

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: P629971

Luminaire Tested: GWS-SA1C-760-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629971  
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-SA1C-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

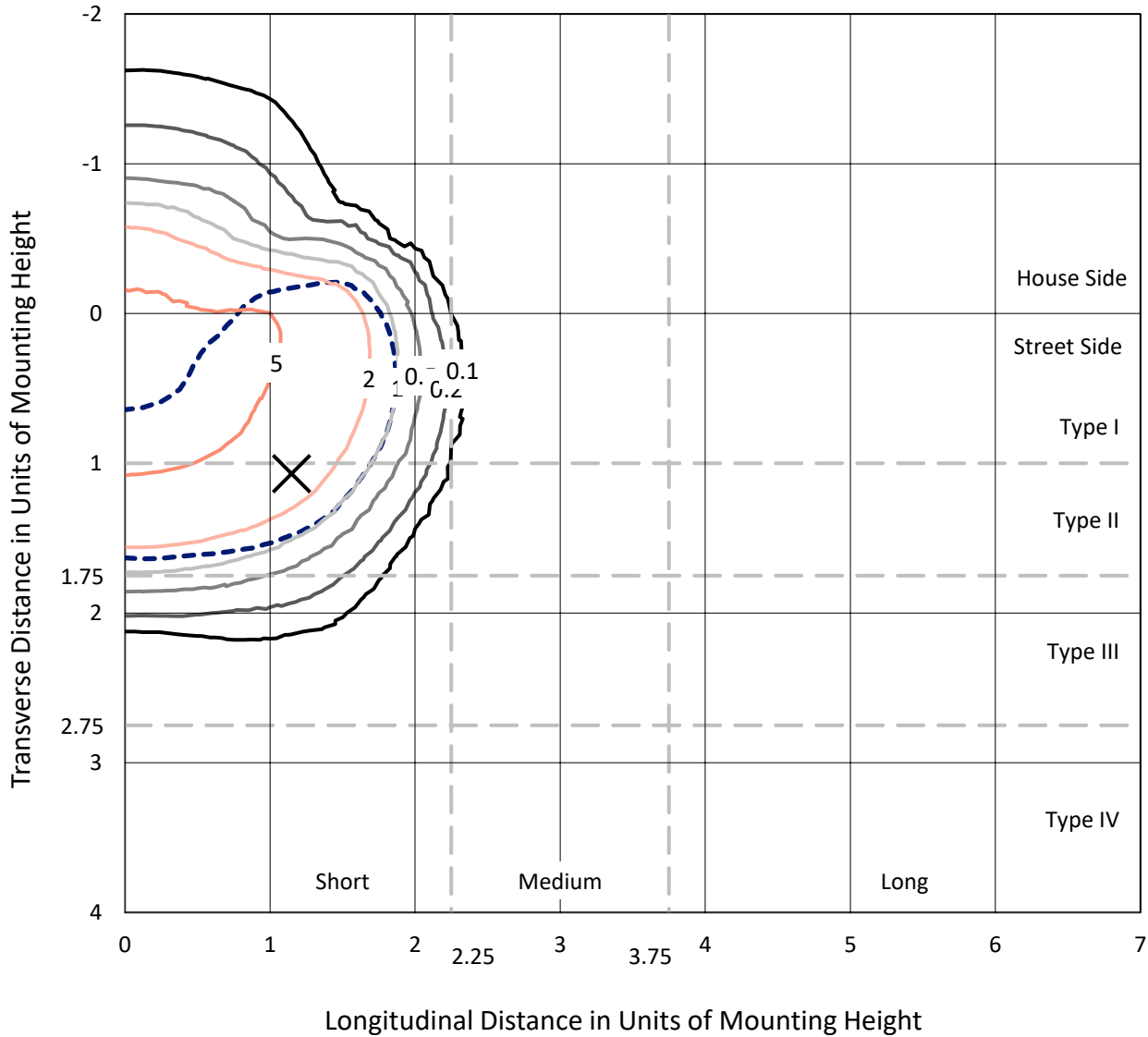
Lumens per Lamp: N/A  
Luminaire Lumens: 2994.5 lumens  
Efficiency: N/A  
Efficacy: 87.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

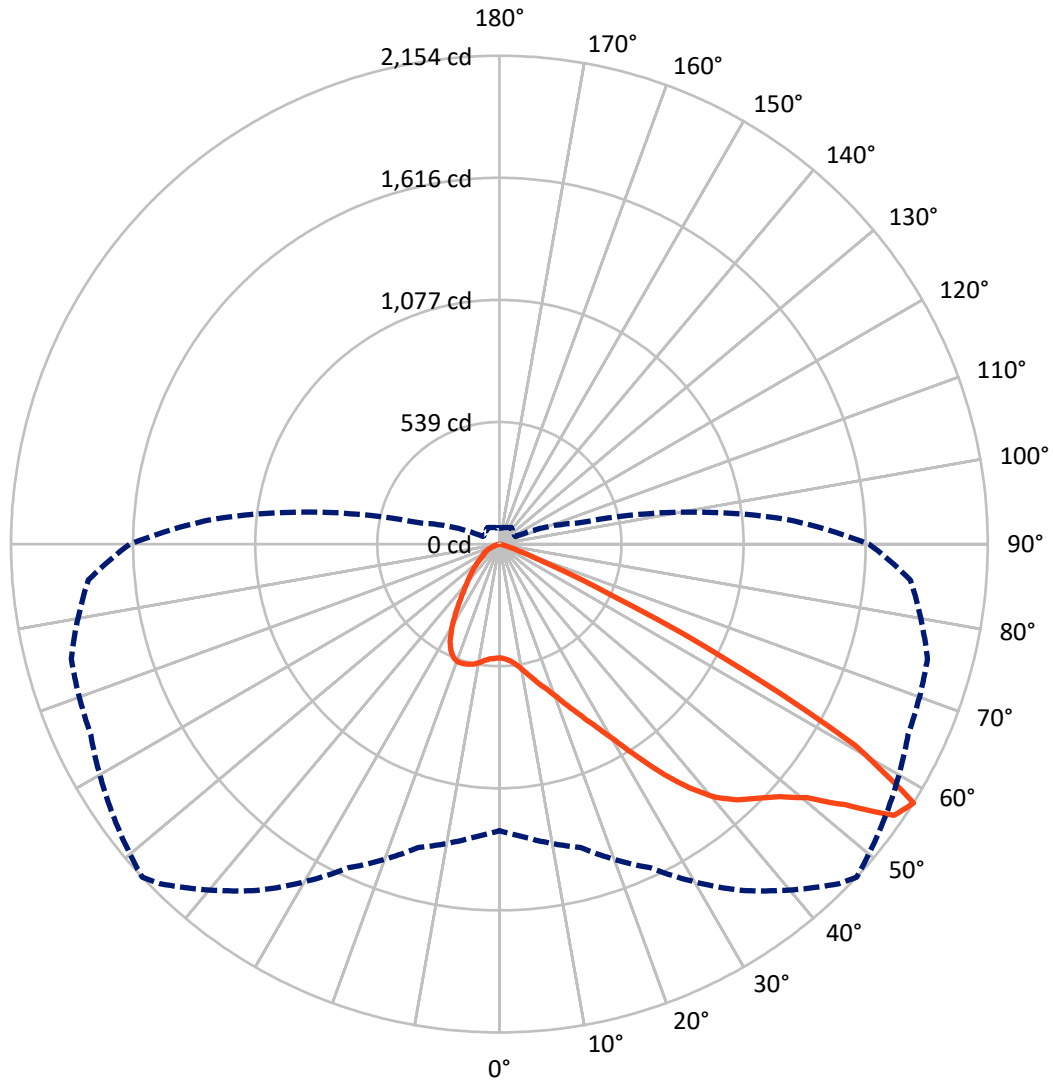
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.1 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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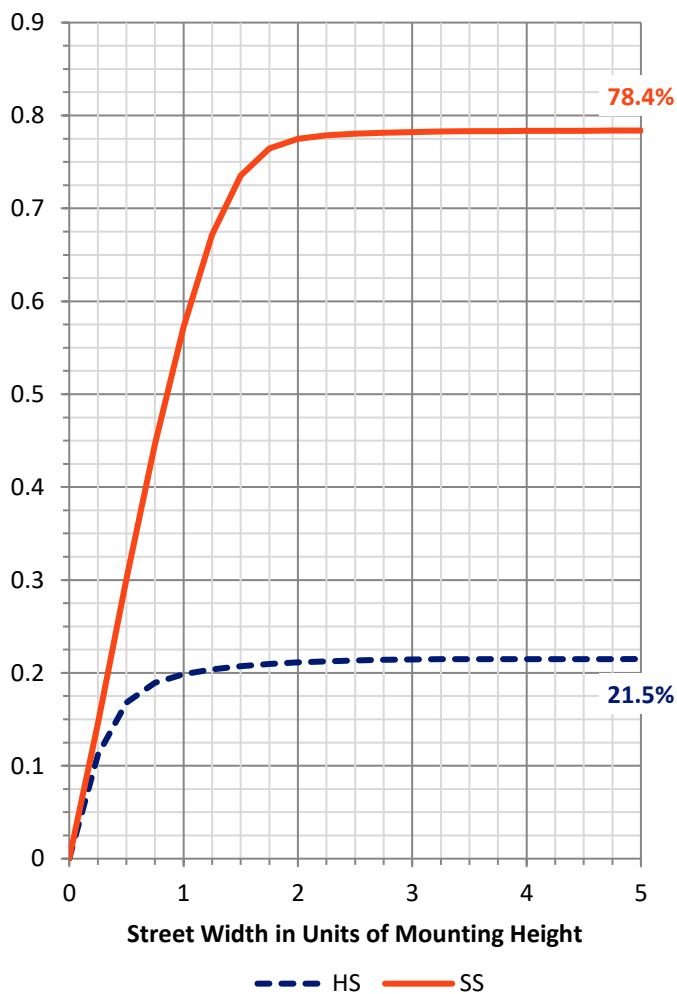
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	649.6	0.0	649.6
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	2344.8	0.0	2344.8
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	2994.5	0.0	2994.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.9	1.7
10°-20°	168.3	5.6
20°-30°	312.5	10.4
30°-40°	500.2	16.7
40°-50°	731.1	24.4
50°-60°	902.4	30.1
60°-70°	301.5	10.1
70°-80°	28.1	0.9
80°-90°	0.6	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°	2994.5	100.0
0°-180°	2994.5	100.0

**Coefficient of Utilization**



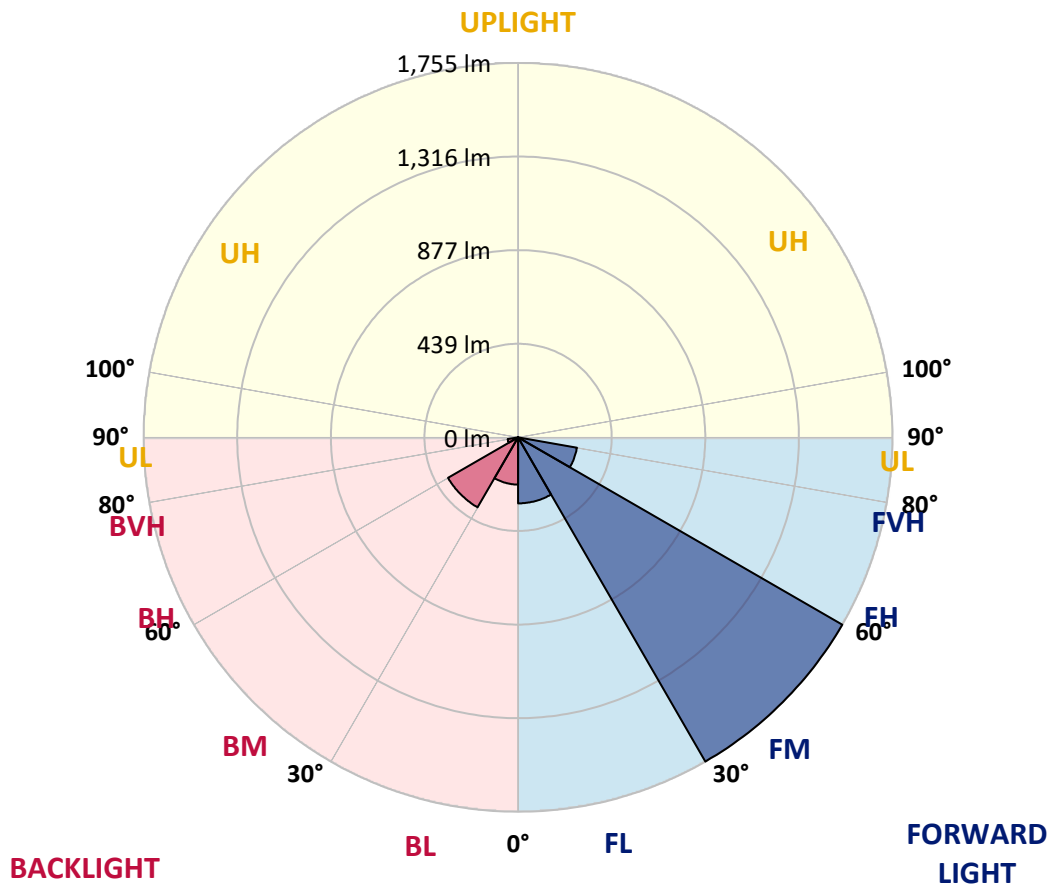
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	309.5	10.3			
FM (30°-60°)	1754.8	58.6			
FH (60°-80°)	280.2	9.4			G0/660
FVH (80°-90°)	0.4	0.0			G0/10
BL (0°-30°)	221.1	7.4	B1/500		
BM (30°-60°)	378.9	12.7	B1/1000		
BH (60°-80°)	49.4	1.6	B0/110		G0/110
BVH (80°-90°)	0.2	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°	47°	55°	65°	75°	85°
0°	501.3	501.3	501.3	501.3	501.3	501.3	501.3	501.3	501.3	501.3	501.3
2.5°	506.5	506.1	505.8	507.9	507.2	506.8	507.5	507.5	507.5	505.5	501.3
5°	518.7	518.7	518.3	520.4	518.7	517.6	518.0	518.0	516.6	512.8	507.5
7.5°	537.8	537.1	536.4	538.5	536.7	536.4	537.1	535.0	532.6	526.3	519.0
10°	565.2	565.2	564.2	566.3	564.9	564.2	564.2	562.8	558.3	548.6	537.8
12.5°	603.1	601.4	599.0	597.2	596.5	596.2	596.5	594.4	589.6	577.1	562.1
15°	644.5	643.1	639.3	636.5	632.7	632.0	634.1	632.3	627.5	610.4	589.2
17.5°	696.7	698.4	688.7	682.7	671.6	670.9	671.6	674.4	670.9	649.0	618.1
20°	741.1	742.5	735.2	731.1	721.0	716.5	717.9	722.4	718.6	692.8	649.7
22.5°	788.8	790.5	782.9	774.2	769.7	769.7	774.9	781.1	775.9	742.2	685.9
25°	845.8	847.2	840.9	829.4	821.4	831.5	839.2	855.9	847.2	801.3	728.6
27.5°	911.1	911.5	902.4	890.6	886.5	905.2	912.9	938.6	935.1	867.7	773.8
30°	981.0	981.4	979.3	971.3	967.5	992.1	1002.6	1039.8	1037.3	950.1	835.4
32.5°	1053.7	1053.7	1057.5	1056.8	1061.3	1101.6	1118.3	1160.7	1158.3	1050.9	911.8
35°	1126.7	1127.0	1133.6	1150.3	1169.1	1222.6	1244.5	1296.0	1290.4	1171.5	1009.5
37.5°	1209.8	1206.3	1215.3	1240.3	1282.1	1343.9	1364.8	1413.8	1407.6	1294.9	1137.1
40°	1309.9	1303.6	1303.6	1332.8	1380.1	1451.4	1469.1	1493.4	1472.2	1394.7	1262.2
42.5°	1420.4	1414.5	1406.9	1432.6	1472.2	1527.8	1542.4	1535.8	1518.4	1488.9	1404.8
45°	1532.4	1523.3	1528.5	1544.2	1567.1	1593.5	1599.1	1568.5	1560.5	1568.9	1522.6
47.5°	1617.5	1611.3	1624.1	1646.0	1664.8	1668.6	1664.8	1622.4	1621.7	1651.2	1604.3
50°	1646.0	1646.7	1682.2	1730.2	1760.4	1763.5	1758.3	1709.6	1703.0	1711.7	1648.5
52.5°	1648.8	1651.6	1703.4	1794.8	1877.2	1914.7	1910.6	1858.1	1793.4	1784.0	1715.2
55°	1581.7	1598.1	1670.4	1803.9	1979.1	2099.0	2112.9	2012.4	1916.5	1908.5	1858.8
57.5°	1264.3	1297.7	1385.0	1575.1	1865.4	2118.1	2154.3	2082.0	1989.1	1955.1	1820.2
60°	755.7	797.1	880.9	1114.2	1419.7	1740.9	1803.2	1813.2	1770.5	1672.1	1396.4
62.5°	324.3	320.9	424.1	602.8	844.4	1106.5	1134.7	1178.5	1215.7	1112.8	847.5
65°	111.2	121.0	168.3	271.8	422.7	513.8	538.8	578.1	630.9	520.7	310.4
67.5°	68.8	73.0	97.0	160.6	228.0	224.6	213.4	207.2	201.6	138.0	85.2
70°	50.1	53.5	68.1	110.5	153.3	107.8	93.5	75.8	84.1	77.5	60.5
72.5°	33.7	36.5	46.9	67.1	78.6	52.5	48.7	55.3	66.7	63.6	49.4
75°	20.2	21.9	26.8	32.7	32.0	27.1	27.5	38.9	51.1	47.6	35.1
77.5°	13.9	14.6	17.7	21.2	15.6	8.3	7.6	10.8	17.4	17.4	11.8
80°	3.5	4.5	4.5	2.8	2.4	2.1	2.1	3.1	4.9	3.5	1.7
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7
87.5°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7
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°	501.3	501.3	501.3	501.3	501.3	501.3	501.3	501.3	501.3	501.3	501.3
2.5°	503.7	499.5	502.3	501.6	503.7	504.4	501.3	500.6	500.9	496.8	495.4
5°	508.6	503.7	505.1	503.7	506.1	508.2	507.2	508.6	510.3	507.2	505.8
7.5°	519.0	514.1	513.8	511.7	515.2	516.6	516.2	520.1	523.5	521.4	519.4
10°	537.1	530.5	529.8	528.1	529.1	530.1	526.3	527.0	530.1	527.7	526.7
12.5°	559.3	551.3	549.6	545.4	545.4	540.2	531.9	530.1	532.6	530.8	529.1
15°	583.3	572.5	569.8	562.5	555.5	545.8	537.1	535.0	536.7	534.7	533.3
17.5°	610.1	597.9	588.9	576.0	560.7	549.3	539.5	535.0	532.2	528.1	527.7
20°	636.5	620.5	605.2	584.7	564.6	547.2	531.2	519.4	509.3	503.0	500.6
22.5°	667.1	643.5	618.8	589.9	561.1	534.7	506.5	486.3	469.0	463.0	460.3
25°	699.8	669.2	632.3	594.8	549.3	506.8	468.6	438.7	415.8	408.1	405.0
27.5°	735.9	693.9	646.2	593.8	524.9	467.2	416.5	379.3	356.7	349.7	352.1
30°	781.8	725.9	663.6	583.0	488.4	411.6	352.1	320.9	303.8	297.2	297.6
32.5°	843.0	771.7	689.0	560.0	441.5	348.3	296.2	273.2	261.8	253.1	252.4
35°	930.6	841.6	712.6	523.2	384.5	292.0	254.1	236.0	220.0	210.0	211.7
37.5°	1035.6	929.6	725.5	473.5	320.5	248.2	222.5	204.1	186.0	171.0	172.8
40°	1160.0	1044.6	724.5	408.1	262.1	218.3	196.1	174.5	151.9	138.4	139.7
42.5°	1298.7	1153.4	701.9	338.9	217.3	194.0	170.7	143.6	121.7	113.3	113.7
45°	1419.0	1241.7	662.2	267.3	182.9	170.3	144.3	116.5	106.7	100.8	100.5
47.5°	1508.0	1306.4	605.6	210.3	155.0	148.8	118.5	104.3	96.6	91.8	91.1
50°	1557.7	1329.0	543.0	164.8	131.1	126.2	106.0	94.6	89.3	86.2	85.5
52.5°	1624.5	1356.1	498.2	130.0	109.9	103.2	97.7	88.0	84.5	82.0	81.0
55°	1730.2	1408.6	459.2	103.2	91.4	90.0	92.1	84.1	82.0	78.2	76.8
57.5°	1630.7	1265.4	356.7	80.0	77.2	82.4	89.0	80.3	75.1	71.6	70.2
60°	1147.5	841.3	179.4	64.3	68.8	77.2	83.8	72.7	67.4	68.1	67.4
62.5°	632.7	421.0	80.7	53.9	59.8	68.1	71.6	62.9	59.4	65.4	66.4
65°	206.8	143.2	46.6	41.7	47.3	55.6	61.9	59.8	59.1	66.0	68.1
67.5°	63.6	47.3	31.6	29.9	32.7	41.0	52.1	64.7	69.5	71.6	72.7
70°	47.6	37.2	27.1	25.4	26.8	31.3	44.1	53.9	50.8	51.1	50.4
72.5°	38.2	29.5	23.3	22.2	22.2	21.6	23.3	29.2	33.0	34.8	34.8
75°	26.8	20.9	17.7	16.3	12.9	10.4	9.4	9.4	8.3	8.0	7.6
77.5°	9.0	7.6	7.0	5.6	3.8	3.1	2.8	2.4	1.7	1.0	0.7
80°	1.4	1.0	0.7	0.7	0.7	0.3	0.3	0.3	0.0	0.0	0.0
82.5°	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.0	0.0	0.0	0.0
85°	0.7	0.7	0.7	0.7	0.7	0.3	0.3	0.0	0.0	0.0	0.0
87.5°	0.7	0.7	0.7	0.7	0.3	0.3	0.3	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)