

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: P628896

Luminaire Tested: GWS-SA1A-750-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628896
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-750-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2439.4 lumens
Efficiency: N/A
Efficacy: 123.8 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

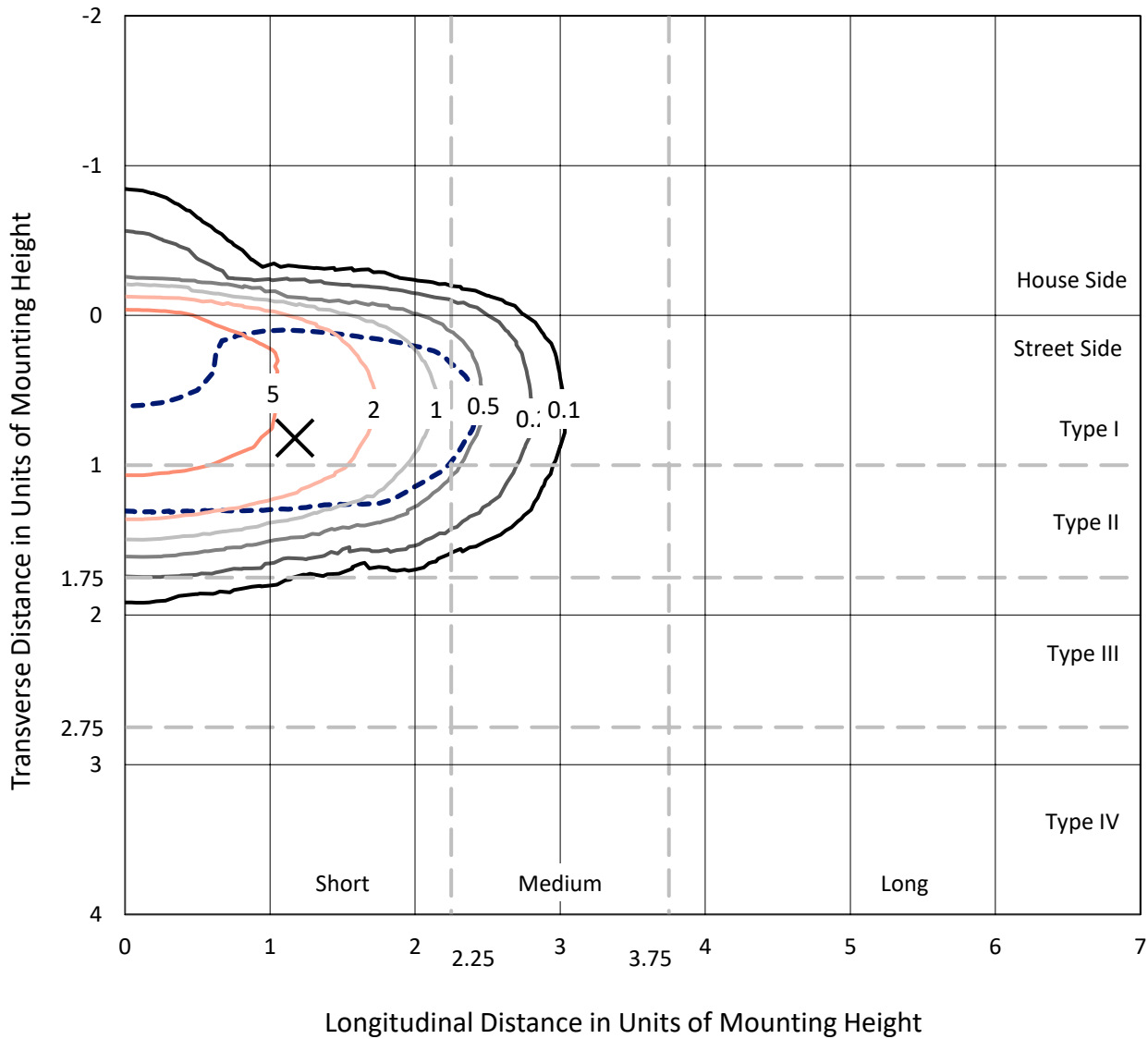
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

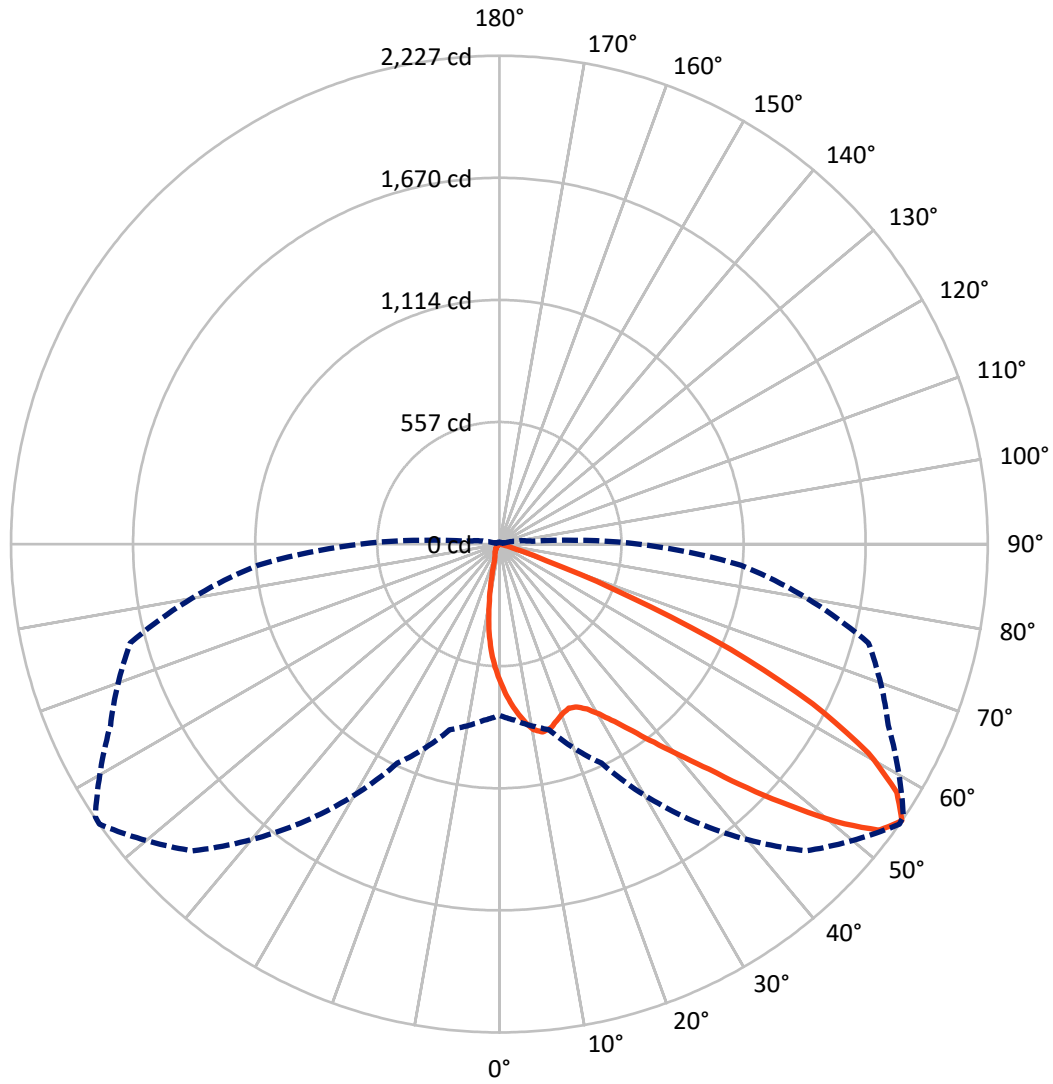
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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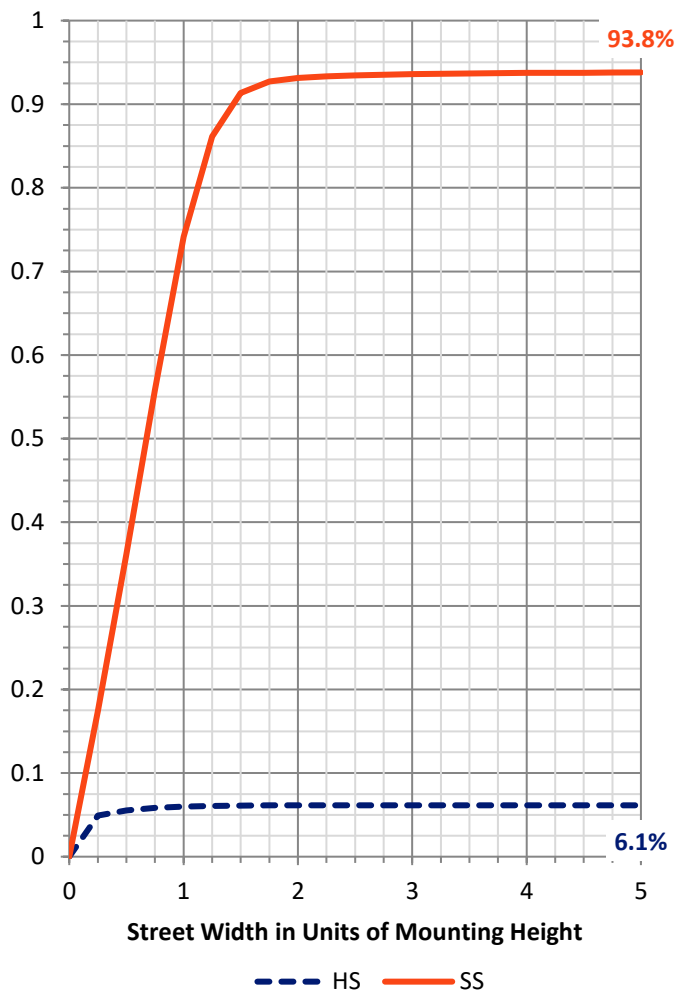
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	150.5	0.0	150.5
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	2288.9	0.0	2288.9
	% Fixture	93.8	0.0	93.8
Total	Lumens	2439.4	0.0	2439.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.7	2.3
10°-20°	134.3	5.5
20°-30°	223.6	9.2
30°-40°	381.1	15.6
40°-50°	622.0	25.5
50°-60°	651.2	26.7
60°-70°	328.5	13.5
70°-80°	41.5	1.7
80°-90°	1.6	0.1
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°	2439.4	100.0
0°-180°	2439.4	100.0

Coefficient of Utilization

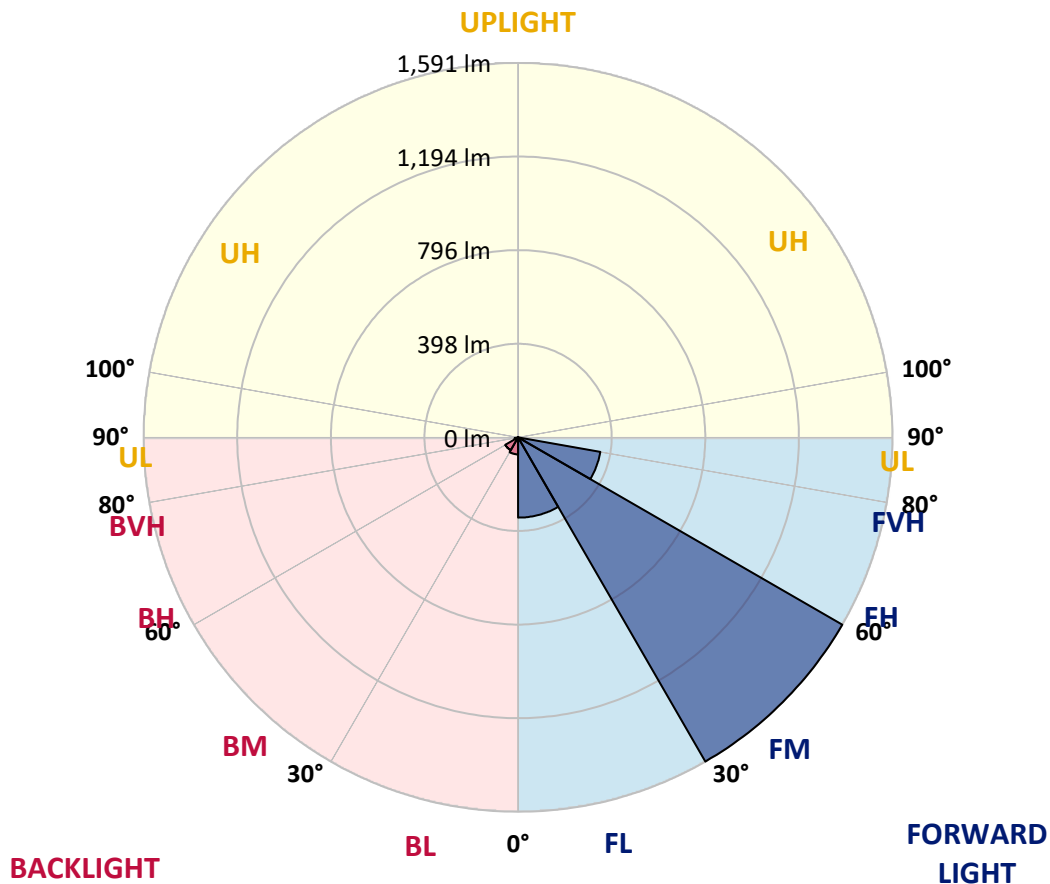


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	341.2	14.0			
FM (30°-60°)	1591.4	65.2			
FH (60°-80°)	354.9	14.5			G0/660
FVH (80°-90°)	1.4	0.1			G0/10
BL (0°-30°)	72.3	3.0	B0/110		
BM (30°-60°)	62.9	2.6	B0/220		
BH (60°-80°)	15.1	0.6	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°	55°	56°	65°	75°	85°
0°	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2
2.5°	734.7	731.1	736.6	730.3	719.7	710.7	699.0	694.8	676.1	658.4	641.3
5°	823.9	825.0	823.3	814.5	799.5	782.8	759.3	754.1	721.3	687.5	651.1
7.5°	846.0	845.4	849.0	852.3	849.8	841.4	815.8	810.6	769.9	719.2	666.1
10°	777.8	778.3	785.6	808.1	836.0	865.0	861.0	858.1	818.3	755.1	682.7
12.5°	681.5	685.3	693.0	725.1	772.4	838.3	879.2	882.1	862.7	794.5	702.4
15°	639.8	640.6	646.9	666.3	701.5	782.8	871.5	879.6	899.8	834.1	723.6
17.5°	638.7	639.8	642.5	651.1	674.0	739.3	846.7	860.8	927.8	876.7	749.1
20°	678.0	677.3	675.5	670.9	680.9	724.9	823.7	839.4	943.0	918.2	774.7
22.5°	749.1	748.2	739.9	720.9	712.8	738.0	812.5	826.6	952.2	955.1	795.8
25°	831.0	836.9	821.2	792.4	772.4	771.6	822.5	832.5	960.1	987.8	810.2
27.5°	920.9	922.8	909.4	877.1	848.1	825.4	851.5	859.0	968.9	1017.0	818.3
30°	1019.5	1018.9	1003.7	966.2	930.9	898.2	900.3	903.2	989.3	1050.4	827.3
32.5°	1142.8	1145.5	1118.4	1067.3	1025.0	979.7	964.1	964.5	1026.2	1093.4	840.8
35°	1310.2	1303.6	1267.7	1194.9	1122.8	1074.0	1047.3	1045.0	1083.1	1151.1	864.4
37.5°	1469.8	1470.4	1432.9	1352.8	1261.6	1184.7	1147.0	1140.7	1163.2	1231.2	903.6
40°	1580.5	1582.6	1566.9	1525.0	1428.5	1319.6	1264.1	1257.7	1267.1	1332.5	954.9
42.5°	1639.1	1644.9	1649.3	1659.1	1585.9	1488.1	1402.8	1402.2	1392.4	1448.1	1014.3
45°	1641.4	1650.2	1676.8	1743.8	1752.1	1680.4	1587.6	1573.6	1535.9	1571.7	1067.5
47.5°	1550.7	1570.9	1627.6	1760.3	1847.8	1871.6	1779.7	1771.1	1665.2	1669.5	1107.3
50°	1339.2	1360.3	1464.8	1675.8	1872.0	2023.4	1990.5	1972.8	1773.2	1734.2	1126.5
52.5°	1122.3	1141.5	1212.4	1474.8	1771.7	2071.2	2168.2	2147.1	1870.2	1756.7	1118.6
55°	781.0	806.6	875.9	1102.3	1540.7	1978.2	2227.0	2222.6	1956.7	1742.5	1106.3
57.5°	382.9	408.3	477.3	679.6	1141.3	1727.1	2137.1	2160.2	2008.4	1727.3	1096.3
60°	159.9	170.4	194.1	298.2	638.5	1305.2	1934.2	1966.3	1976.7	1706.7	1095.2
62.5°	92.8	94.5	97.0	123.7	248.4	748.2	1604.5	1650.2	1810.1	1679.3	1078.8
65°	70.1	70.7	69.7	75.9	102.6	283.8	1159.3	1221.4	1510.8	1572.6	1013.7
67.5°	57.6	57.6	54.8	56.1	64.4	106.4	640.0	726.8	1118.0	1292.5	837.1
70°	45.9	46.9	45.7	44.0	46.1	58.8	227.7	282.4	651.1	763.2	488.2
72.5°	34.8	34.8	36.9	35.7	34.2	36.9	79.5	89.3	261.3	318.2	176.2
75°	26.9	27.7	29.2	27.9	25.9	21.9	38.2	40.5	78.8	74.0	39.4
77.5°	13.8	14.0	18.6	20.4	19.2	13.3	16.7	18.4	25.7	22.9	14.6
80°	8.3	8.8	10.4	16.1	12.7	7.1	6.9	7.3	12.1	10.4	6.0
82.5°	3.5	3.8	5.8	5.8	5.2	2.7	2.7	2.7	5.8	5.4	2.5
85°	0.0	0.0	1.0	0.8	0.8	1.0	1.0	1.0	1.5	2.1	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.6
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°	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2
2.5°	630.2	616.9	598.9	582.7	560.8	548.5	531.4	517.4	505.5	501.7	500.1
5°	630.4	607.5	569.1	530.7	483.6	446.5	408.3	378.1	353.3	345.3	343.3
7.5°	634.6	600.8	538.7	469.0	390.2	325.1	266.9	214.8	190.6	182.5	180.8
10°	640.2	595.2	503.4	395.0	281.7	198.1	140.3	107.0	91.1	82.4	83.6
12.5°	647.5	590.6	464.4	314.9	186.4	108.9	77.2	64.6	61.3	59.6	58.8
15°	657.3	585.2	416.0	235.4	114.3	70.1	59.4	56.1	54.8	54.0	53.8
17.5°	667.3	578.9	366.8	165.6	75.9	58.2	53.4	51.7	50.9	50.3	50.0
20°	678.0	568.3	309.1	114.1	59.9	52.3	49.2	47.3	46.3	45.3	45.0
22.5°	682.5	551.2	253.8	79.9	53.2	48.2	44.2	41.9	40.7	39.8	39.8
25°	678.2	523.4	196.7	60.7	48.4	43.6	39.6	37.1	36.1	35.2	35.2
27.5°	666.5	487.8	143.5	50.3	43.2	38.8	35.0	32.7	31.9	31.5	31.5
30°	653.6	442.7	101.1	43.2	37.3	33.8	30.7	29.2	29.0	28.6	28.6
32.5°	642.5	400.6	69.7	38.0	32.9	29.4	27.3	26.7	26.9	26.5	26.7
35°	636.5	359.3	51.7	33.8	29.4	26.1	25.0	25.0	25.0	24.8	24.8
37.5°	639.0	318.6	42.1	30.9	26.3	23.8	22.7	23.1	23.6	23.6	23.6
40°	651.5	282.6	37.3	28.2	23.6	21.7	20.9	21.5	22.1	22.5	22.5
42.5°	667.3	253.4	33.8	25.9	21.7	19.6	19.2	19.8	20.4	20.9	20.9
45°	677.3	224.0	30.2	22.9	19.8	17.3	17.3	18.1	17.9	18.1	18.1
47.5°	681.9	200.6	26.7	19.8	16.9	15.0	15.2	15.6	15.2	15.6	15.6
50°	670.7	177.0	23.6	16.5	14.0	13.1	13.6	13.3	13.3	14.2	14.2
52.5°	650.0	159.5	20.9	14.0	11.9	11.7	12.1	11.3	11.5	11.5	11.3
55°	634.8	149.5	18.6	12.1	10.2	10.4	10.2	8.8	7.9	7.1	6.9
57.5°	627.3	145.6	16.9	10.8	9.2	9.2	8.3	6.0	4.6	3.5	3.1
60°	625.6	140.8	15.2	9.4	8.1	7.7	6.0	3.5	2.3	1.7	1.5
62.5°	609.8	129.1	13.8	7.5	7.1	6.3	3.8	2.1	1.3	0.8	0.6
65°	557.8	106.1	12.3	5.8	5.4	4.6	2.3	1.3	0.6	0.2	0.0
67.5°	443.8	75.3	10.8	4.4	3.8	2.9	1.5	0.8	0.2	0.0	0.0
70°	255.9	40.7	9.0	3.1	2.5	1.9	1.0	0.4	0.0	0.0	0.0
72.5°	85.5	19.0	6.9	2.1	1.9	1.5	0.6	0.2	0.0	0.0	0.0
75°	18.8	11.3	4.6	1.5	1.3	1.0	0.4	0.0	0.0	0.0	0.0
77.5°	7.1	7.9	2.3	1.0	0.8	0.6	0.2	0.0	0.0	0.0	0.0
80°	2.7	5.2	1.0	0.6	0.6	0.2	0.0	0.0	0.0	0.0	0.0
82.5°	1.5	2.1	0.6	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.8	1.0	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.2	0.2	0.2	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)