

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: P628653

Luminaire Tested: GWS-SA1A-722-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628653
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-722-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1293.5 lumens
Efficiency: N/A
Efficacy: 65.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

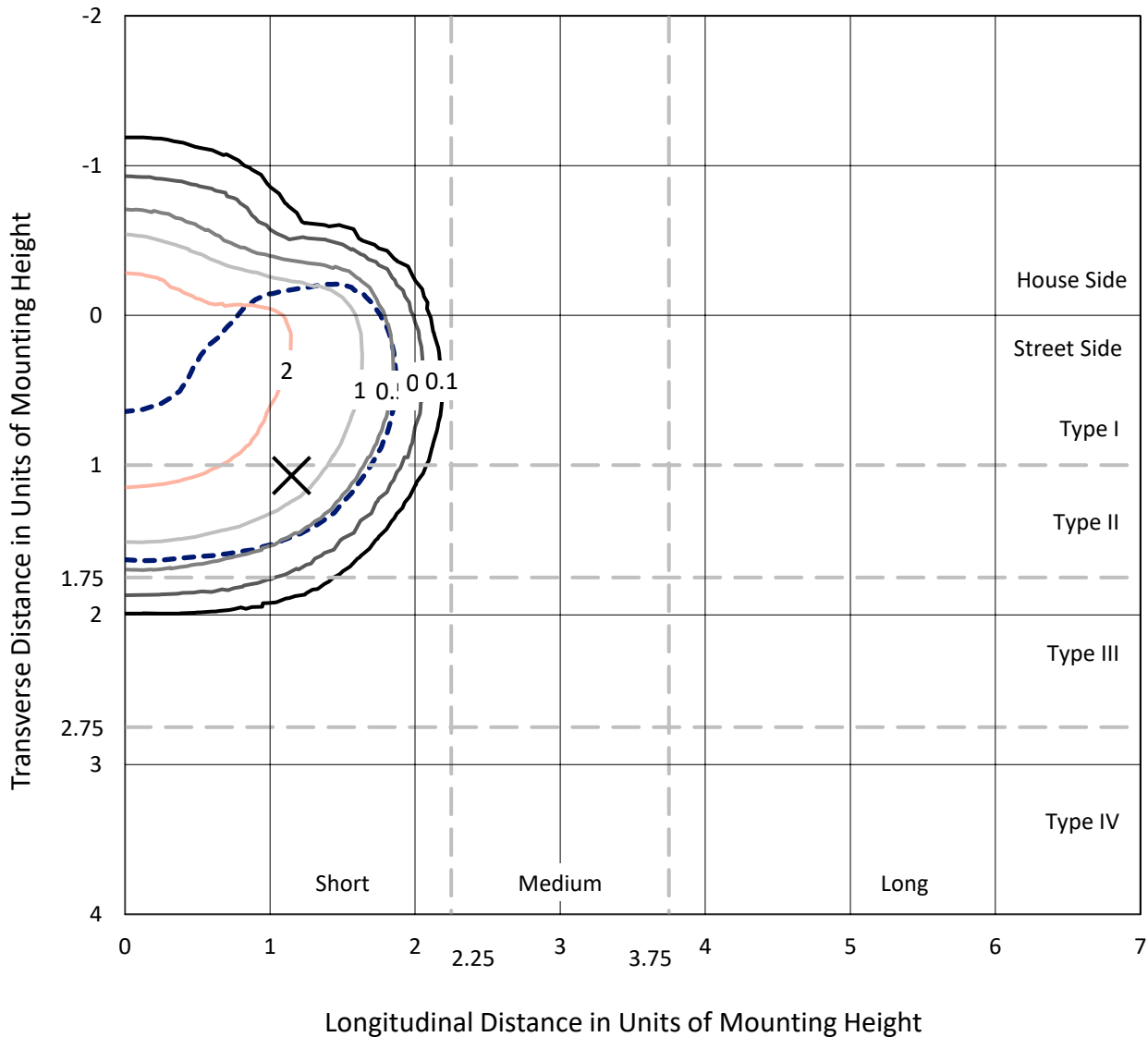
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

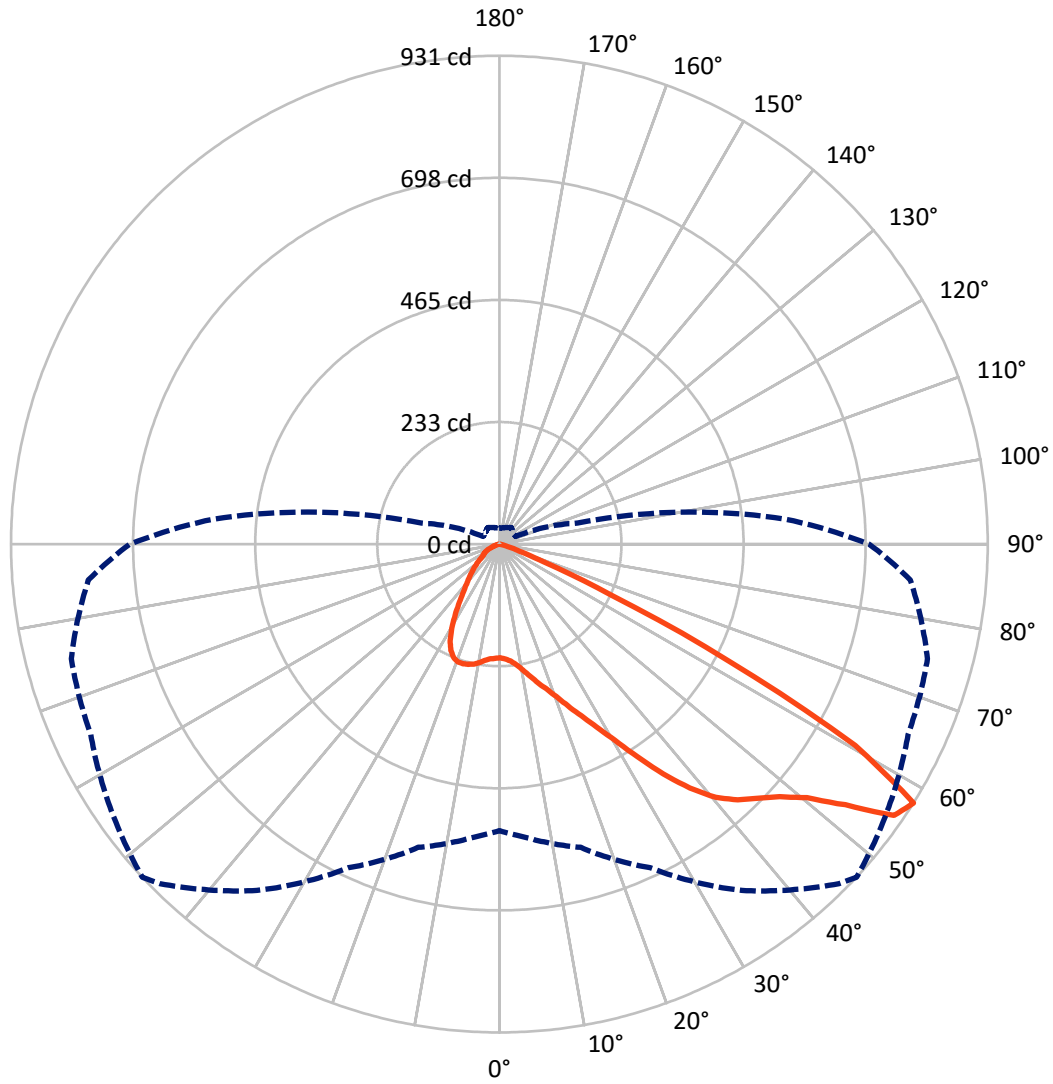
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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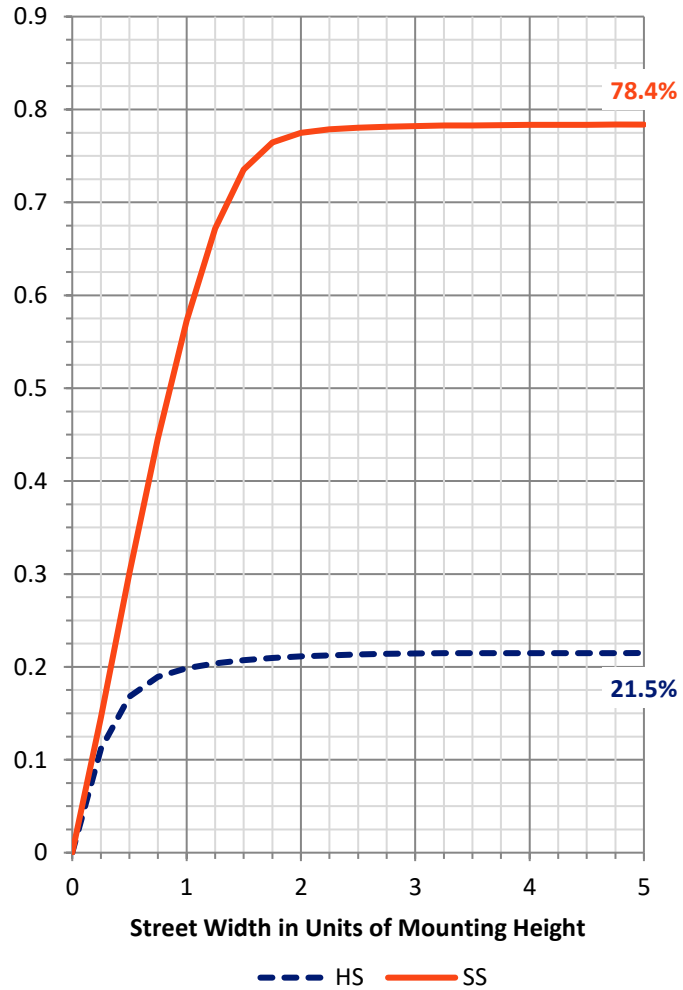
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	280.6	0.0	280.6
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	1012.9	0.0	1012.9
	% Fixture	78.3	0.0	78.3
Total	Lumens	1293.5	0.0	1293.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.5	1.7
10°-20°	72.7	5.6
20°-30°	135.0	10.4
30°-40°	216.1	16.7
40°-50°	315.8	24.4
50°-60°	389.8	30.1
60°-70°	130.2	10.1
70°-80°	12.2	0.9
80°-90°	0.3	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°	1293.5	100.0
0°-180°	1293.5	100.0

Coefficient of Utilization



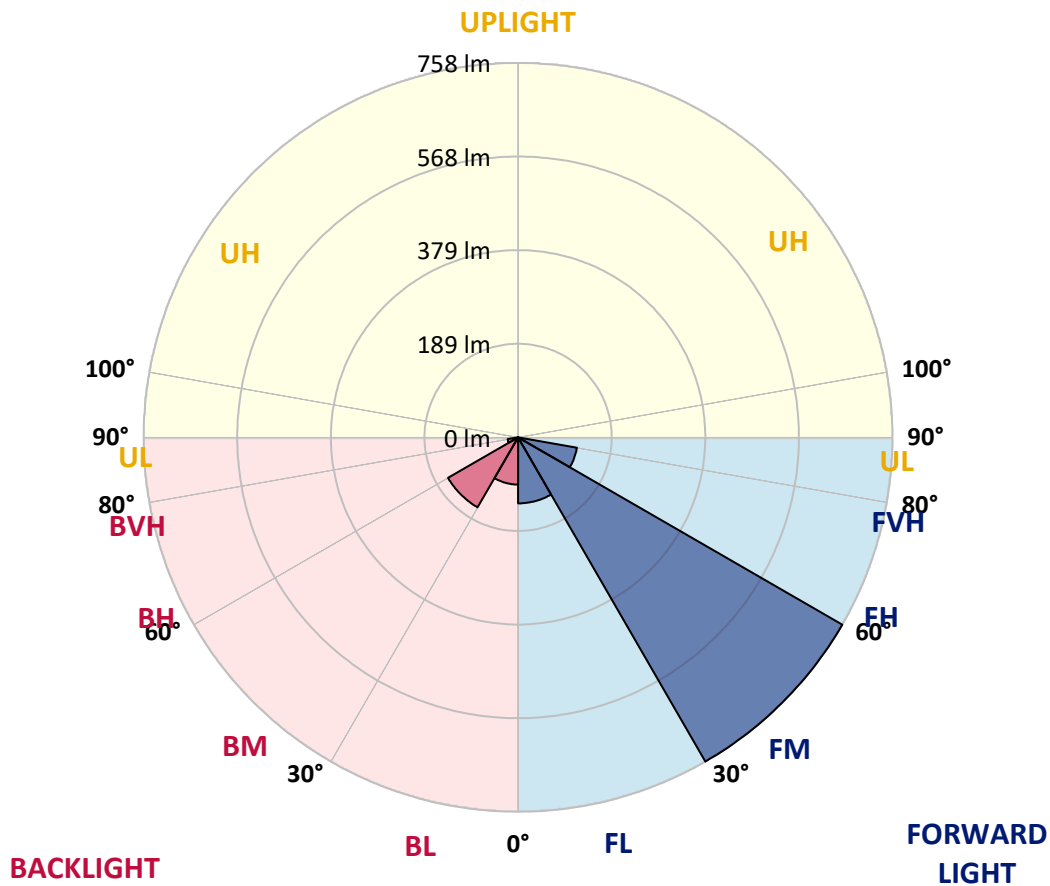
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	133.7	10.3			
FM (30°-60°)	758.0	58.6			
FH (60°-80°)	121.0	9.4			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	95.5	7.4	B0/110		
BM (30°-60°)	163.7	12.7	B0/220		
BH (60°-80°)	21.3	1.6	B0/110		G0/110
BVH (80°-90°)	0.1	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	216.5	216.5	216.5	216.5	216.5	216.5	216.5	216.5	216.5	216.5	216.5
2.5°	218.8	218.6	218.5	219.4	219.1	218.9	219.2	219.2	219.2	218.3	216.5
5°	224.0	224.0	223.9	224.8	224.0	223.6	223.7	223.7	223.1	221.5	219.2
7.5°	232.3	232.0	231.7	232.6	231.8	231.7	232.0	231.1	230.0	227.3	224.2
10°	244.2	244.2	243.7	244.6	244.0	243.7	243.7	243.1	241.2	237.0	232.3
12.5°	260.5	259.8	258.7	258.0	257.7	257.5	257.7	256.8	254.7	249.3	242.8
15°	278.4	277.8	276.1	274.9	273.3	273.0	273.9	273.1	271.0	263.7	254.5
17.5°	300.9	301.7	297.5	294.9	290.1	289.8	290.1	291.3	289.8	280.4	267.0
20°	320.1	320.7	317.6	315.8	311.4	309.5	310.1	312.0	310.4	299.3	280.7
22.5°	340.7	341.5	338.2	334.4	332.5	332.5	334.7	337.4	335.2	320.6	296.3
25°	365.3	365.9	363.2	358.3	354.8	359.2	362.5	369.7	365.9	346.1	314.7
27.5°	393.6	393.7	389.8	384.7	382.9	391.0	394.3	405.4	403.9	374.8	334.3
30°	423.8	423.9	423.0	419.6	417.9	428.6	433.1	449.1	448.1	410.4	360.8
32.5°	455.1	455.1	456.8	456.5	458.4	475.9	483.1	501.4	500.3	453.9	393.9
35°	486.7	486.8	489.7	496.9	505.0	528.1	537.6	559.8	557.4	506.0	436.1
37.5°	522.6	521.1	525.0	535.8	553.8	580.5	589.5	610.7	608.0	559.4	491.2
40°	565.8	563.1	563.1	575.7	596.1	626.9	634.6	645.1	635.9	602.4	545.2
42.5°	613.6	611.0	607.7	618.8	635.9	660.0	666.3	663.4	655.9	643.1	606.8
45°	661.9	658.0	660.3	667.0	676.9	688.3	690.7	677.5	674.1	677.7	657.7
47.5°	698.7	696.0	701.6	711.0	719.1	720.8	719.1	700.8	700.5	713.3	693.0
50°	711.0	711.3	726.6	747.4	760.4	761.8	759.5	738.5	735.6	739.4	712.1
52.5°	712.2	713.4	735.8	775.3	810.9	827.1	825.3	802.6	774.7	770.6	740.9
55°	683.2	690.3	721.5	779.2	854.9	906.7	912.7	869.3	827.8	824.4	802.9
57.5°	546.1	560.6	598.2	680.4	805.8	914.9	930.6	899.3	859.2	844.5	786.2
60°	326.5	344.3	380.5	481.3	613.3	752.0	778.9	783.2	764.8	722.3	603.2
62.5°	140.1	138.6	183.2	260.4	364.7	478.0	490.1	509.0	525.1	480.7	366.1
65°	48.1	52.3	72.7	117.4	182.6	221.9	232.8	249.7	272.5	224.9	134.1
67.5°	29.7	31.5	41.9	69.4	98.5	97.0	92.2	89.5	87.1	59.6	36.8
70°	21.6	23.1	29.4	47.8	66.2	46.6	40.4	32.7	36.3	33.5	26.1
72.5°	14.6	15.8	20.3	29.0	33.9	22.7	21.0	23.9	28.8	27.5	21.3
75°	8.7	9.5	11.6	14.1	13.8	11.7	11.9	16.8	22.1	20.6	15.2
77.5°	6.0	6.3	7.7	9.2	6.8	3.6	3.3	4.7	7.5	7.5	5.1
80°	1.5	2.0	2.0	1.2	1.1	0.9	0.9	1.4	2.1	1.5	0.8
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
87.5°	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
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°	216.5	216.5	216.5	216.5	216.5	216.5	216.5	216.5	216.5	216.5	216.5
2.5°	217.6	215.8	217.0	216.7	217.6	217.9	216.5	216.2	216.4	214.6	214.0
5°	219.7	217.6	218.2	217.6	218.6	219.5	219.1	219.7	220.4	219.1	218.5
7.5°	224.2	222.1	221.9	221.0	222.5	223.1	223.0	224.6	226.1	225.2	224.3
10°	232.0	229.1	228.8	228.1	228.5	229.0	227.3	227.6	229.0	227.9	227.5
12.5°	241.6	238.2	237.4	235.6	235.6	233.4	229.7	229.0	230.0	229.3	228.5
15°	252.0	247.3	246.1	243.0	240.0	235.8	232.0	231.1	231.8	230.9	230.3
17.5°	263.5	258.3	254.4	248.8	242.2	237.3	233.1	231.1	229.9	228.1	227.9
20°	274.9	268.0	261.4	252.6	243.9	236.4	229.4	224.3	220.0	217.3	216.2
22.5°	288.2	277.9	267.3	254.8	242.4	230.9	218.8	210.1	202.6	200.0	198.8
25°	302.3	289.1	273.1	256.9	237.3	218.9	202.4	189.5	179.6	176.3	174.9
27.5°	317.9	299.7	279.2	256.5	226.7	201.8	179.9	163.8	154.1	151.1	152.1
30°	337.7	313.5	286.7	251.8	211.0	177.8	152.1	138.6	131.2	128.4	128.5
32.5°	364.1	333.4	297.6	241.9	190.7	150.5	127.9	118.0	113.1	109.3	109.0
35°	402.0	363.5	307.8	226.0	166.1	126.1	109.8	102.0	95.1	90.7	91.4
37.5°	447.3	401.5	313.4	204.5	138.4	107.2	96.1	88.1	80.3	73.9	74.6
40°	501.1	451.2	312.9	176.3	113.2	94.3	84.7	75.4	65.6	59.8	60.4
42.5°	561.0	498.2	303.2	146.4	93.9	83.8	73.7	62.0	52.6	49.0	49.1
45°	613.0	536.4	286.1	115.5	79.0	73.6	62.3	50.3	46.1	43.5	43.4
47.5°	651.4	564.3	261.6	90.8	67.0	64.3	51.2	45.0	41.7	39.6	39.3
50°	672.9	574.1	234.6	71.2	56.6	54.5	45.8	40.8	38.6	37.2	36.9
52.5°	701.7	585.8	215.2	56.2	47.5	44.6	42.2	38.0	36.5	35.4	35.0
55°	747.4	608.5	198.4	44.6	39.5	38.9	39.8	36.3	35.4	33.8	33.2
57.5°	704.4	546.6	154.1	34.5	33.3	35.6	38.4	34.7	32.4	30.9	30.3
60°	495.7	363.4	77.5	27.8	29.7	33.3	36.2	31.4	29.1	29.4	29.1
62.5°	273.3	181.8	34.8	23.3	25.8	29.4	30.9	27.2	25.7	28.2	28.7
65°	89.3	61.9	20.1	18.0	20.4	24.0	26.7	25.8	25.5	28.5	29.4
67.5°	27.5	20.4	13.7	12.9	14.1	17.7	22.5	27.9	30.0	30.9	31.4
70°	20.6	16.1	11.7	11.0	11.6	13.5	19.1	23.3	21.9	22.1	21.8
72.5°	16.5	12.8	10.1	9.6	9.6	9.3	10.1	12.6	14.3	15.0	15.0
75°	11.6	9.0	7.7	7.1	5.6	4.5	4.1	4.1	3.6	3.5	3.3
77.5°	3.9	3.3	3.0	2.4	1.7	1.4	1.2	1.1	0.8	0.5	0.3
80°	0.6	0.5	0.3	0.3	0.3	0.2	0.2	0.2	0.0	0.0	0.0
82.5°	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0
85°	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.0	0.0	0.0	0.0
87.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	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)