

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: P630138

Luminaire Tested: GWS-SA1D-722-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630138
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-722-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3279.1 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

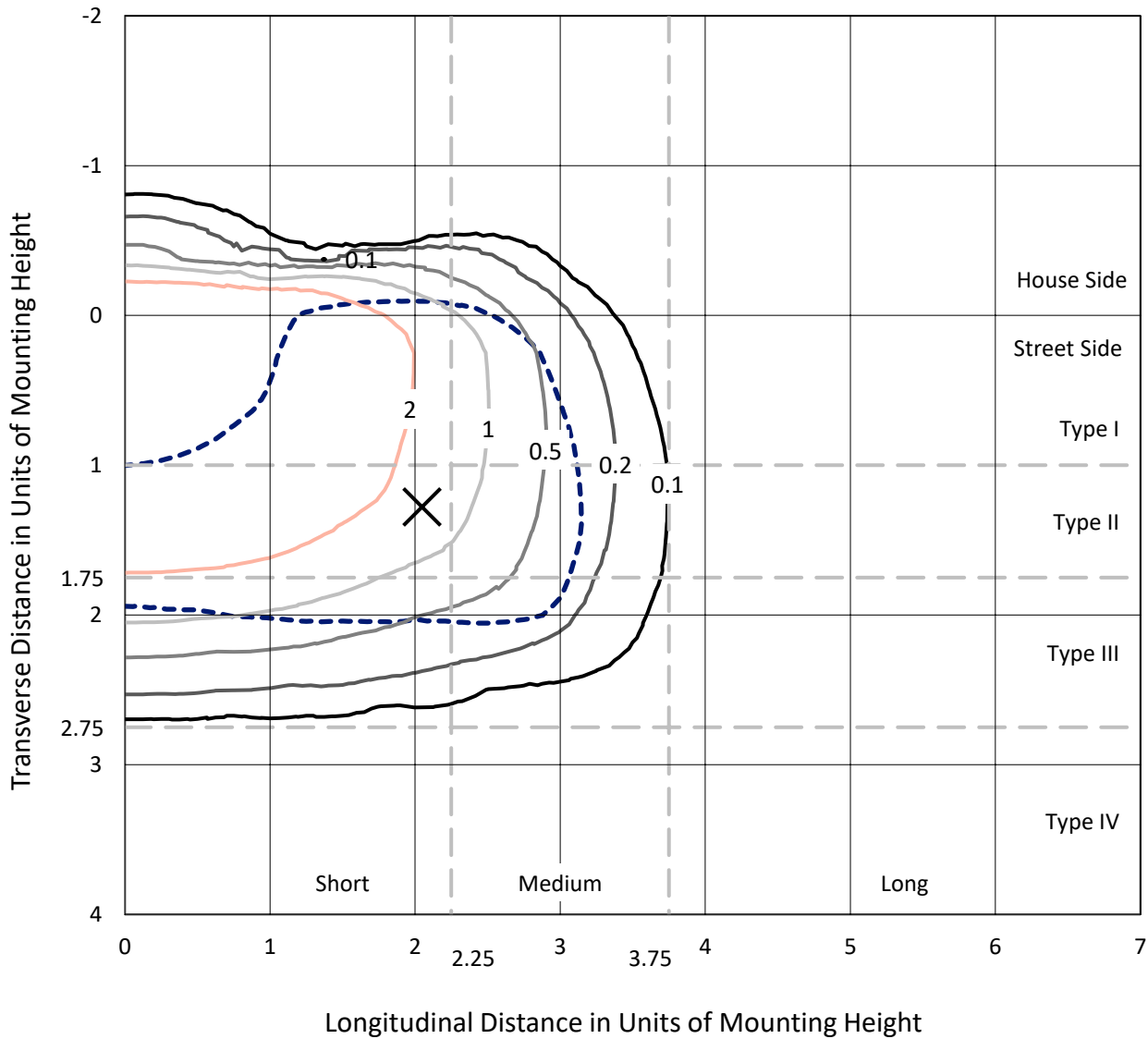
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

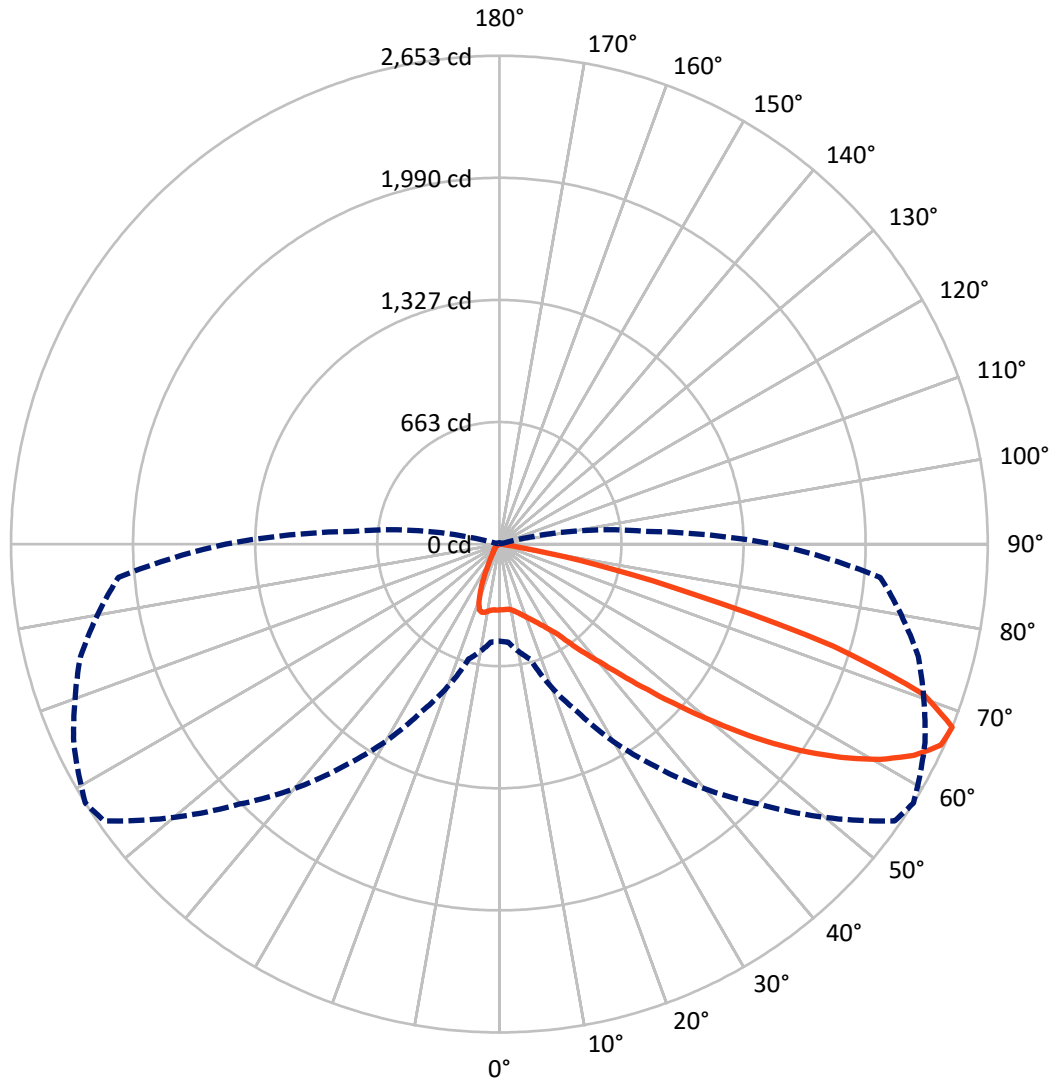
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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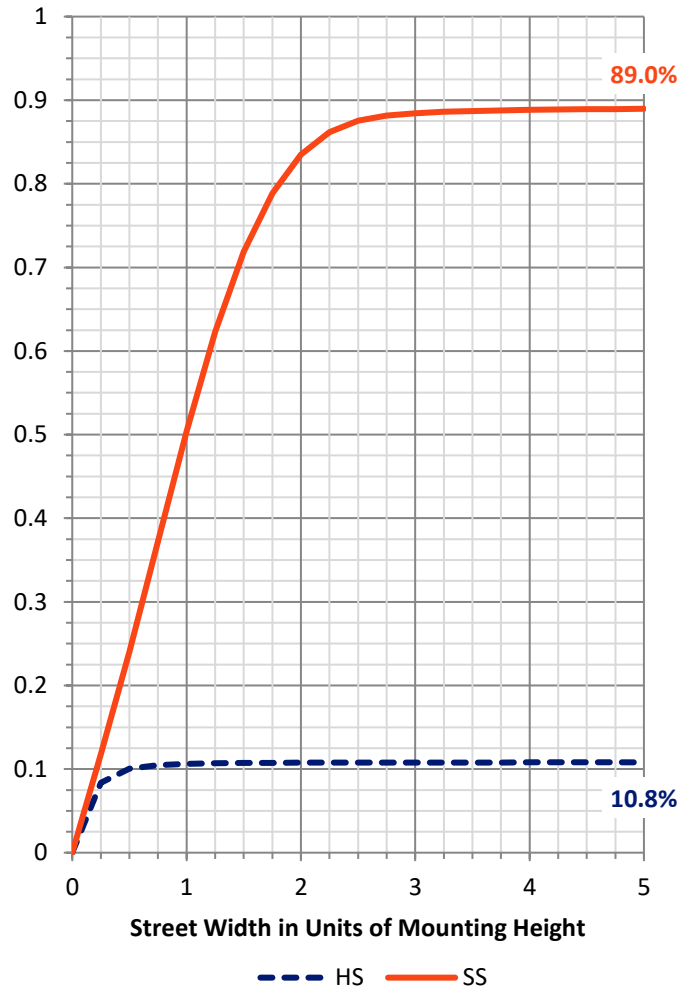
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	357.7	0.0	357.7
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	2921.4	0.0	2921.4
	% Fixture	89.1	0.0	89.1
Total	Lumens	3279.1	0.0	3279.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.6	1.0
10°-20°	94.2	2.9
20°-30°	164.5	5.0
30°-40°	293.8	9.0
40°-50°	537.0	16.4
50°-60°	893.1	27.2
60°-70°	970.0	29.6
70°-80°	284.8	8.7
80°-90°	8.1	0.2
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°	3279.1	100.0
0°-180°	3279.1	100.0

Coefficient of Utilization

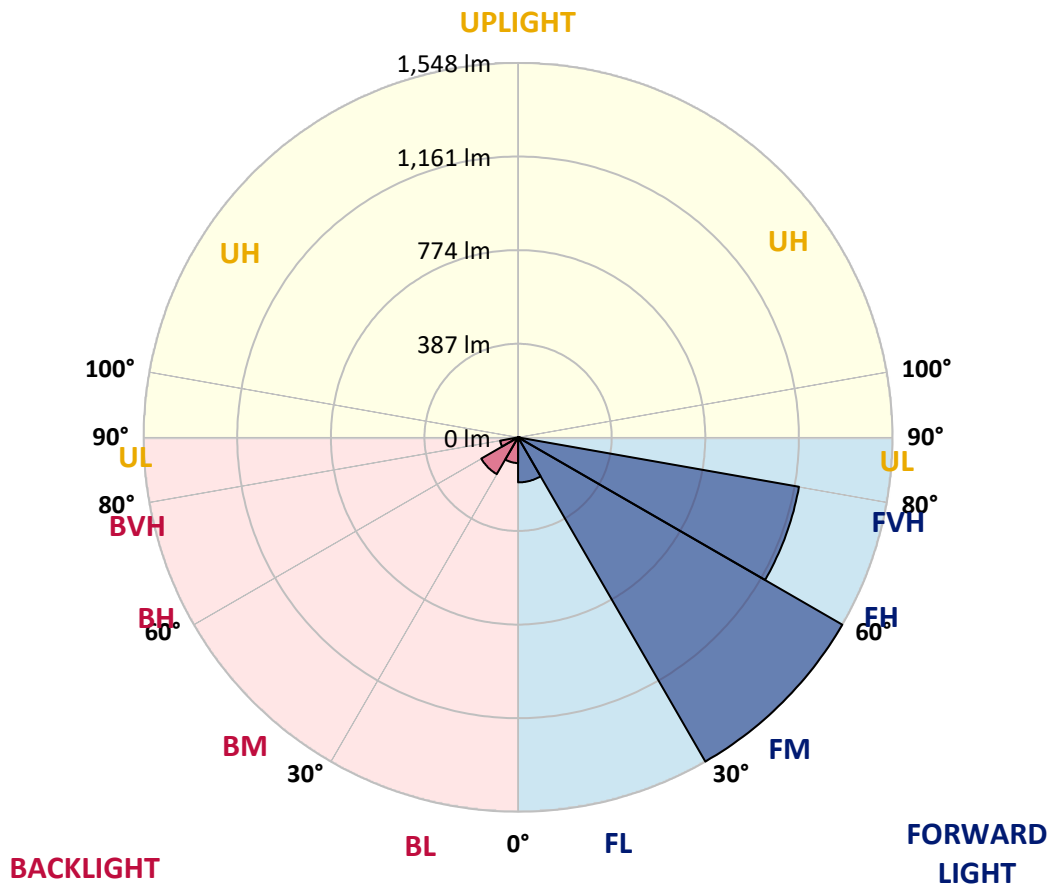


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	186.2	5.7			
FM (30°-60°)	1548.1	47.2			
FH (60°-80°)	1179.3	36.0			G1/1800
FVH (80°-90°)	7.7	0.2			G0/10
BL (0°-30°)	106.1	3.2	B0/110		
BM (30°-60°)	175.7	5.4	B0/220		
BH (60°-80°)	75.5	2.3	B0/110		G0/110
BVH (80°-90°)	0.4	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	357.3	357.3	357.3	357.3	357.3	357.3	357.3	357.3	357.3	357.3	357.3
2.5°	350.6	350.0	350.0	352.5	352.8	354.1	357.0	357.3	358.9	358.3	356.0
5°	332.3	332.7	334.6	339.1	342.9	347.7	354.8	356.4	359.9	361.8	360.5
7.5°	315.4	315.7	318.6	325.6	333.0	342.6	354.1	357.3	364.4	369.5	369.8
10°	309.0	308.7	311.5	319.5	329.1	342.6	359.2	363.4	374.0	382.9	384.5
12.5°	310.9	310.6	313.5	320.8	331.4	348.4	368.2	374.0	387.4	401.2	404.1
15°	318.6	318.3	320.2	326.3	337.8	355.4	379.7	388.4	405.4	422.0	426.5
17.5°	341.6	340.0	338.1	338.8	345.5	363.7	394.5	405.0	426.2	446.0	449.9
20°	382.6	378.5	373.3	366.6	363.4	375.9	411.4	423.6	449.2	471.9	472.6
22.5°	444.4	442.8	431.0	411.4	397.7	398.0	431.3	445.4	476.8	501.7	498.2
25°	530.5	529.6	511.3	479.3	443.5	431.3	456.6	471.0	509.4	536.0	524.8
27.5°	637.5	630.8	609.3	566.1	512.6	474.5	488.6	501.4	544.0	569.0	547.8
30°	730.7	731.0	710.8	665.7	605.5	539.5	527.7	538.9	575.7	601.9	576.3
32.5°	820.3	823.2	801.1	760.4	694.5	624.4	583.7	585.6	616.4	644.8	613.8
35°	903.6	905.8	890.4	855.8	794.4	713.0	661.8	660.9	677.5	706.6	666.0
37.5°	996.7	999.0	983.9	952.9	895.2	814.5	750.5	749.2	756.0	779.6	733.2
40°	1096.0	1100.1	1083.5	1057.2	1002.2	934.0	853.6	842.1	835.4	863.2	820.3
42.5°	1196.5	1202.9	1197.2	1170.9	1123.8	1067.5	987.4	969.5	955.1	990.0	944.5
45°	1321.4	1329.1	1326.5	1306.3	1269.8	1224.1	1148.5	1127.7	1121.0	1153.3	1099.2
47.5°	1441.5	1449.8	1459.1	1454.6	1428.7	1407.5	1323.6	1311.8	1309.9	1344.4	1260.6
50°	1530.8	1538.5	1574.0	1599.6	1617.2	1612.8	1540.1	1522.5	1519.6	1541.7	1430.9
52.5°	1594.8	1602.2	1651.2	1731.2	1795.9	1831.1	1757.8	1754.0	1738.3	1730.6	1590.3
55°	1644.5	1654.7	1706.3	1827.3	1957.6	2035.7	1989.9	1976.2	1935.8	1891.6	1738.3
57.5°	1654.4	1658.5	1731.2	1894.5	2083.1	2209.6	2209.6	2185.6	2107.8	2046.6	1909.2
60°	1565.4	1578.2	1676.5	1889.1	2136.9	2323.2	2391.8	2375.1	2270.1	2194.9	2073.8
62.5°	1367.8	1382.2	1502.0	1758.8	2083.1	2346.6	2529.8	2527.2	2408.7	2317.5	2210.2
65°	1048.9	1059.5	1163.9	1471.2	1855.8	2256.6	2628.4	2635.4	2518.2	2398.5	2257.3
67.5°	527.0	534.4	647.1	1005.1	1470.9	1997.6	2621.7	2653.0	2551.5	2355.6	2077.7
70°	184.1	191.5	244.6	431.3	895.2	1525.4	2395.0	2446.2	2355.9	2010.7	1532.7
72.5°	63.1	66.6	101.5	160.1	348.4	904.2	1821.2	1898.4	1736.7	1349.9	880.8
75°	35.9	38.1	54.4	86.8	146.0	297.4	1033.2	1080.6	1012.4	735.8	362.4
77.5°	24.3	26.3	33.9	49.3	80.7	95.7	421.4	530.5	462.7	240.1	92.5
80°	14.4	15.7	20.8	29.1	41.3	37.1	90.3	120.1	154.6	71.7	27.9
82.5°	6.7	7.7	13.4	19.2	20.8	15.7	26.6	32.3	43.5	35.2	11.5
85°	0.0	0.0	4.5	8.0	7.7	4.5	7.4	8.0	11.8	17.6	4.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.6	1.0	1.9	3.5	1.9
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°	357.3	357.3	357.3	357.3	357.3	357.3	357.3	357.3	357.3	357.3	357.3
2.5°	358.6	356.4	358.9	357.6	358.9	358.6	356.0	354.4	354.4	351.6	350.6
5°	363.1	360.8	361.5	358.6	358.0	356.4	353.2	351.9	351.9	349.0	348.0
7.5°	373.0	369.5	368.9	363.1	360.5	356.0	350.3	348.0	347.7	344.8	343.9
10°	388.7	384.5	381.7	374.3	366.9	358.0	345.8	335.6	329.8	322.1	321.5
12.5°	407.9	402.8	398.3	387.1	374.9	354.8	318.9	281.4	258.4	240.1	241.4
15°	429.4	424.6	417.5	400.5	375.6	323.1	248.1	190.5	162.3	147.3	146.6
17.5°	452.7	445.7	434.2	411.1	355.4	246.9	161.4	114.0	99.3	94.1	92.9
20°	474.5	465.9	451.5	413.4	297.1	167.1	100.9	88.4	85.8	84.2	84.2
22.5°	497.6	486.7	465.2	396.1	220.9	106.9	85.8	82.9	81.0	78.8	78.4
25°	520.9	506.8	477.7	350.9	144.7	84.2	80.4	77.2	73.6	70.1	69.2
27.5°	540.8	522.5	487.3	283.7	92.9	75.9	73.3	67.9	63.1	59.2	58.6
30°	564.5	541.1	491.5	207.5	73.0	66.9	63.1	57.3	51.5	47.7	46.4
32.5°	596.2	570.6	485.1	135.1	64.7	58.9	52.8	46.1	40.3	36.2	35.5
35°	645.5	615.1	455.6	86.1	58.6	50.9	43.5	36.5	31.7	28.5	27.9
37.5°	705.7	677.5	407.3	64.7	52.5	44.2	35.5	28.8	25.3	23.1	22.4
40°	795.0	755.6	347.4	56.7	46.4	37.5	29.1	23.7	21.1	19.2	18.6
42.5°	910.9	847.8	278.6	51.5	40.7	31.4	23.7	19.5	17.3	16.0	15.7
45°	1046.4	937.8	205.9	46.4	35.2	25.9	19.5	16.0	14.4	13.4	13.1
47.5°	1185.0	1016.6	142.2	41.0	30.1	21.5	16.3	13.8	12.5	11.2	10.9
50°	1332.9	1083.2	97.0	35.5	25.6	17.6	14.1	12.5	10.9	9.9	9.6
52.5°	1441.5	1107.8	67.6	30.7	21.8	15.0	12.5	11.2	9.9	8.6	8.3
55°	1541.7	1107.2	51.2	25.9	18.6	13.1	11.2	9.9	8.6	7.7	7.4
57.5°	1641.6	1098.5	40.3	22.1	16.0	11.8	9.9	8.6	8.0	6.7	6.4
60°	1706.3	1065.9	31.4	18.6	13.8	10.2	8.6	7.7	6.7	5.8	5.4
62.5°	1740.5	1020.4	24.0	14.7	11.2	9.0	7.7	6.7	5.8	4.8	4.5
65°	1694.1	939.7	18.9	11.5	8.6	7.7	6.4	5.4	4.5	3.5	3.2
67.5°	1488.2	792.5	14.7	9.3	6.7	5.8	5.4	4.5	3.2	2.6	2.2
70°	1051.8	542.7	11.5	7.0	5.1	4.5	4.2	3.5	2.6	1.9	1.6
72.5°	577.3	273.8	8.3	5.1	3.8	3.5	3.2	2.9	2.2	1.6	1.6
75°	222.2	75.2	6.1	3.5	2.6	2.6	2.2	2.2	1.9	1.3	1.3
77.5°	58.0	22.4	3.8	2.2	1.6	1.6	1.6	1.3	1.3	1.0	1.0
80°	18.6	7.4	2.2	1.6	1.3	1.0	1.0	0.6	1.0	0.6	0.6
82.5°	6.1	2.6	1.3	1.3	1.0	0.6	0.6	0.3	0.3	0.0	0.0
85°	2.2	1.3	1.0	0.6	0.6	0.6	0.3	0.0	0.0	0.0	0.0
87.5°	1.3	0.6	0.6	0.6	0.6	0.3	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)