

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: P628976

Luminaire Tested: GWS-SA1A-760-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-760-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2392 lumens
Efficiency: N/A
Efficacy: 121.4 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

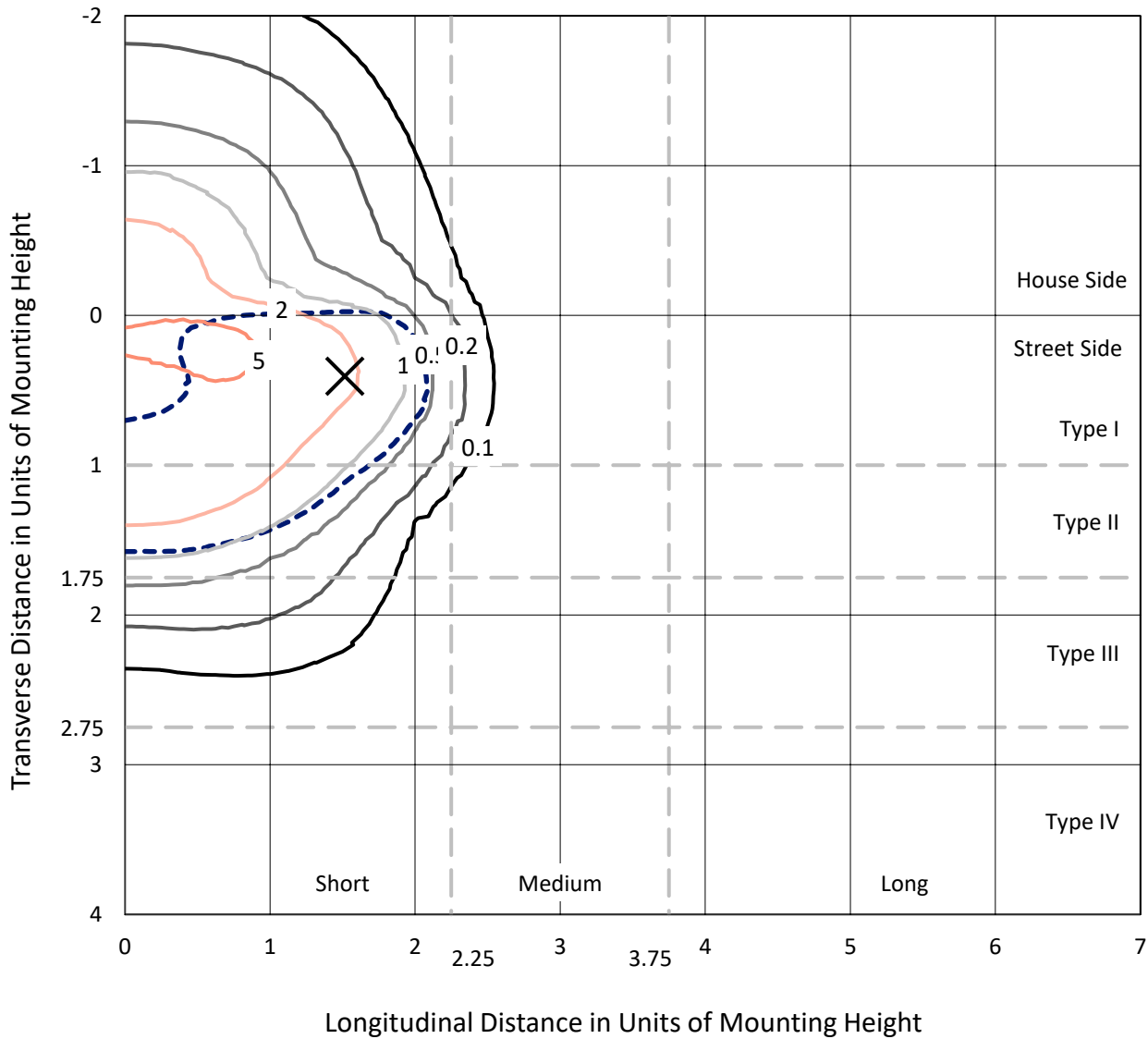
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

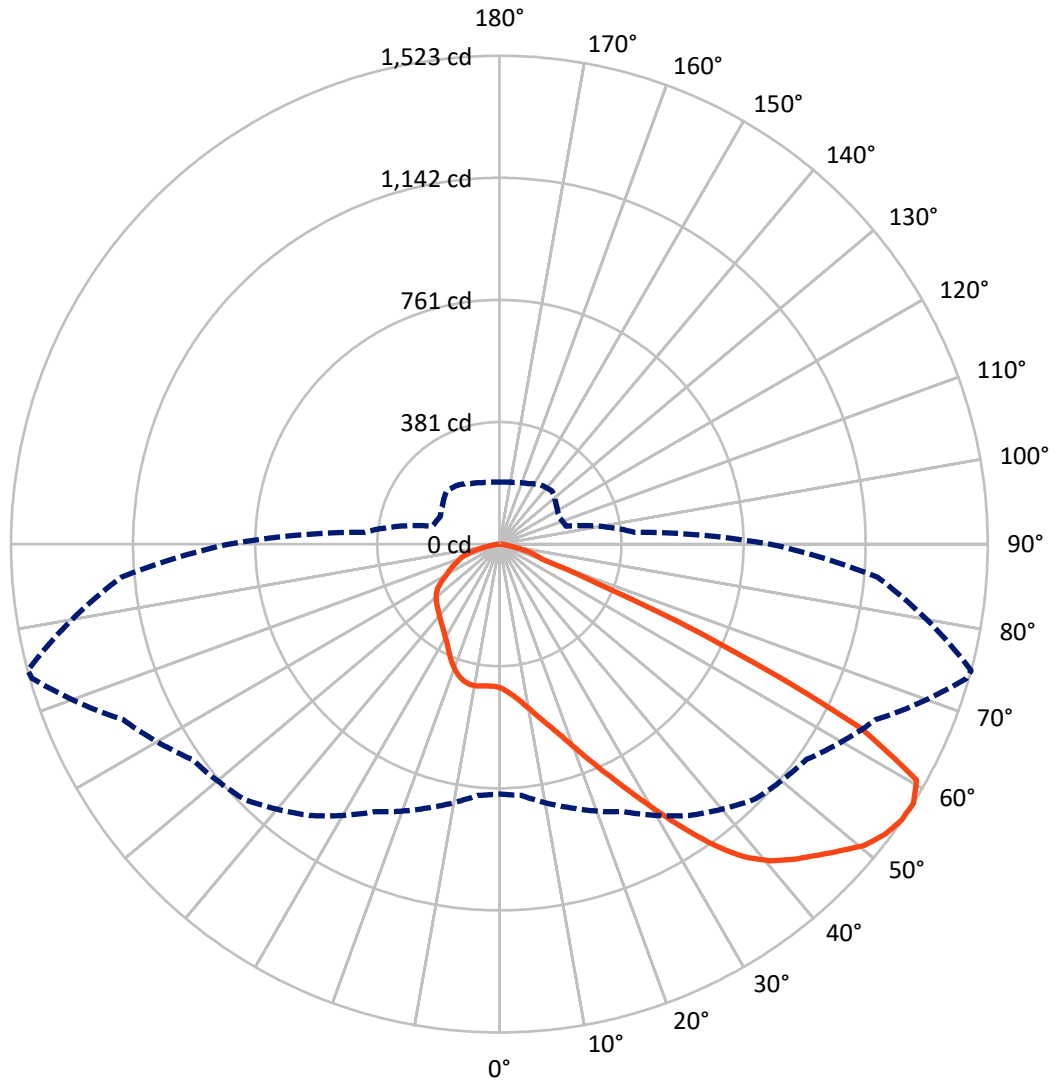
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.3 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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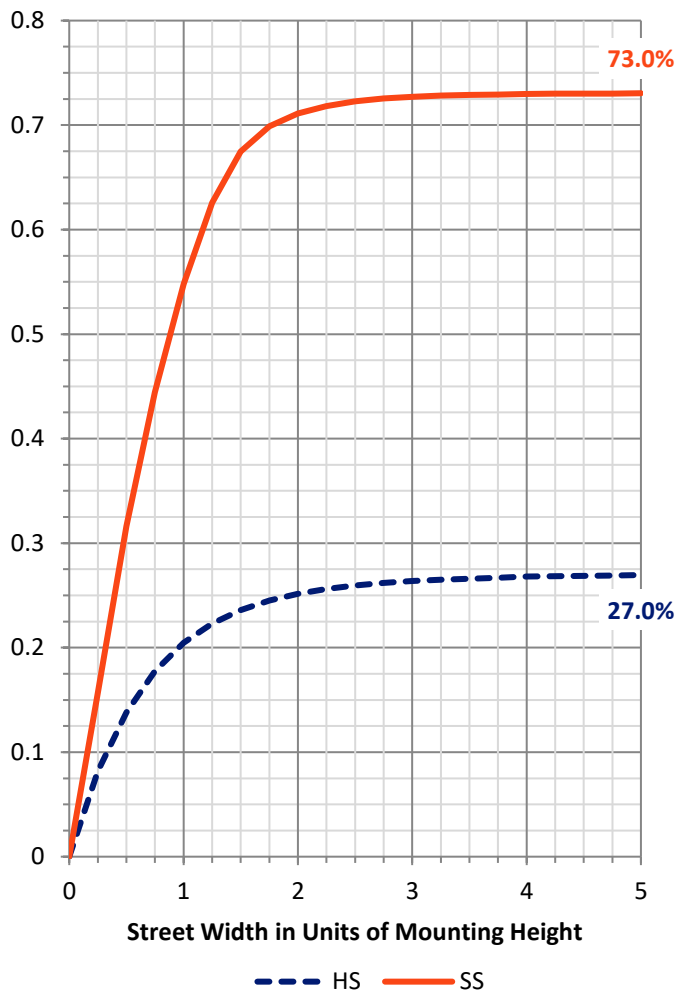
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	647.1	0.0	647.1
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	1744.9	0.0	1744.9
	% Fixture	72.9	0.0	72.9
Total	Lumens	2392.0	0.0	2392.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.8	1.9
10°-20°	142.7	6.0
20°-30°	253.1	10.6
30°-40°	387.5	16.2
40°-50°	539.5	22.6
50°-60°	618.2	25.8
60°-70°	317.6	13.3
70°-80°	80.0	3.3
80°-90°	8.5	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°	2392.0	100.0
0°-180°	2392.0	100.0

Coefficient of Utilization



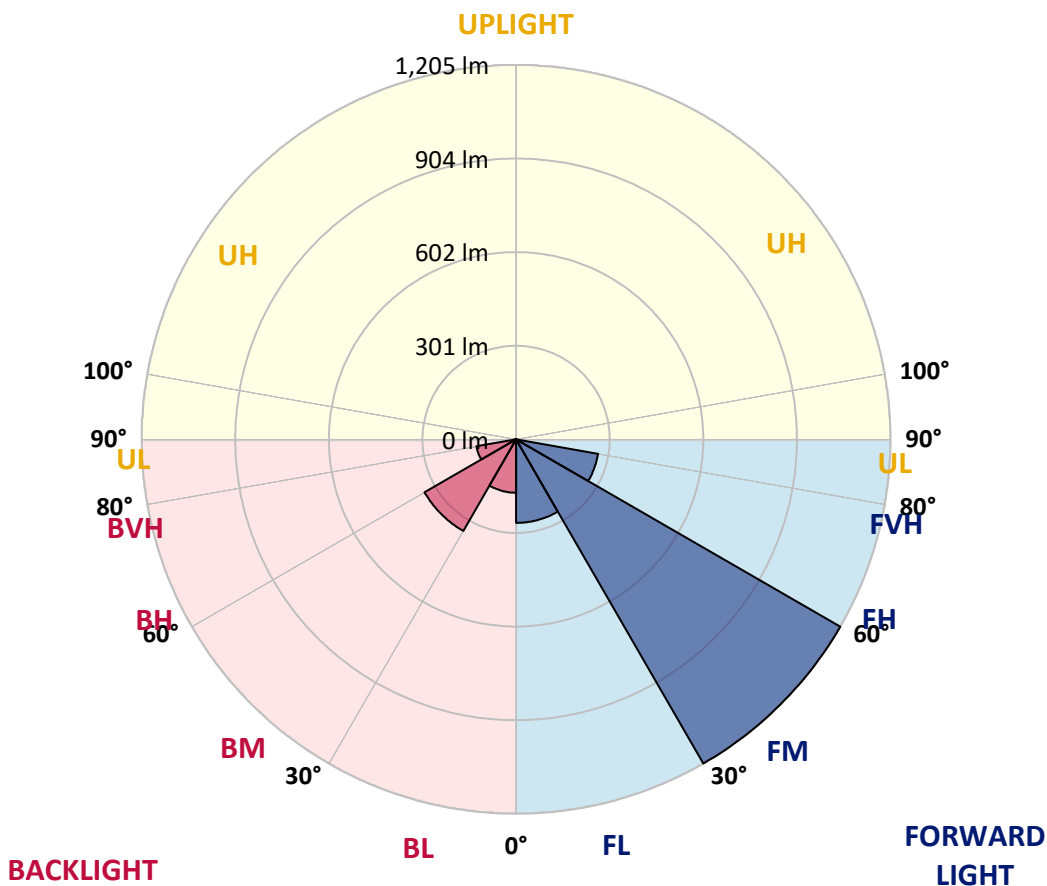
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	268.8	11.2			
FM (30°-60°)	1204.9	50.4			
FH (60°-80°)	268.1	11.2			G0/660
FVH (80°-90°)	3.2	0.1			G0/10
BL (0°-30°)	171.9	7.2	B1/500		
BM (30°-60°)	340.3	14.2	B1/1000		
BH (60°-80°)	129.5	5.4	B1/500		G1/500
BVH (80°-90°)	5.4	0.2			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°	74°	75°	85°
0°	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0
2.5°	481.3	482.5	481.3	483.3	479.2	477.4	472.9	466.1	460.7	459.9	453.9
5°	518.7	521.4	519.7	518.9	513.4	509.3	502.5	488.9	477.8	476.1	464.4
7.5°	542.8	544.6	544.6	545.2	543.2	538.5	531.3	515.2	499.6	497.1	479.4
10°	550.8	552.2	554.9	560.1	564.2	565.6	560.9	545.5	526.3	523.9	499.2
12.5°	552.7	554.3	558.4	567.9	579.2	589.5	590.3	579.0	557.6	554.9	522.0
15°	556.2	557.8	563.3	575.1	591.7	611.5	623.6	615.8	592.1	589.3	547.9
17.5°	555.7	557.6	565.8	581.4	603.9	632.5	655.9	659.2	634.7	629.8	577.3
20°	554.7	556.4	565.2	584.3	612.1	651.4	693.7	710.8	684.5	680.0	611.7
22.5°	562.9	564.8	571.6	587.4	616.4	666.0	728.7	769.8	743.5	737.1	651.2
25°	581.4	584.1	588.2	599.1	624.2	678.9	764.5	836.7	809.7	802.1	694.2
27.5°	610.0	613.3	619.1	624.2	641.7	695.4	800.1	911.6	884.6	876.6	739.6
30°	645.0	649.3	656.7	660.2	672.2	719.7	838.8	988.7	973.1	962.0	790.8
32.5°	693.3	699.3	706.3	707.3	714.5	756.5	877.0	1065.2	1065.0	1057.2	849.0
35°	756.3	762.6	764.1	765.5	769.0	807.1	923.3	1134.9	1161.9	1152.8	912.4
37.5°	825.0	834.2	836.5	830.1	835.0	868.0	975.3	1190.9	1246.2	1236.5	973.7
40°	898.4	902.1	908.3	898.2	904.4	937.7	1026.3	1226.7	1309.1	1298.8	1022.0
42.5°	951.0	957.8	967.1	963.4	966.9	997.3	1062.1	1243.9	1354.0	1343.7	1056.8
45°	1008.2	1010.3	1016.2	1015.4	1017.5	1045.9	1087.8	1251.5	1394.1	1384.8	1086.4
47.5°	1058.0	1061.1	1065.0	1060.5	1055.9	1074.5	1108.8	1258.1	1440.4	1429.2	1117.4
50°	1105.9	1108.6	1113.3	1100.2	1083.3	1088.0	1119.1	1267.2	1483.8	1475.9	1141.9
52.5°	1114.8	1117.6	1139.9	1142.5	1120.9	1104.3	1137.2	1287.1	1509.3	1504.3	1150.8
55°	1003.5	1008.6	1052.9	1103.7	1156.9	1151.6	1166.2	1297.6	1519.3	1520.6	1166.6
57.5°	778.9	786.3	850.9	920.6	1032.7	1125.5	1169.9	1294.9	1515.8	1522.6	1182.8
60°	510.9	515.2	591.7	669.9	786.1	914.4	1047.1	1246.8	1484.8	1494.4	1178.7
62.5°	308.5	313.5	374.9	434.2	502.7	588.4	710.2	1002.1	1244.6	1266.1	944.1
65°	215.3	221.9	275.8	324.6	348.2	330.5	359.7	559.6	775.4	784.5	576.9
67.5°	156.1	160.6	204.9	262.9	289.0	233.4	177.9	247.8	337.7	341.0	238.0
70°	102.2	107.4	147.5	200.1	235.9	189.2	133.1	134.1	142.1	143.8	138.2
72.5°	56.1	59.2	91.1	132.9	139.4	113.1	103.9	111.5	117.0	117.0	118.5
75°	29.0	31.7	37.2	43.8	52.9	61.9	74.9	86.2	92.1	92.6	91.9
77.5°	14.8	15.8	20.0	21.6	23.7	27.6	35.8	45.9	51.2	53.3	52.9
80°	7.0	7.4	8.4	9.9	12.1	15.4	19.3	23.0	26.3	26.7	29.0
82.5°	3.7	4.1	4.5	5.3	6.6	8.2	11.3	13.6	15.6	16.0	17.9
85°	1.4	1.6	1.9	2.1	2.9	3.5	4.7	6.4	7.8	7.8	9.3
87.5°	0.0	0.0	0.0	0.0	0.2	0.4	0.8	1.0	1.4	1.4	2.5
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°	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0
2.5°	452.5	446.5	443.9	439.5	436.0	432.1	429.0	426.8	425.3	424.5	423.7
5°	459.9	450.8	443.6	435.0	429.0	423.3	418.6	415.3	413.6	412.4	411.6
7.5°	471.4	459.3	445.7	432.3	421.8	412.6	406.6	403.1	400.9	400.0	399.4
10°	487.2	470.4	448.0	426.8	411.1	401.1	397.0	395.3	395.5	395.1	394.9
12.5°	505.1	482.1	447.3	416.9	399.6	393.7	393.9	396.5	399.6	400.5	400.7
15°	524.5	493.6	441.4	404.2	390.6	391.2	396.5	402.9	408.7	410.9	411.4
17.5°	545.5	503.3	430.5	390.2	383.2	389.8	399.6	410.1	418.6	422.3	423.3
20°	568.9	511.5	415.1	376.4	376.2	387.1	401.5	415.3	426.0	430.9	431.7
22.5°	593.8	516.7	396.1	363.6	369.0	383.6	400.0	414.4	425.8	430.7	431.7
25°	618.9	518.3	375.4	351.9	361.6	378.0	393.0	404.6	415.3	419.6	420.4
27.5°	642.3	513.6	355.6	341.8	354.8	369.8	379.9	386.1	393.5	396.8	397.4
30°	666.2	504.1	339.0	333.8	347.2	358.5	363.0	363.4	366.3	366.3	366.7
32.5°	690.3	490.1	324.4	326.0	337.7	345.1	345.7	341.0	337.5	331.8	331.6
35°	718.0	475.9	312.4	317.2	326.6	331.1	329.3	320.2	311.8	302.3	301.9
37.5°	743.7	461.3	302.3	308.1	314.1	317.4	313.0	302.1	295.1	285.5	284.0
40°	764.9	448.2	292.7	298.6	301.5	304.4	297.4	288.6	289.6	284.2	284.0
42.5°	777.3	435.4	283.6	288.2	290.0	292.1	285.9	279.3	284.9	280.7	281.0
45°	786.3	424.3	275.4	277.0	281.6	284.7	278.9	271.5	272.7	256.9	253.2
47.5°	796.6	418.1	267.6	265.9	274.0	279.3	270.5	259.8	252.4	236.7	235.3
50°	807.5	415.9	259.4	254.8	264.5	269.6	259.4	246.0	236.3	227.9	227.1
52.5°	811.2	415.7	249.1	241.5	251.1	258.3	249.7	236.1	224.6	216.4	216.0
55°	825.8	421.6	235.9	223.2	232.2	247.0	240.6	221.1	211.8	208.1	207.7
57.5°	842.9	422.7	215.1	203.2	215.8	233.2	225.2	208.4	198.3	193.7	193.3
60°	835.9	397.4	192.9	188.0	201.8	220.3	212.9	198.3	186.5	182.2	181.8
62.5°	637.0	280.5	176.7	174.8	186.8	201.6	200.1	184.9	173.8	170.7	170.3
65°	383.2	197.0	161.0	160.8	169.3	183.5	185.3	173.0	161.3	156.9	156.9
67.5°	189.4	150.8	143.4	142.3	147.7	157.8	165.6	155.5	145.6	141.5	140.9
70°	133.9	132.9	130.4	127.5	128.5	132.7	136.0	127.5	117.0	112.9	112.1
72.5°	115.8	116.0	114.4	112.1	111.3	108.4	105.5	99.3	93.0	88.6	89.1
75°	89.9	90.3	91.3	90.5	88.2	85.2	82.1	74.2	69.1	65.0	64.2
77.5°	52.4	54.5	57.8	57.0	57.4	53.1	51.8	44.2	39.5	36.6	36.0
80°	29.6	30.9	32.3	33.3	32.1	30.2	27.6	23.4	22.0	20.0	19.5
82.5°	17.9	19.1	19.7	20.6	20.2	17.7	15.6	13.0	11.7	10.7	10.5
85°	9.0	9.9	10.5	10.9	9.7	8.0	7.2	5.8	4.9	4.3	4.3
87.5°	2.3	2.5	2.9	2.5	2.3	1.0	0.8	0.2	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)