

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: P629305

Luminaire Tested: GWS-SA1B-735-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629305
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-735-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2099.7 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

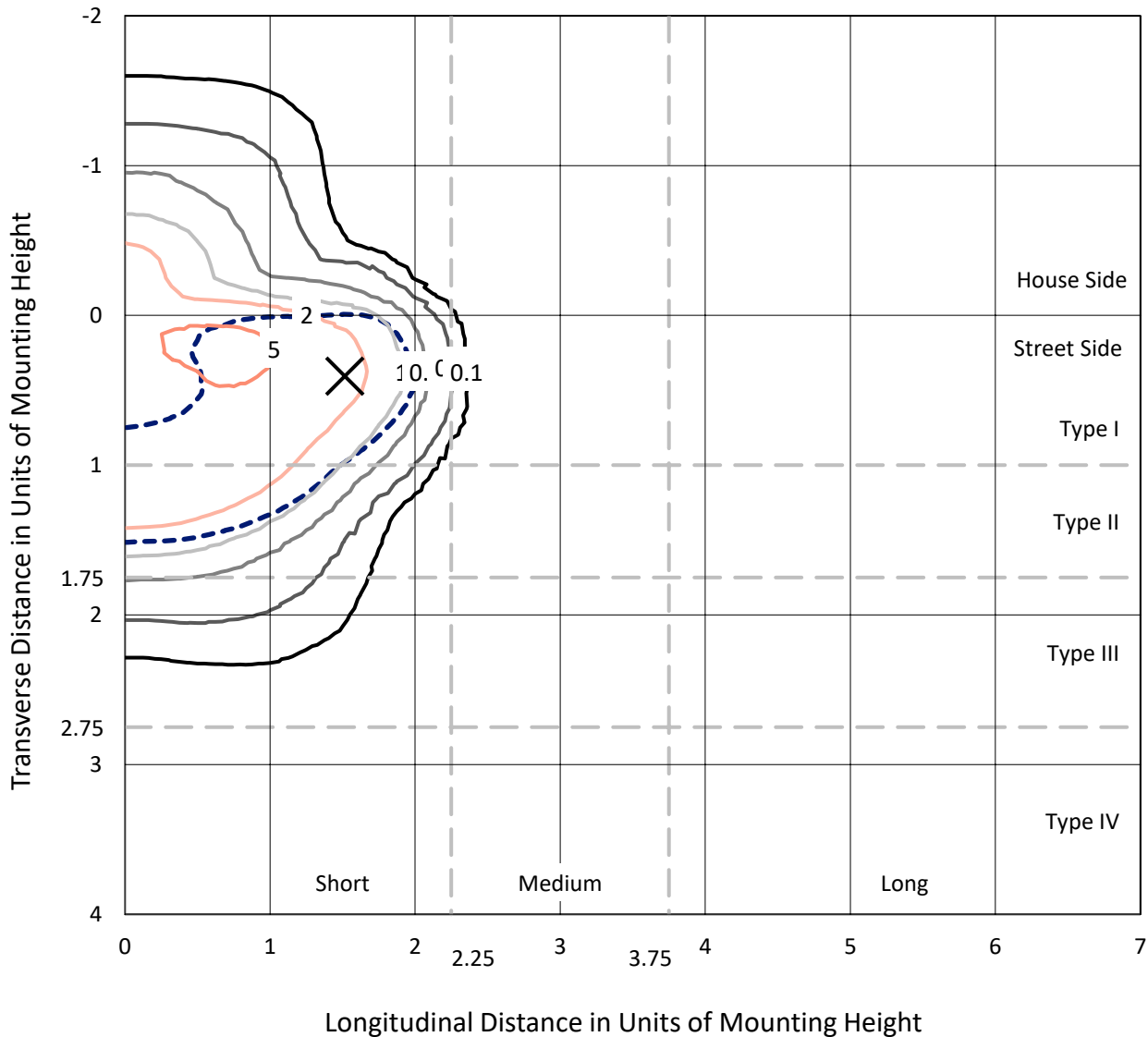
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

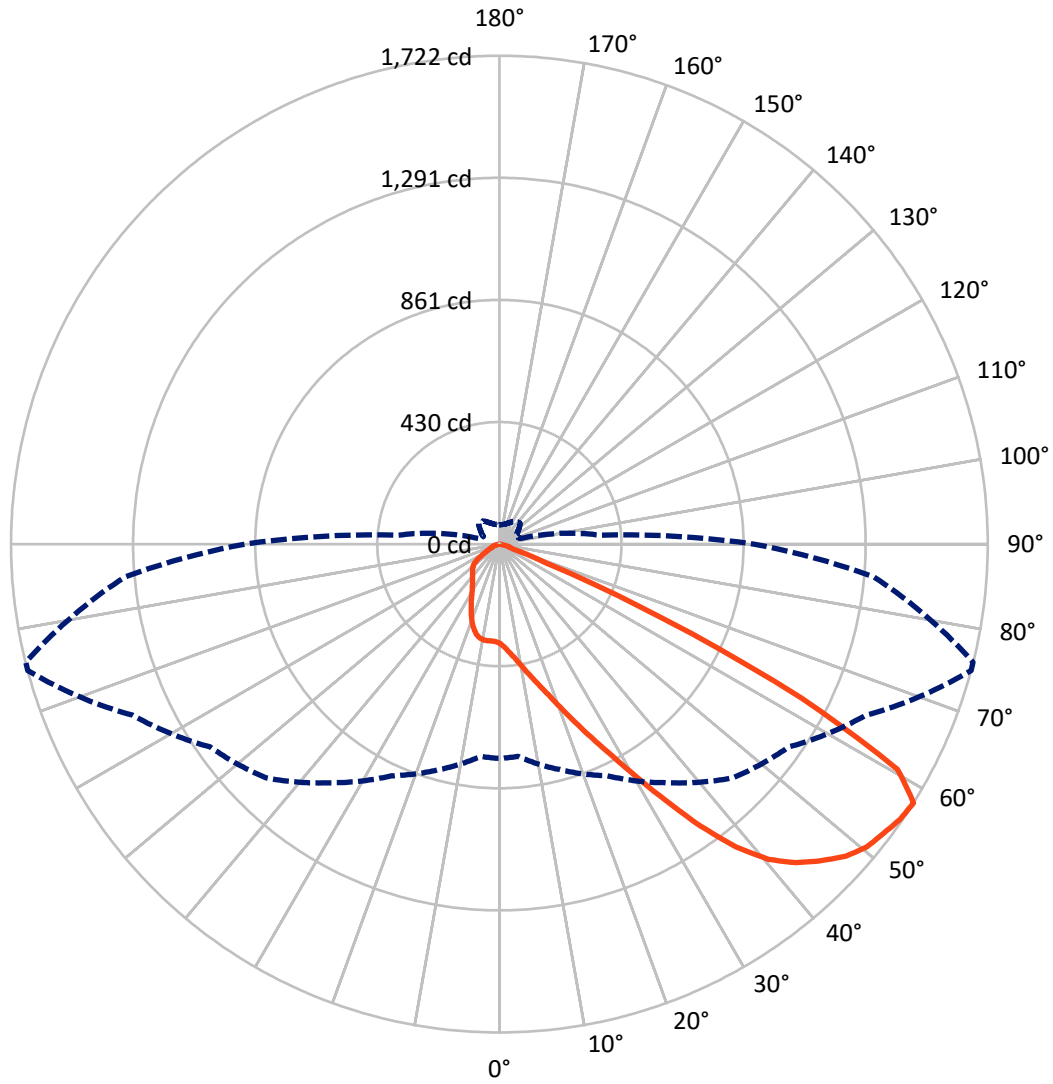
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 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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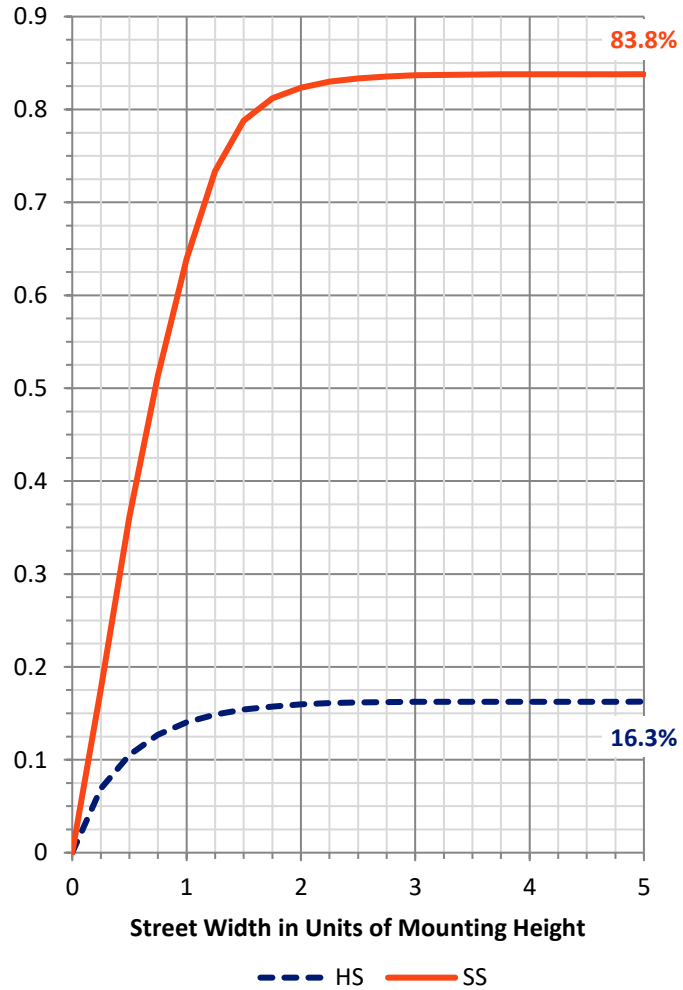
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	343.0	0.0	343.0
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	1756.7	0.0	1756.7
	% Fixture	83.7	0.0	83.7
Total	Lumens	2099.7	0.0	2099.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.6	1.7
10°-20°	115.8	5.5
20°-30°	212.0	10.1
30°-40°	351.7	16.7
40°-50°	537.1	25.6
50°-60°	603.6	28.7
60°-70°	222.6	10.6
70°-80°	21.3	1.0
80°-90°	0.0	0.0
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°	2099.7	100.0
0°-180°	2099.7	100.0

Coefficient of Utilization



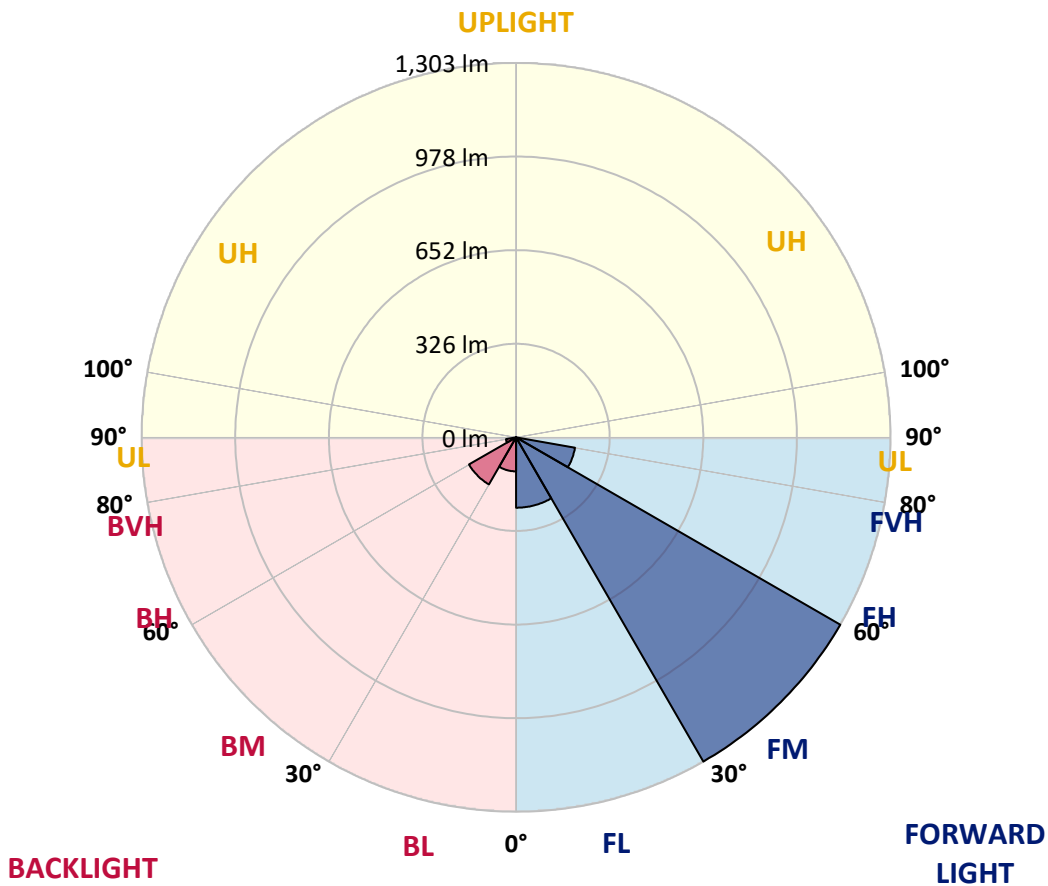
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	245.0	11.7			
FM (30°-60°)	1303.4	62.1			
FH (60°-80°)	208.3	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	118.3	5.6	B1/500		
BM (30°-60°)	189.0	9.0	B0/220		
BH (60°-80°)	35.6	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	350.2	350.2	350.2	350.2	350.2	350.2	350.2	350.2	350.2	350.2	350.2
2.5°	391.3	395.3	394.0	391.5	390.0	384.7	381.4	371.7	364.9	364.1	357.8
5°	440.7	439.9	438.9	435.9	433.3	425.0	415.1	398.9	384.4	382.6	369.2
7.5°	467.8	468.3	468.8	468.3	466.5	460.2	449.3	430.3	408.2	406.7	385.4
10°	478.9	479.9	482.5	487.3	491.6	491.1	484.8	465.2	438.1	435.6	407.0
12.5°	484.3	485.5	489.6	498.7	510.4	519.5	520.5	503.0	473.1	469.0	432.6
15°	491.6	492.9	497.9	509.8	526.8	544.8	556.5	545.3	511.9	507.6	460.7
17.5°	494.9	496.7	504.0	519.7	541.8	569.4	595.7	594.7	557.7	554.4	493.4
20°	501.2	502.5	509.1	526.1	552.7	592.5	636.8	652.8	613.7	608.9	532.9
22.5°	521.2	521.8	524.8	535.4	560.3	609.2	678.6	720.4	679.9	673.5	577.2
25°	553.9	553.7	554.9	556.7	575.0	626.2	718.9	796.7	755.6	748.8	627.4
27.5°	595.5	595.5	598.5	593.5	600.8	647.2	758.7	884.4	843.8	834.2	682.4
30°	644.4	644.1	651.2	643.1	645.4	680.4	801.5	979.9	950.3	938.3	745.8
32.5°	710.8	709.3	717.4	706.2	698.6	730.6	853.7	1079.7	1077.7	1059.5	825.3
35°	794.7	792.1	794.7	783.8	770.1	800.7	922.1	1179.3	1219.1	1199.9	920.1
37.5°	878.0	886.1	888.9	870.2	859.0	889.7	1004.5	1268.5	1354.2	1334.2	1018.7
40°	976.4	973.8	983.5	962.4	955.3	989.3	1085.1	1334.9	1461.1	1442.1	1106.4
42.5°	1048.8	1053.4	1065.3	1053.6	1048.1	1080.0	1152.7	1373.7	1535.4	1516.6	1168.9
45°	1135.7	1139.0	1143.6	1134.0	1128.1	1159.6	1201.6	1390.7	1591.9	1571.6	1211.0
47.5°	1229.8	1232.3	1232.3	1212.5	1193.8	1206.7	1234.3	1400.3	1643.8	1624.3	1242.2
50°	1297.2	1298.4	1309.6	1295.6	1254.8	1234.8	1249.3	1409.7	1678.3	1660.0	1252.3
52.5°	1237.4	1235.8	1272.6	1301.5	1312.4	1272.6	1275.1	1423.4	1695.0	1679.3	1260.4
55°	1042.0	1039.5	1091.1	1161.3	1257.4	1308.3	1306.3	1431.5	1713.5	1703.9	1289.8
57.5°	755.4	751.1	823.0	901.1	1027.0	1165.1	1246.2	1426.9	1721.6	1720.8	1324.0
60°	454.1	450.5	518.5	600.6	697.9	836.7	971.3	1278.2	1613.2	1614.7	1235.1
62.5°	279.5	282.8	344.1	385.9	422.2	464.0	541.8	859.8	1195.0	1204.9	867.9
65°	188.0	190.6	247.3	300.0	300.0	245.3	210.6	411.0	637.6	620.8	410.5
67.5°	126.2	129.0	173.8	235.4	244.3	171.0	85.4	122.6	177.6	172.3	101.6
70°	74.2	77.3	115.8	161.4	177.9	119.1	57.0	51.9	50.4	48.9	39.5
72.5°	33.2	34.5	59.0	82.1	75.0	50.2	40.3	41.6	39.3	38.5	32.2
75°	10.1	10.6	15.2	17.7	18.0	18.0	24.3	32.7	30.9	31.2	24.8
77.5°	2.5	2.5	4.1	3.8	2.0	1.8	4.6	7.3	7.6	6.8	5.1
80°	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	350.2	350.2	350.2	350.2	350.2	350.2	350.2	350.2	350.2	350.2	350.2
2.5°	355.0	348.4	344.1	338.0	333.7	329.2	325.1	321.8	320.0	319.5	319.8
5°	363.1	352.7	342.6	330.9	322.8	315.2	309.1	304.3	302.1	301.3	301.3
7.5°	375.5	361.1	343.1	324.9	311.2	299.3	292.2	286.9	284.8	284.3	282.8
10°	391.8	372.0	342.3	314.0	294.7	282.3	277.2	275.7	276.5	276.7	276.5
12.5°	411.3	383.4	337.5	298.0	277.2	269.6	270.1	274.2	278.7	281.0	281.5
15°	432.0	393.8	326.6	279.0	262.3	262.0	269.4	278.7	287.6	291.4	292.4
17.5°	455.4	402.1	309.9	258.7	249.3	256.7	269.9	284.3	296.2	302.6	303.8
20°	481.0	409.0	288.6	239.7	237.9	251.1	269.4	287.1	301.8	308.9	310.2
22.5°	507.6	413.8	264.0	222.2	227.6	244.8	264.6	281.8	295.7	303.8	304.8
25°	538.0	414.3	239.0	207.5	217.9	236.2	252.9	267.1	278.7	285.8	286.6
27.5°	564.6	408.2	216.7	195.6	209.1	225.5	236.7	244.5	252.6	256.7	256.9
30°	595.2	397.6	195.6	186.0	199.9	212.4	217.9	219.7	220.5	221.2	220.2
32.5°	631.7	384.7	179.9	176.6	189.5	197.9	199.4	195.9	191.6	185.5	184.0
35°	676.6	373.0	167.0	167.5	178.1	183.2	181.9	174.3	166.0	158.6	157.4
37.5°	725.2	363.1	157.1	158.6	165.7	169.3	165.5	157.1	153.3	147.0	147.2
40°	768.3	355.0	148.2	149.8	153.1	156.3	150.3	144.7	151.8	151.3	151.8
42.5°	799.0	348.2	140.6	139.9	142.2	144.4	139.9	137.1	149.0	145.7	147.5
45°	817.0	341.8	134.3	129.7	133.3	137.3	134.3	130.8	134.8	119.6	118.3
47.5°	829.1	338.3	128.7	119.9	126.2	133.3	127.0	118.3	112.5	99.3	98.3
50°	830.4	336.5	122.1	109.7	117.8	125.4	118.1	106.2	97.8	92.0	91.2
52.5°	837.0	340.1	113.0	96.8	105.7	117.8	112.8	100.9	89.5	84.4	83.4
55°	866.4	355.0	97.8	79.1	92.0	112.0	108.5	90.0	79.1	76.0	75.3
57.5°	896.8	358.1	77.0	62.6	80.1	103.6	99.1	82.9	72.2	68.7	67.9
60°	820.0	295.0	57.8	51.7	70.7	95.8	91.7	78.6	66.1	61.8	61.1
62.5°	538.7	159.4	45.9	43.8	59.5	81.1	83.6	71.0	59.0	54.5	54.2
65°	248.3	74.0	35.2	34.7	46.6	64.6	72.0	62.1	49.9	45.9	45.9
67.5°	67.7	36.7	27.6	25.6	31.7	43.3	52.5	46.4	35.5	30.7	30.4
70°	33.7	29.6	24.8	22.0	22.8	26.9	30.9	25.8	18.0	14.7	14.4
72.5°	27.6	24.3	21.0	18.8	17.2	16.5	16.0	12.9	8.4	6.3	6.1
75°	20.5	17.5	15.0	12.2	10.4	9.6	8.6	6.3	3.5	2.0	1.8
77.5°	4.6	4.3	4.1	3.0	2.8	2.3	1.8	1.3	0.5	0.0	0.0
80°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)