

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: P1208423

Luminaire Tested: UPW-SA1-060-827-U-SL4-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208423  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-6)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-060-827-U-SL4-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 80 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4046 lumens  
Efficiency: N/A  
Efficacy: 69.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1

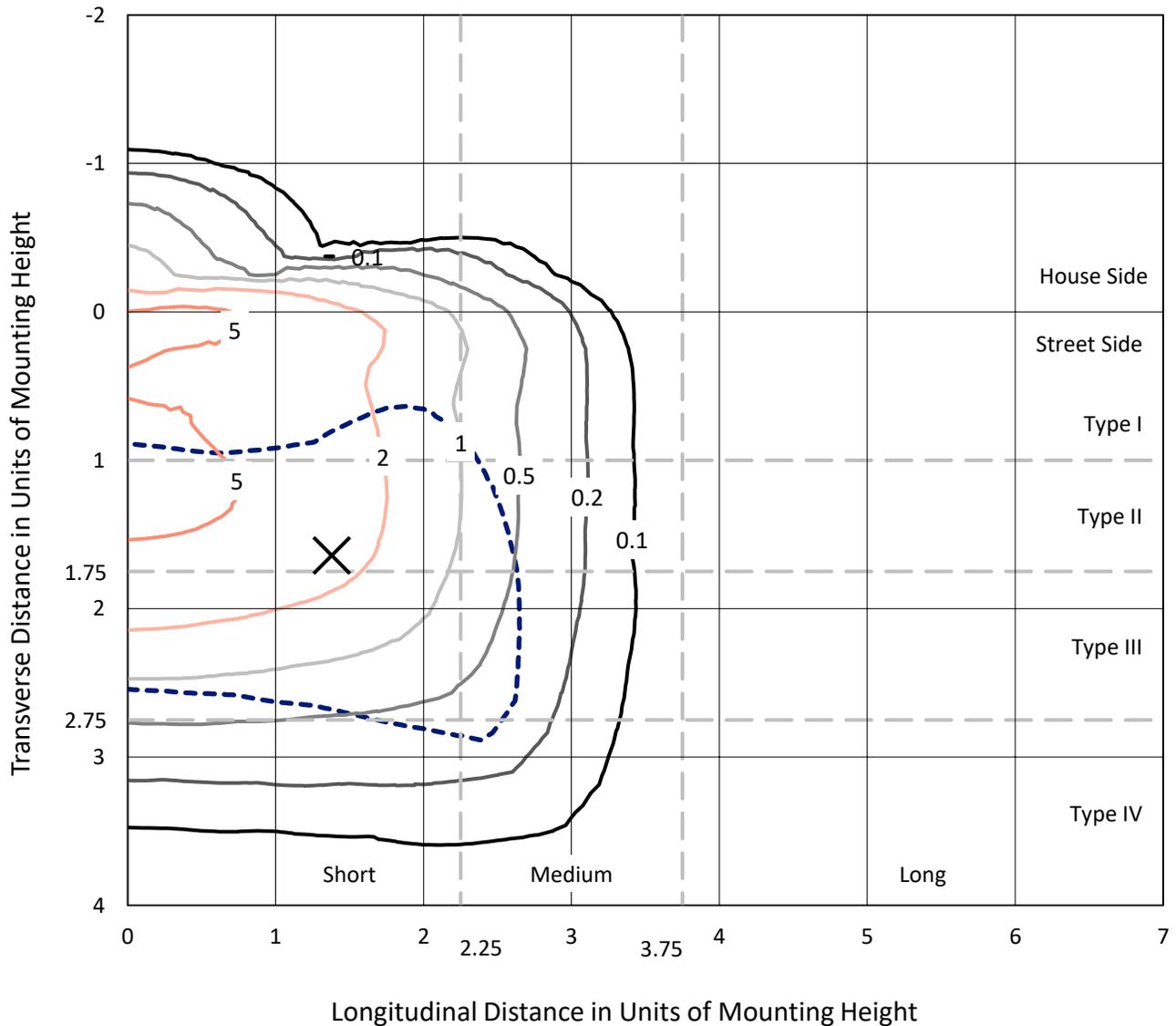
Input Watts (W): 58  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

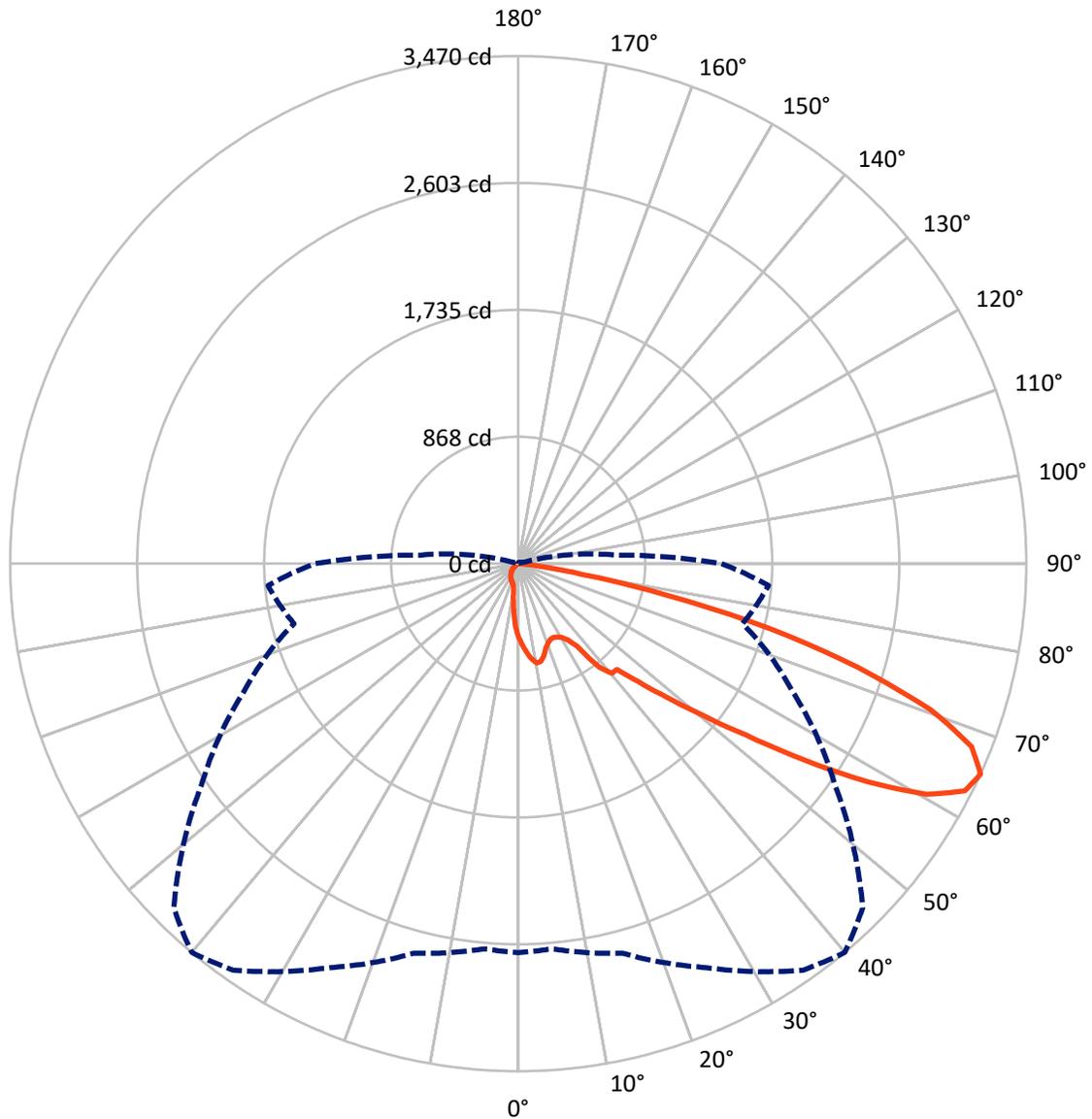
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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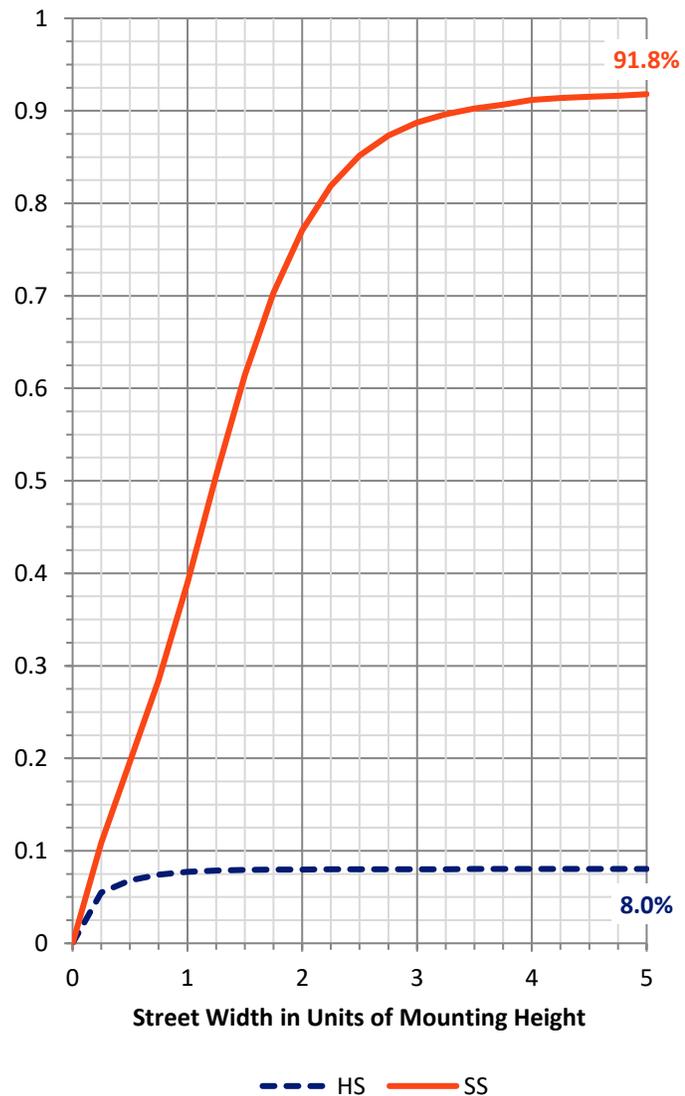
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	327.5	0.0	327.5
	% Fixture	8.1	0.0	8.1
<b>Street Side</b>	Lumens	3718.6	0.0	3718.6
	% Fixture	91.9	0.0	91.9
<b>Total</b>	Lumens	4046.0	0.0	4046.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.4	1.1
10°-20°	130.3	3.2
20°-30°	203.4	5.0
30°-40°	337.0	8.3
40°-50°	571.5	14.1
50°-60°	1006.7	24.9
60°-70°	1253.9	31.0
70°-80°	471.2	11.6
80°-90°	25.5	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°	4046.0	100.0
0°-180°	4046.0	100.0



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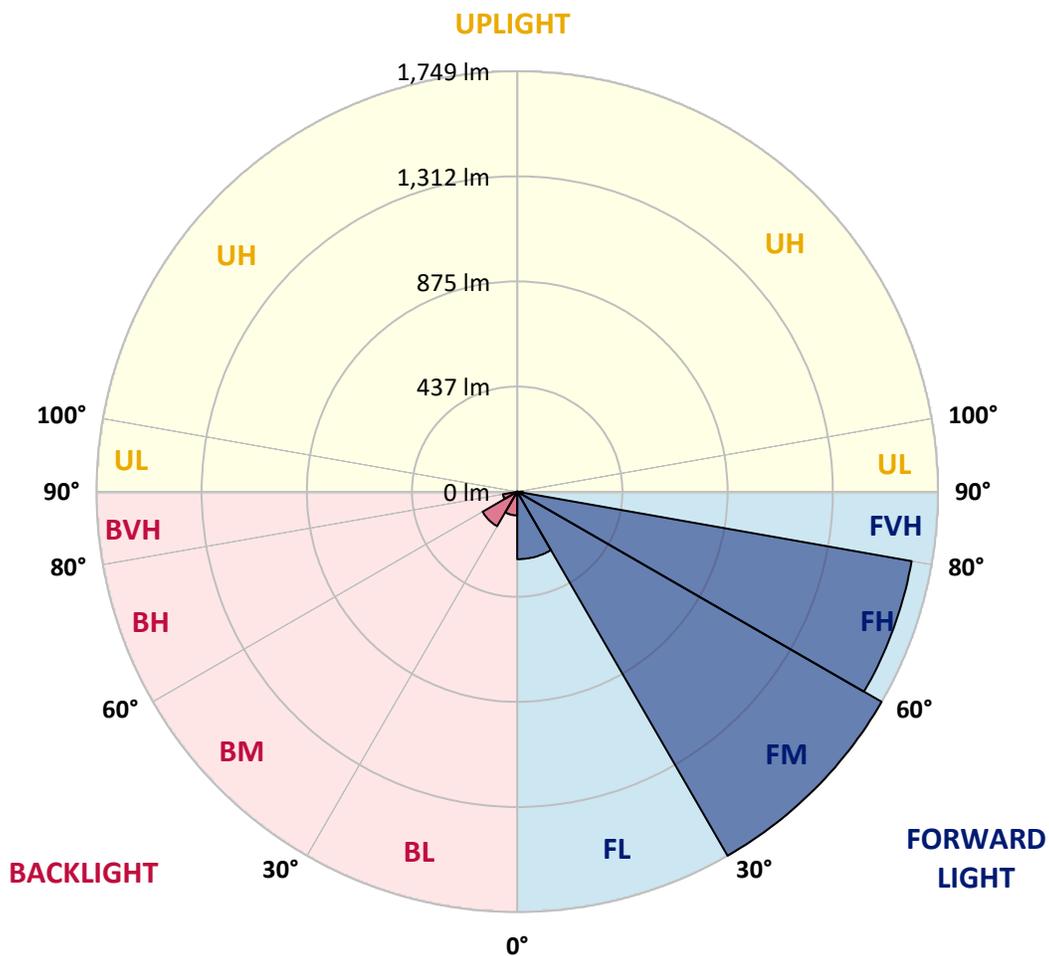
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	281.0	6.9			
FM	(30°-60°)	1749.0	43.2			
FH	(60°-80°)	1664.7	41.1			G1/1800
FVH	(80°-90°)	23.8	0.6			G1/100
BL	(0°-30°)	99.1	2.4	B0/110		
BM	(30°-60°)	166.3	4.1	B0/220		
BH	(60°-80°)	60.4	1.5	B0/110		G0/110
BVH	(80°-90°)	1.7	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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3
2.5°	572.0	567.2	566.0	563.7	557.7	557.1	555.9	545.2	537.4	529.7	517.8
5°	627.4	623.8	620.9	620.3	616.1	610.7	609.5	594.6	580.3	564.3	539.2
7.5°	667.9	664.4	664.4	664.4	659.6	657.8	657.8	642.3	628.6	604.2	570.2
10°	676.3	673.9	676.3	682.2	688.2	690.6	693.0	689.4	678.1	651.2	610.1
12.5°	655.4	653.0	655.4	664.4	675.7	687.0	701.9	721.0	725.1	706.7	653.0
15°	634.6	631.6	626.8	625.0	636.9	654.2	674.5	726.3	764.5	759.1	702.5
17.5°	621.5	620.9	609.5	594.0	595.2	608.3	634.6	704.9	783.5	806.2	748.4
20°	608.9	607.2	594.6	572.6	567.8	579.7	601.8	675.1	780.0	849.7	796.0
22.5°	602.4	600.0	583.3	557.1	552.3	563.1	582.7	642.9	762.1	875.3	841.3
25°	610.1	608.3	584.5	554.1	550.0	558.9	576.2	625.6	738.8	884.8	877.7
27.5°	636.4	632.8	601.2	564.9	559.5	567.8	582.1	619.7	718.6	881.2	906.9
30°	725.7	712.0	665.0	597.0	580.3	585.7	597.0	627.4	705.5	876.5	939.6
32.5°	899.1	892.0	813.3	690.0	626.8	622.1	629.8	651.2	714.4	901.5	1000.4
35°	1200.6	1191.7	1080.3	884.2	721.0	694.7	690.0	708.4	782.3	908.1	1010.5
37.5°	1435.4	1427.0	1333.5	1186.3	984.9	899.7	844.3	836.6	786.5	877.7	1023.1
40°	1549.8	1535.5	1398.4	1200.0	1049.9	986.1	924.7	799.6	743.6	859.8	1055.2
42.5°	1826.2	1786.9	1625.4	1377.0	1105.9	989.1	880.6	748.4	759.1	878.3	1105.3
45°	2133.7	2136.1	1940.6	1610.5	1289.4	1150.0	1014.1	809.7	814.5	925.3	1171.4
47.5°	2488.2	2447.1	2240.3	1906.7	1518.8	1360.9	1209.0	916.4	893.2	1001.0	1260.2
50°	2746.2	2720.0	2559.1	2244.5	1801.8	1622.5	1422.9	1076.7	1021.9	1088.0	1350.2
52.5°	2888.6	2882.7	2802.2	2550.2	2152.2	1943.6	1682.6	1264.4	1179.2	1183.9	1416.9
55°	3000.6	2984.5	2981.0	2857.6	2548.4	2364.9	2025.2	1519.4	1378.8	1277.5	1483.6
57.5°	3113.2	3094.8	3110.3	3088.2	2974.4	2816.5	2436.4	1796.4	1552.8	1377.0	1563.5
60°	3115.0	3096.6	3140.1	3233.0	3283.7	3202.0	2853.5	2099.1	1744.6	1478.9	1671.9
62.5°	2971.4	2953.0	3027.4	3221.1	3432.6	3422.5	3177.0	2389.3	1935.9	1580.8	1761.9
65°	2658.6	2643.7	2757.5	3047.7	3392.7	3470.2	3327.7	2641.3	2065.8	1585.5	1715.4
67.5°	2027.6	2054.4	2247.5	2647.9	3185.3	3340.9	3306.3	2707.5	2002.0	1441.3	1538.5
70°	1308.5	1357.3	1573.0	2045.5	2710.5	2988.1	3006.0	2403.6	1675.5	1172.0	1155.9
72.5°	696.5	705.5	904.5	1323.4	2061.0	2425.7	2452.5	1809.6	1146.4	778.8	631.0
75°	305.1	329.5	442.7	744.2	1373.4	1777.4	1697.5	1084.4	591.7	356.3	244.3
77.5°	109.6	118.6	172.2	364.1	775.2	1040.3	969.4	515.4	238.9	157.9	71.5
80°	53.0	53.6	69.1	138.8	324.1	438.5	381.3	182.3	109.0	88.8	28.0
82.5°	17.9	22.0	39.3	54.8	120.4	149.6	110.2	67.9	64.9	67.3	19.7
85°	0.0	0.6	19.7	29.8	31.0	35.2	28.0	29.8	39.9	40.5	6.6
87.5°	0.0	0.0	0.0	6.0	6.6	6.6	3.6	7.2	16.7	19.7	1.2
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°	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3	505.3
2.5°	510.6	503.5	489.2	477.3	461.2	449.9	437.9	432.6	429.0	414.1	412.9
5°	525.5	509.4	476.7	440.9	405.8	371.2	338.4	320.0	303.9	297.3	289.6
7.5°	547.6	523.1	465.3	404.0	337.8	284.2	247.9	227.6	210.9	207.9	205.6
10°	578.0	541.0	455.8	356.3	263.4	212.7	182.9	169.8	164.5	163.3	161.5
12.5°	611.3	563.7	445.1	300.9	206.2	163.3	150.7	150.7	153.7	154.9	154.9
15°	654.2	589.9	424.8	251.4	165.6	143.0	142.4	144.8	147.8	149.0	149.6
17.5°	691.8	617.3	399.2	206.2	142.4	135.9	137.0	138.8	141.8	144.2	144.2
20°	732.3	642.3	373.0	169.8	131.1	129.3	130.5	132.9	136.4	138.2	138.8
22.5°	768.0	662.0	342.6	146.0	123.3	123.3	125.1	127.5	131.7	134.7	134.7
25°	797.8	677.5	309.8	129.9	116.2	116.8	118.6	122.1	126.3	129.3	129.9
27.5°	821.1	685.2	272.3	116.8	109.0	109.0	112.0	116.2	121.6	125.1	125.1
30°	850.9	697.1	243.7	107.3	101.3	101.3	103.7	109.0	116.2	121.0	121.0
32.5°	895.5	718.0	213.3	98.9	94.1	94.1	96.5	101.3	108.4	114.4	115.6
35°	902.7	708.4	182.3	92.4	87.6	87.0	88.2	92.4	98.3	102.5	104.3
37.5°	914.0	708.4	153.1	85.2	81.0	80.4	81.0	82.8	85.2	86.4	85.8
40°	939.0	713.2	128.7	79.2	75.1	73.9	73.3	72.7	70.3	67.3	66.7
42.5°	978.4	725.7	107.8	72.7	68.5	67.3	65.5	61.4	56.0	51.8	51.8
45°	1025.4	737.1	90.6	67.3	62.6	61.4	56.0	49.5	42.9	39.9	39.9
47.5°	1083.2	750.8	76.9	62.6	57.8	54.8	45.9	38.1	32.8	31.6	31.6
50°	1150.0	759.1	64.9	57.2	53.0	47.7	36.3	29.8	25.6	25.0	25.0
52.5°	1196.4	758.5	55.4	52.4	48.3	39.9	29.2	23.8	20.9	19.7	19.7
55°	1241.1	750.2	46.5	46.5	41.7	32.2	23.8	19.7	16.7	15.5	14.9
57.5°	1295.3	746.0	39.9	38.7	34.0	26.2	19.7	16.1	13.1	10.7	10.1
60°	1381.7	753.1	33.4	31.0	26.8	20.9	16.1	12.5	9.5	6.6	6.0
62.5°	1439.5	746.0	27.4	25.0	21.5	16.7	11.9	8.9	5.4	3.6	3.0
65°	1385.9	666.1	23.2	20.3	17.3	13.1	8.9	6.0	2.4	0.6	0.0
67.5°	1198.2	532.1	19.7	16.7	13.7	10.1	6.6	3.6	0.6	0.0	0.0
70°	871.1	358.7	17.3	13.7	10.7	8.3	4.8	1.8	0.0	0.0	0.0
72.5°	455.8	168.6	15.5	12.5	9.5	6.6	3.6	1.2	0.0	0.0	0.0
75°	159.7	60.8	14.3	11.9	8.3	5.4	3.0	1.2	0.0	0.0	0.0
77.5°	50.1	27.4	14.3	12.5	8.9	5.4	3.0	1.2	0.0	0.0	0.0
80°	22.6	17.9	13.1	11.9	8.3	5.4	3.0	0.6	0.0	0.0	0.0
82.5°	16.1	14.3	12.5	10.7	7.7	4.8	2.4	0.6	0.0	0.0	0.0
85°	6.0	4.8	4.8	6.0	5.4	3.0	1.2	0.0	0.0	0.0	0.0
87.5°	0.6	0.6	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)