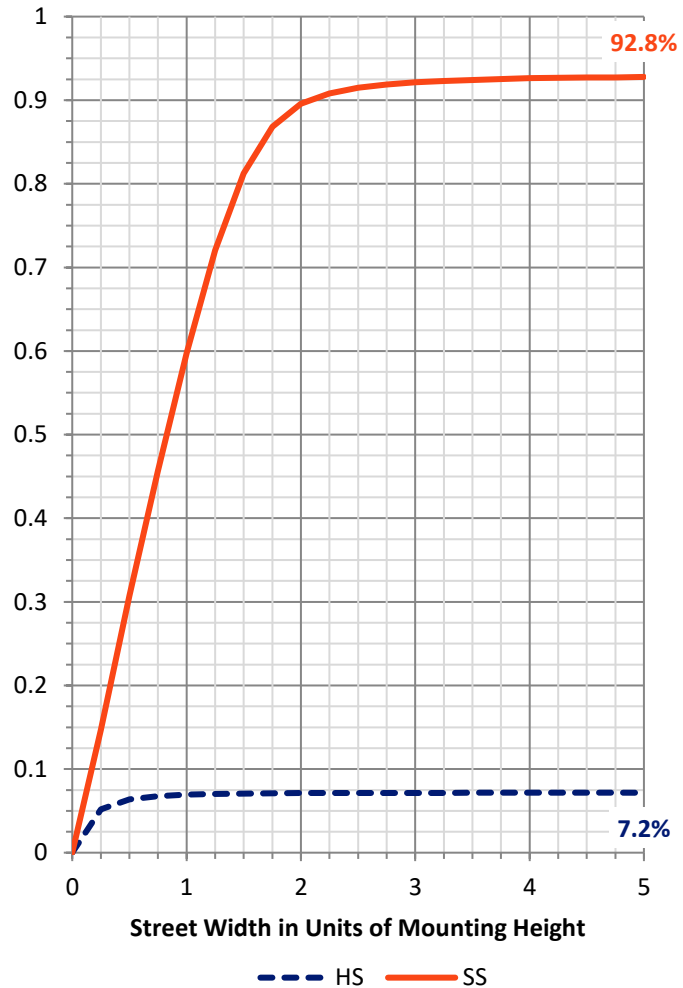
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	154.0	0.0	154.0
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	1978.6	0.0	1978.6
	% Fixture	92.8	0.0	92.8
Total	Lumens	2132.6	0.0	2132.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.2	1.1
10°-20°	69.5	3.3
20°-30°	119.4	5.6
30°-40°	207.7	9.7
40°-50°	362.4	17.0
50°-60°	546.6	25.6
60°-70°	548.1	25.7
70°-80°	241.8	11.3
80°-90°	12.9	0.6
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°	2132.6	100.0
0°-180°	2132.6	100.0

Coefficient of Utilization



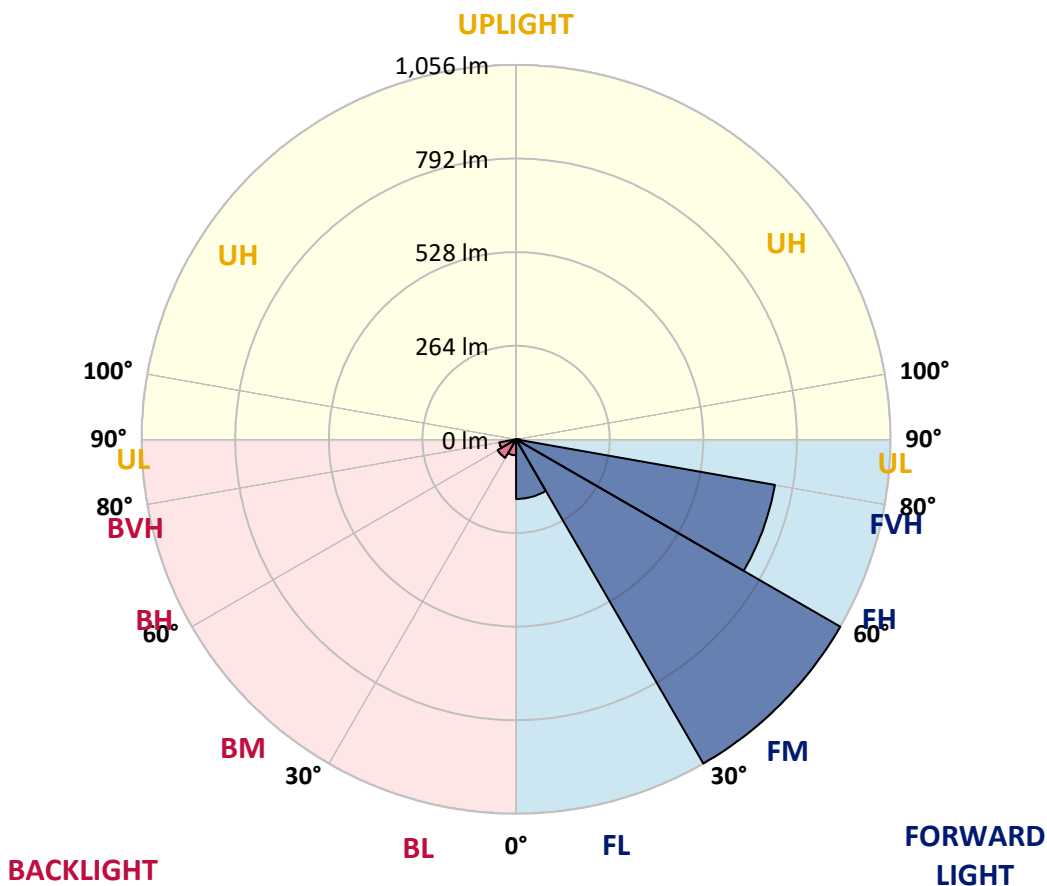
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	168.1	7.9			
FM (30°-60°)	1056.5	49.5			
FH (60°-80°)	741.8	34.8			G1/1800
FVH (80°-90°)	12.2	0.6			G1/100
BL (0°-30°)	45.1	2.1	B0/110		
BM (30°-60°)	60.2	2.8	B0/220		
BH (60°-80°)	48.1	2.3	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2
2.5°	289.0	290.8	289.0	289.4	284.1	281.7	276.3	269.0	267.2	262.5	255.3
5°	324.3	325.9	324.1	323.7	317.6	313.1	304.3	291.7	288.0	278.8	264.7
7.5°	343.5	344.5	345.1	346.1	343.9	340.2	332.3	316.6	312.7	297.8	278.0
10°	345.5	346.4	349.4	355.5	360.0	362.3	357.8	343.3	337.2	322.7	294.3
12.5°	339.8	341.0	345.9	356.1	368.6	380.0	382.9	370.2	364.7	346.1	313.5
15°	332.3	333.3	340.0	353.9	372.7	393.7	405.5	400.0	393.9	374.5	334.7
17.5°	320.6	322.1	331.5	350.2	374.5	404.5	430.0	431.9	427.6	406.6	358.2
20°	314.1	315.1	323.5	342.9	373.3	412.5	452.9	470.2	465.5	443.5	385.1
22.5°	319.6	320.4	325.9	341.0	369.2	417.0	474.1	508.6	506.0	483.1	413.5
25°	348.6	351.2	348.0	350.6	371.0	419.4	491.3	547.0	547.6	524.5	442.9
27.5°	407.4	403.9	396.1	382.9	385.3	425.9	506.0	583.1	588.4	564.9	469.0
30°	467.2	465.1	460.4	439.8	422.7	440.4	518.4	620.0	628.4	604.7	492.3
32.5°	534.3	536.4	528.0	503.3	474.1	469.8	531.3	655.1	670.9	649.8	519.6
35°	614.5	615.1	598.6	571.3	538.2	518.4	554.3	693.9	722.9	707.4	556.2
37.5°	692.7	696.4	687.4	644.3	614.9	578.8	592.5	743.7	784.5	778.4	602.1
40°	761.9	767.6	764.7	723.1	684.5	654.1	651.7	802.1	859.0	866.0	662.7
42.5°	817.0	820.7	822.9	793.3	759.2	742.1	724.7	869.9	947.0	975.4	737.0
45°	875.2	876.4	881.1	861.1	831.3	832.7	811.1	952.1	1039.7	1096.6	822.3
47.5°	949.2	953.3	951.1	930.1	903.1	919.2	900.3	1036.8	1131.1	1226.0	909.7
50°	1039.5	1043.7	1041.7	1017.2	987.2	993.9	982.1	1119.1	1219.3	1348.1	982.3
52.5°	1086.0	1089.5	1114.8	1125.8	1110.1	1067.2	1051.9	1209.5	1293.8	1448.5	1049.1
55°	1063.5	1066.0	1121.1	1167.6	1225.2	1182.3	1122.1	1279.3	1359.5	1526.8	1098.6
57.5°	970.5	983.7	1058.6	1137.4	1258.5	1296.0	1236.0	1355.2	1422.8	1581.3	1147.4
60°	779.6	779.0	886.4	1027.8	1193.6	1327.2	1396.8	1457.9	1486.2	1623.2	1212.7
62.5°	430.8	434.7	577.6	763.9	1013.1	1246.4	1517.5	1635.2	1630.9	1696.2	1315.0
65°	214.5	222.3	299.8	437.6	674.1	1030.1	1538.3	1905.8	1893.6	1868.3	1526.2
67.5°	136.1	139.2	182.1	254.3	374.7	662.1	1408.7	2107.7	2136.1	2072.4	1735.8
70°	88.2	93.3	126.5	173.9	226.1	341.2	1031.9	1976.9	2042.0	2049.9	1605.2
72.5°	48.0	51.6	80.8	124.1	163.3	170.6	579.6	1483.6	1588.3	1738.9	1255.8
75°	27.3	30.0	44.3	84.3	119.8	103.9	257.0	993.1	1059.9	1242.7	899.9
77.5°	16.5	18.8	24.9	41.0	75.1	69.4	97.1	604.5	647.0	741.5	472.3
80°	7.6	9.0	15.7	22.7	41.0	32.9	37.1	281.9	291.0	304.3	156.3
82.5°	3.5	4.1	7.1	13.5	23.3	19.0	14.3	65.1	91.6	86.7	39.8
85°	0.4	0.4	2.7	5.5	6.5	4.9	5.9	14.7	18.6	26.1	11.4
87.5°	0.0	0.0	0.2	0.2	0.4	0.6	1.2	1.8	2.7	4.3	2.9
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°	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2	248.2
2.5°	252.1	246.3	241.2	233.7	228.6	222.9	219.0	214.3	212.5	211.0	209.0
5°	257.8	248.6	236.1	222.3	210.8	200.0	190.0	183.5	177.8	177.0	174.1
7.5°	267.2	253.5	232.5	209.8	190.4	172.5	158.4	146.9	141.2	139.4	136.1
10°	279.6	260.8	227.0	192.3	164.3	142.9	126.9	114.1	105.1	101.8	99.4
12.5°	293.5	267.6	218.2	170.6	138.8	114.3	94.1	80.4	74.7	72.7	70.8
15°	309.4	273.9	204.3	149.0	113.9	84.1	69.8	63.9	61.4	60.8	60.2
17.5°	324.7	278.0	187.8	126.5	87.6	65.3	58.6	56.3	55.7	55.1	54.7
20°	342.1	280.8	168.4	105.3	68.0	55.3	52.0	50.4	49.2	48.0	47.8
22.5°	359.8	280.8	147.4	84.5	56.9	49.6	45.9	42.9	40.6	39.4	39.0
25°	376.8	277.0	126.5	67.6	50.2	44.1	39.4	35.9	32.9	31.4	31.0
27.5°	388.8	267.0	108.4	57.1	45.5	39.2	33.5	29.6	27.1	25.7	25.5
30°	396.4	252.1	91.6	51.0	41.4	34.1	28.4	25.1	23.3	22.2	21.8
32.5°	402.1	233.7	76.7	46.7	37.6	29.6	24.7	22.0	20.4	19.6	19.4
35°	413.5	216.3	65.7	42.9	33.5	25.9	21.6	19.6	18.4	17.3	17.1
37.5°	429.4	201.9	56.9	39.4	29.6	23.1	19.6	17.8	16.7	15.7	15.5
40°	452.9	192.7	50.4	35.9	26.1	20.8	18.0	16.3	14.9	13.9	13.7
42.5°	489.0	188.4	46.1	32.5	23.1	18.8	16.5	14.5	13.1	12.0	11.8
45°	532.1	190.6	42.5	29.0	21.0	17.3	14.7	12.7	11.2	10.2	10.0
47.5°	578.2	198.6	39.4	25.7	19.0	15.9	13.1	10.8	9.6	8.6	8.4
50°	626.4	211.6	36.7	22.7	17.3	14.3	11.2	9.4	8.2	7.3	7.1
52.5°	668.2	229.4	34.1	20.4	15.9	12.7	9.8	8.2	6.9	6.1	5.9
55°	708.2	246.1	32.0	18.4	14.3	11.0	8.6	6.9	5.9	5.1	4.9
57.5°	751.7	263.9	29.6	16.5	12.9	9.8	7.6	5.9	5.1	4.3	4.1
60°	815.0	290.2	25.9	15.1	11.2	8.6	6.5	5.3	4.5	3.5	3.3
62.5°	906.2	338.2	21.8	13.1	9.6	7.3	5.5	4.5	3.7	2.9	2.4
65°	1076.8	419.8	18.0	10.8	7.8	6.1	4.7	3.7	2.9	2.0	1.8
67.5°	1199.7	441.1	14.5	8.8	6.3	4.7	3.9	2.9	2.0	1.4	1.2
70°	1048.8	316.8	11.2	7.1	5.3	3.7	3.1	2.2	1.4	1.0	0.8
72.5°	790.3	207.0	8.4	5.5	4.1	3.1	2.2	1.8	1.2	0.8	0.6
75°	557.0	119.6	6.1	4.1	2.9	2.2	1.8	1.4	1.0	0.6	0.6
77.5°	285.5	49.4	4.3	2.9	2.0	1.4	1.2	0.8	0.8	0.6	0.4
80°	86.7	16.3	2.4	1.8	1.4	1.0	0.6	0.6	0.6	0.4	0.2
82.5°	19.8	5.3	1.4	1.4	1.0	0.8	0.6	0.2	0.2	0.0	0.0
85°	5.1	1.6	1.2	1.0	1.0	0.8	0.4	0.2	0.0	0.0	0.0
87.5°	1.8	1.0	1.0	1.0	0.8	0.6	0.4	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)