

Scaled data based on original data using  
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1207933

Luminaire Tested: UPW-SA1-030-827-U-SL2-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1207933  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-2)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-030-827-U-SL2-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2567 lumens  
Efficiency: N/A  
Efficacy: 75.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B0 - U0 - G1

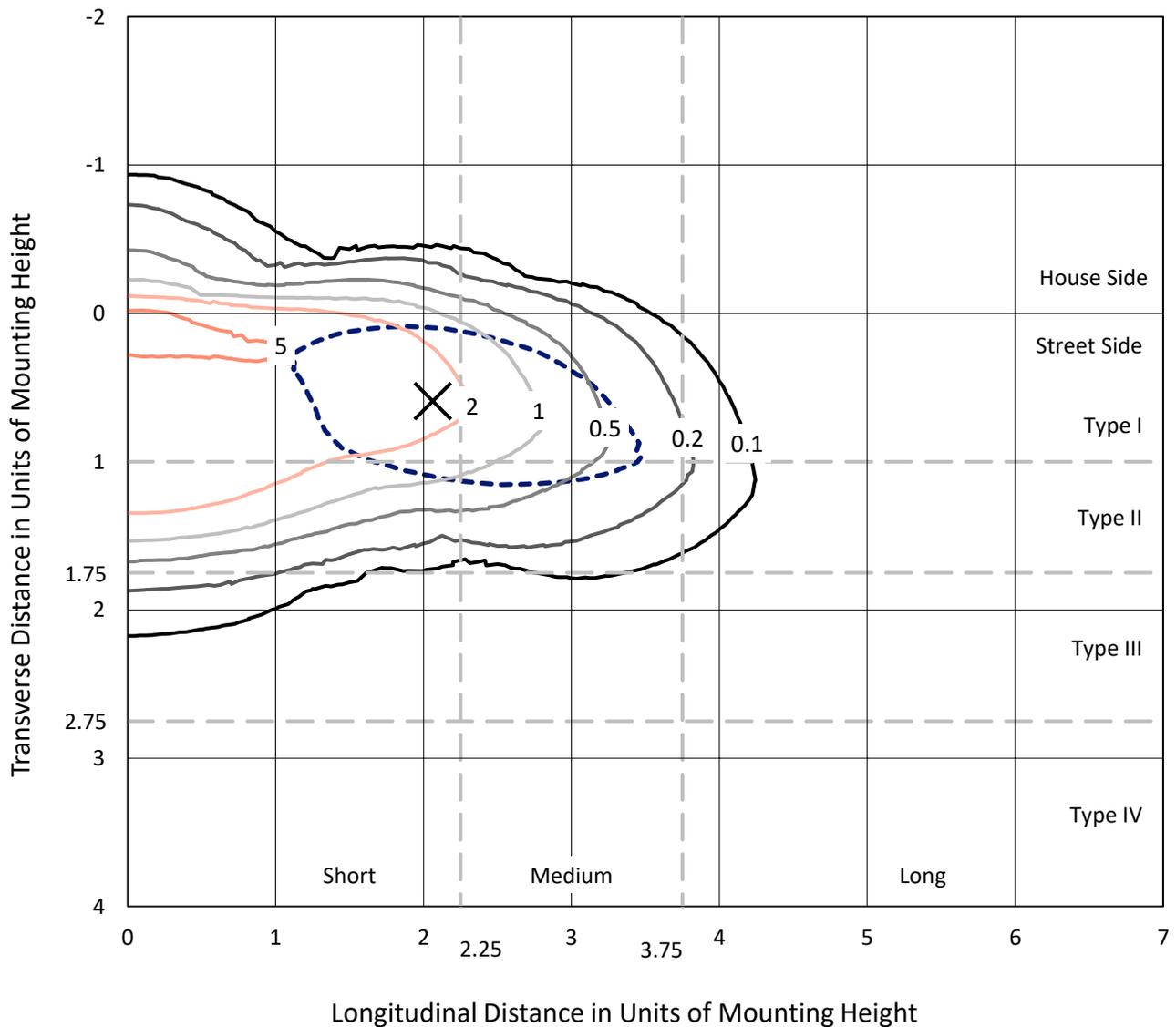
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

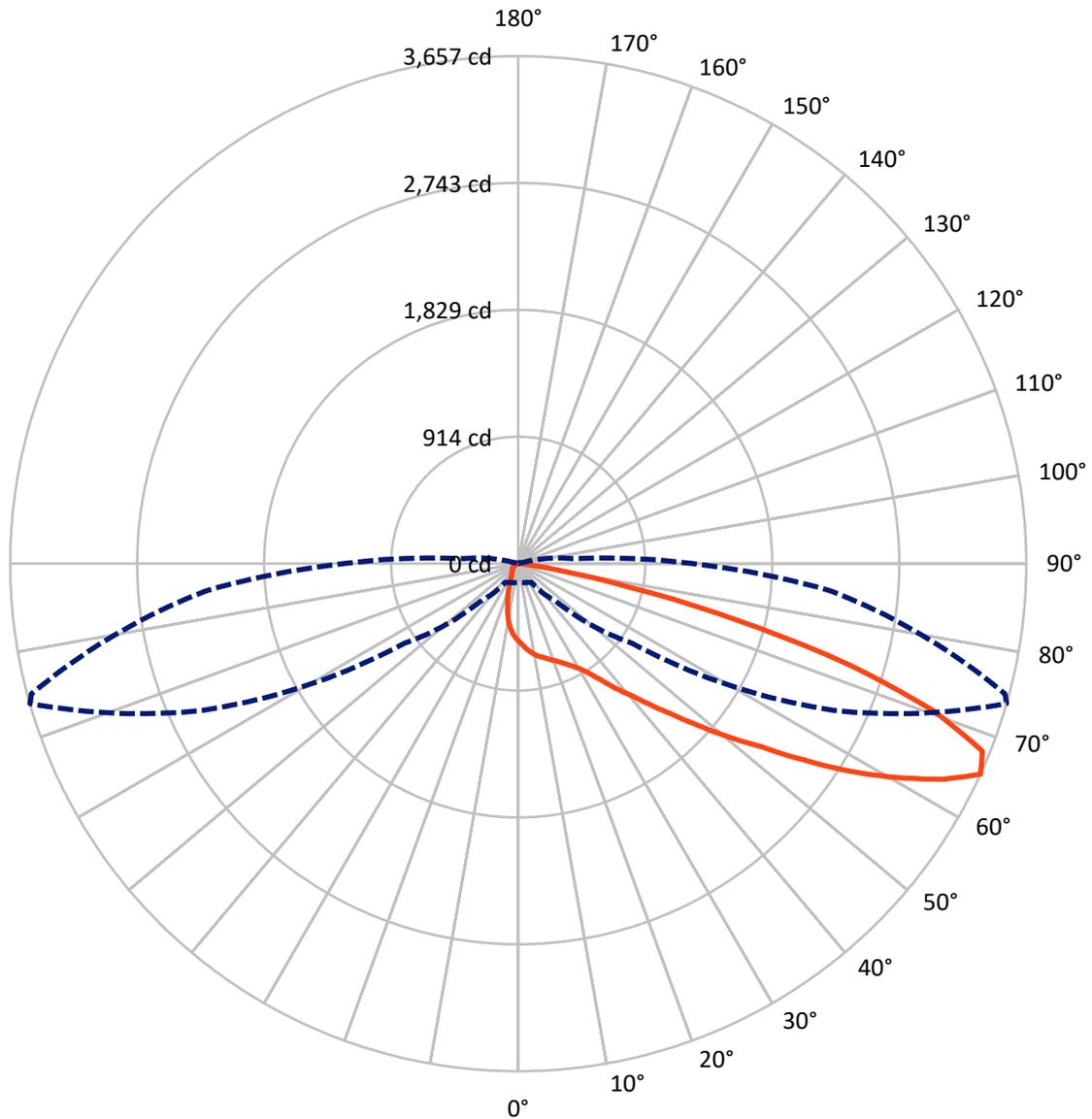
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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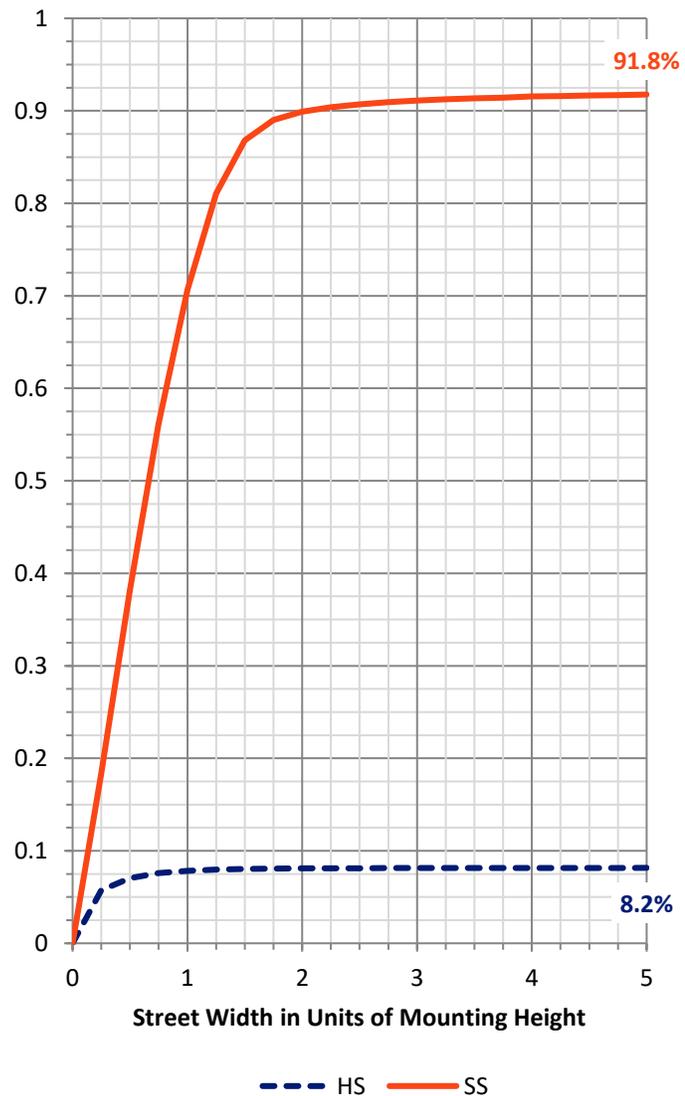
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	211.0	0.0	211.0
	% Fixture	8.2	0.0	8.2
<b>Street Side</b>	Lumens	2356.0	0.0	2356.0
	% Fixture	91.8	0.0	91.8
<b>Total</b>	Lumens	2567.0	0.0	2567.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	47.7	1.9
10°-20°	117.0	4.6
20°-30°	182.4	7.1
30°-40°	287.9	11.2
40°-50°	447.8	17.4
50°-60°	647.3	25.2
60°-70°	585.1	22.8
70°-80°	235.2	9.2
80°-90°	16.5	0.6
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°	2567.0	100.0
0°-180°	2567.0	100.0



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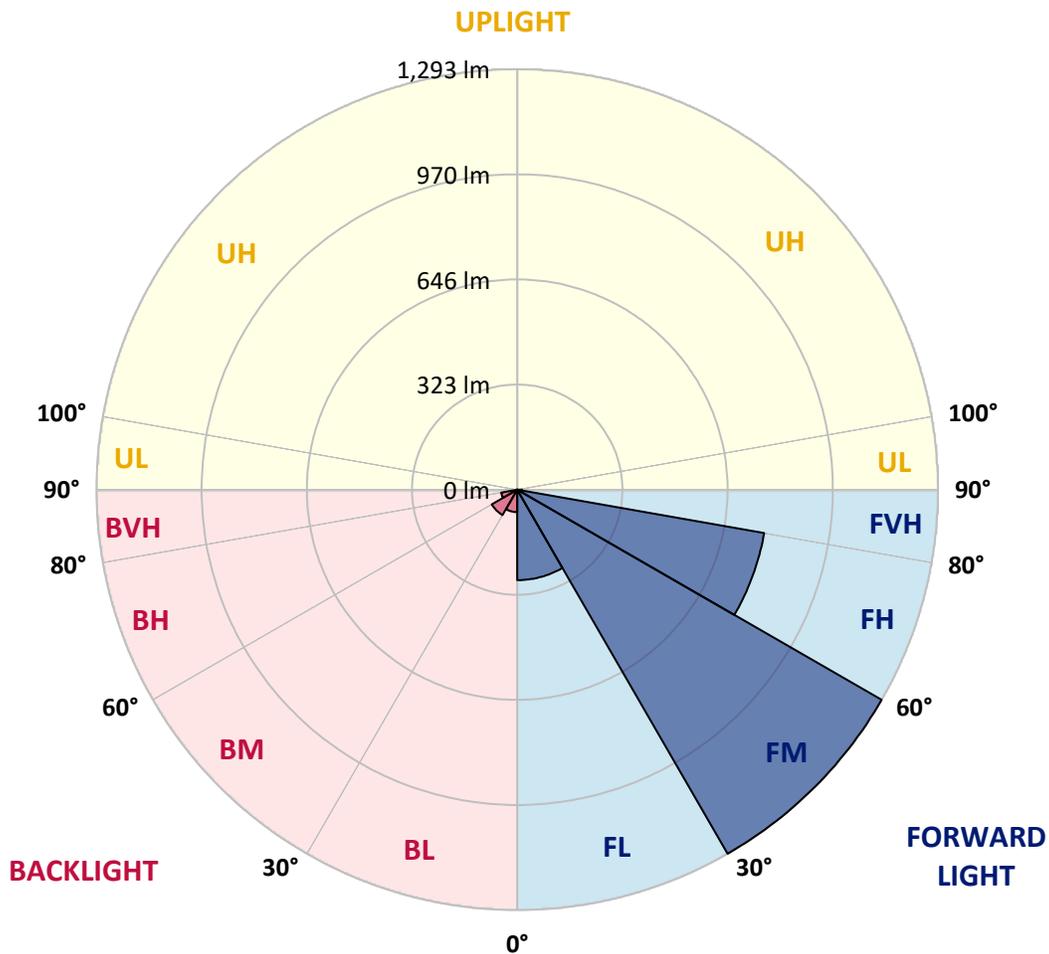
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	278.1	10.8			
FM	(30°-60°)	1292.8	50.4			
FH	(60°-80°)	770.4	30.0			G1/1800
FVH	(80°-90°)	14.7	0.6			G1/100
BL	(0°-30°)	69.0	2.7	B0/110		
BM	(30°-60°)	90.3	3.5	B0/220		
BH	(60°-80°)	49.9	1.9	B0/110		G0/110
BVH	(80°-90°)	1.9	0.1			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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	559.3	559.3	559.3	559.3	559.3	559.3	559.3	559.3	559.3	559.3	559.3
2.5°	631.1	628.8	629.9	624.8	624.0	618.9	607.6	596.2	585.6	582.8	569.9
5°	677.0	675.9	674.7	673.9	670.4	666.4	650.3	635.0	615.4	611.9	584.8
7.5°	689.2	688.0	690.4	694.3	696.7	694.7	682.9	668.0	643.3	639.4	600.1
10°	662.1	660.9	671.5	686.8	701.0	711.2	706.9	693.5	667.6	663.7	610.7
12.5°	602.5	600.9	618.2	649.6	682.9	712.0	720.6	711.6	687.2	682.9	619.3
15°	547.9	545.6	562.8	594.6	636.6	692.7	725.7	728.4	703.3	700.6	628.8
17.5°	518.9	519.3	529.9	556.1	596.6	657.8	720.2	744.1	724.9	721.4	639.0
20°	530.6	531.4	532.6	542.8	567.1	627.2	708.0	761.0	746.1	742.2	651.9
22.5°	564.8	566.7	563.6	558.1	561.3	604.8	695.5	779.5	770.4	766.5	660.9
25°	628.4	626.0	616.2	594.2	578.5	598.1	691.2	800.7	801.1	796.3	671.9
27.5°	704.1	697.8	686.1	651.1	612.7	609.1	690.0	823.4	836.8	830.1	684.5
30°	768.5	765.3	750.8	718.6	660.9	634.6	693.1	845.4	879.2	875.6	701.0
32.5°	810.1	809.3	798.7	777.1	726.5	675.9	706.9	875.2	943.1	931.4	732.4
35°	845.0	841.5	833.2	819.1	788.5	732.0	735.9	923.1	1029.5	1026.0	782.6
37.5°	884.7	880.3	870.5	852.9	831.7	798.3	782.2	985.1	1139.4	1137.8	848.9
40°	930.6	927.8	918.0	894.5	868.2	848.2	830.5	1049.1	1245.7	1234.8	910.2
42.5°	975.7	976.5	969.0	944.7	909.0	881.9	887.8	1114.3	1384.3	1378.8	1005.5
45°	1027.1	1024.4	1020.5	1002.8	964.3	908.6	942.7	1204.5	1545.2	1558.9	1144.1
47.5°	1063.2	1062.5	1070.3	1057.0	1025.2	951.4	999.3	1316.4	1743.0	1756.0	1296.4
50°	1072.7	1071.5	1097.8	1108.8	1107.6	1034.2	1077.0	1458.1	1960.5	1958.5	1466.7
52.5°	1012.2	1015.0	1066.0	1124.5	1179.0	1161.8	1217.1	1653.1	2192.8	2199.5	1626.8
55°	838.7	856.0	912.5	1047.9	1191.6	1291.7	1397.6	1921.6	2499.3	2481.7	1752.8
57.5°	525.9	516.9	612.3	808.5	1036.9	1301.5	1543.6	2191.2	2826.7	2804.3	1938.1
60°	268.1	256.3	312.0	451.0	719.8	1093.9	1546.8	2426.3	3128.5	3103.4	2125.3
62.5°	164.1	162.1	173.5	220.2	372.9	737.9	1340.3	2568.4	3423.6	3403.6	2252.1
65°	138.2	137.8	142.1	149.5	165.2	383.1	1000.0	2498.9	3657.2	3628.1	2259.5
67.5°	122.5	122.5	131.5	135.0	109.9	164.8	613.5	2210.1	3602.6	3597.1	2102.1
70°	105.6	104.0	116.6	127.2	91.4	84.8	315.9	1775.6	3165.0	3183.0	1790.5
72.5°	79.7	81.2	94.2	108.3	75.0	59.7	144.4	1242.6	2492.3	2500.9	1407.1
75°	60.0	61.6	73.0	88.7	60.4	45.1	79.7	807.3	1632.3	1652.0	821.9
77.5°	45.9	46.3	57.7	73.4	46.7	34.5	53.8	448.6	827.4	809.7	319.5
80°	31.8	33.0	45.1	56.9	37.3	25.9	36.1	194.3	298.7	275.5	99.3
82.5°	11.8	15.3	31.8	41.2	26.3	18.4	26.7	78.1	87.5	82.0	36.5
85°	2.0	2.0	17.3	30.2	14.1	11.0	16.9	27.1	28.7	30.2	18.8
87.5°	0.0	0.0	2.0	6.7	2.4	1.6	4.7	6.7	13.7	15.3	10.2
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°	559.3	559.3	559.3	559.3	559.3	559.3	559.3	559.3	559.3	559.3	559.3
2.5°	561.3	553.0	536.5	522.4	500.4	481.2	469.0	459.6	452.5	444.3	436.0
5°	567.5	548.3	507.9	462.3	415.6	373.6	339.1	307.7	287.3	284.9	275.1
7.5°	573.0	542.4	474.1	393.3	321.8	261.0	218.2	191.9	169.2	162.1	165.2
10°	573.0	532.2	429.4	318.3	232.4	170.3	138.9	121.7	115.4	112.6	110.3
12.5°	571.5	515.7	373.3	248.0	161.7	124.0	109.9	103.6	100.1	98.5	97.7
15°	569.1	495.7	317.9	185.3	123.6	106.4	99.3	94.6	91.4	89.9	88.7
17.5°	567.5	474.9	267.7	140.5	106.8	96.9	91.1	86.3	83.6	81.2	80.9
20°	562.8	450.6	219.0	115.4	96.9	88.7	82.4	78.1	75.4	72.6	72.6
22.5°	555.4	416.0	173.1	100.5	88.7	80.5	73.8	69.5	66.7	65.2	64.4
25°	545.9	381.9	137.4	91.8	80.9	71.8	65.9	61.6	59.3	58.5	57.7
27.5°	535.3	347.7	113.0	84.8	73.4	64.8	58.1	54.9	53.4	52.6	51.8
30°	526.7	316.7	98.1	78.9	66.3	57.7	51.8	49.1	47.9	47.5	46.7
32.5°	527.5	290.4	87.9	72.2	60.8	52.2	46.3	43.6	43.6	43.2	43.2
35°	542.0	274.0	80.9	66.3	54.9	46.7	41.6	39.2	40.0	40.0	39.6
37.5°	557.7	257.5	74.2	60.0	49.8	41.6	36.5	35.3	35.7	36.1	36.1
40°	578.1	245.3	68.7	54.2	44.7	37.3	33.0	31.8	31.8	31.8	31.4
42.5°	624.4	244.1	64.0	49.1	40.0	33.0	29.8	28.3	27.5	27.1	26.3
45°	689.6	252.8	60.8	44.4	35.3	29.8	27.1	25.1	22.8	21.6	21.2
47.5°	773.6	275.1	58.1	40.0	31.0	27.1	24.3	21.6	18.4	16.9	16.5
50°	878.4	310.1	55.3	36.5	27.9	24.3	21.2	17.7	14.5	13.0	13.0
52.5°	976.5	351.3	52.6	33.4	24.7	22.4	18.1	14.1	11.4	10.2	9.8
55°	1064.8	397.6	49.5	29.8	22.4	19.6	14.9	11.0	8.2	7.1	6.7
57.5°	1171.2	456.1	45.5	26.3	20.0	16.9	11.8	7.8	5.5	3.9	3.5
60°	1287.3	485.5	40.4	23.2	17.3	14.1	9.0	5.5	3.1	1.6	1.6
62.5°	1325.0	471.0	34.1	20.0	14.9	11.4	6.7	3.5	1.2	0.0	0.0
65°	1256.3	403.5	29.0	17.7	13.0	8.6	4.7	2.0	0.0	0.0	0.0
67.5°	1098.2	314.0	23.9	15.3	11.0	7.1	3.1	0.4	0.0	0.0	0.0
70°	906.6	232.7	20.0	12.6	9.4	5.5	2.0	0.0	0.0	0.0	0.0
72.5°	699.8	165.2	17.3	10.6	7.8	4.3	1.2	0.0	0.0	0.0	0.0
75°	395.2	88.7	15.7	10.6	7.1	3.5	0.8	0.0	0.0	0.0	0.0
77.5°	163.3	40.8	13.7	10.6	7.1	3.9	1.2	0.0	0.0	0.0	0.0
80°	51.0	20.8	11.8	11.0	7.5	4.3	1.2	0.0	0.0	0.0	0.0
82.5°	23.9	16.1	12.2	10.2	6.7	3.9	1.2	0.0	0.0	0.0	0.0
85°	12.6	8.2	8.6	8.6	5.9	3.5	1.2	0.0	0.0	0.0	0.0
87.5°	3.5	0.4	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)