

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: P1208504

Luminaire Tested: UPW-SA1-070-727-U-SL4-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208504  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-6)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/19/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-070-727-U-SL4-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA 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: 5050 lumens  
Efficiency: N/A  
Efficacy: 75.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

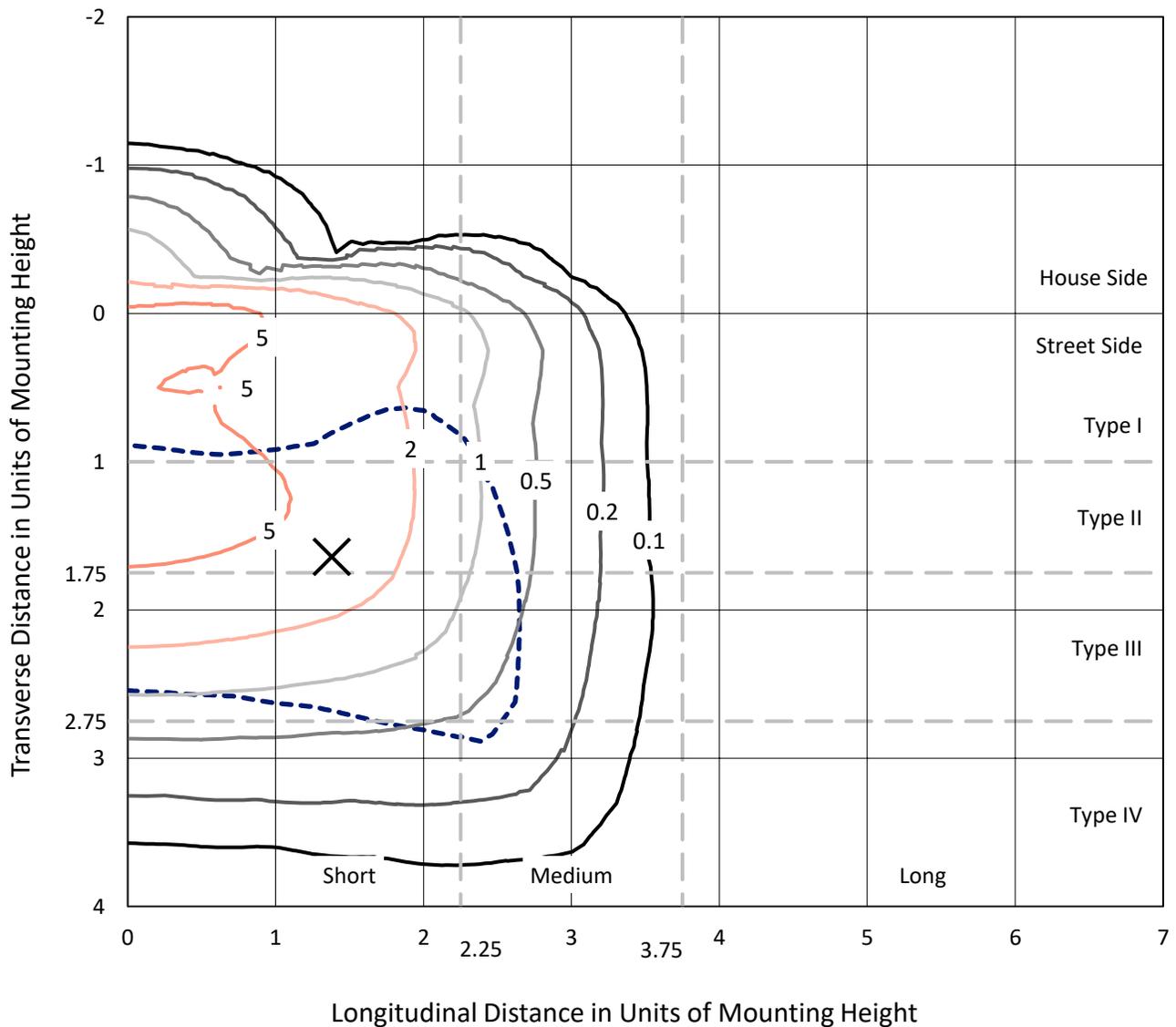
Input Watts (W): 67  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

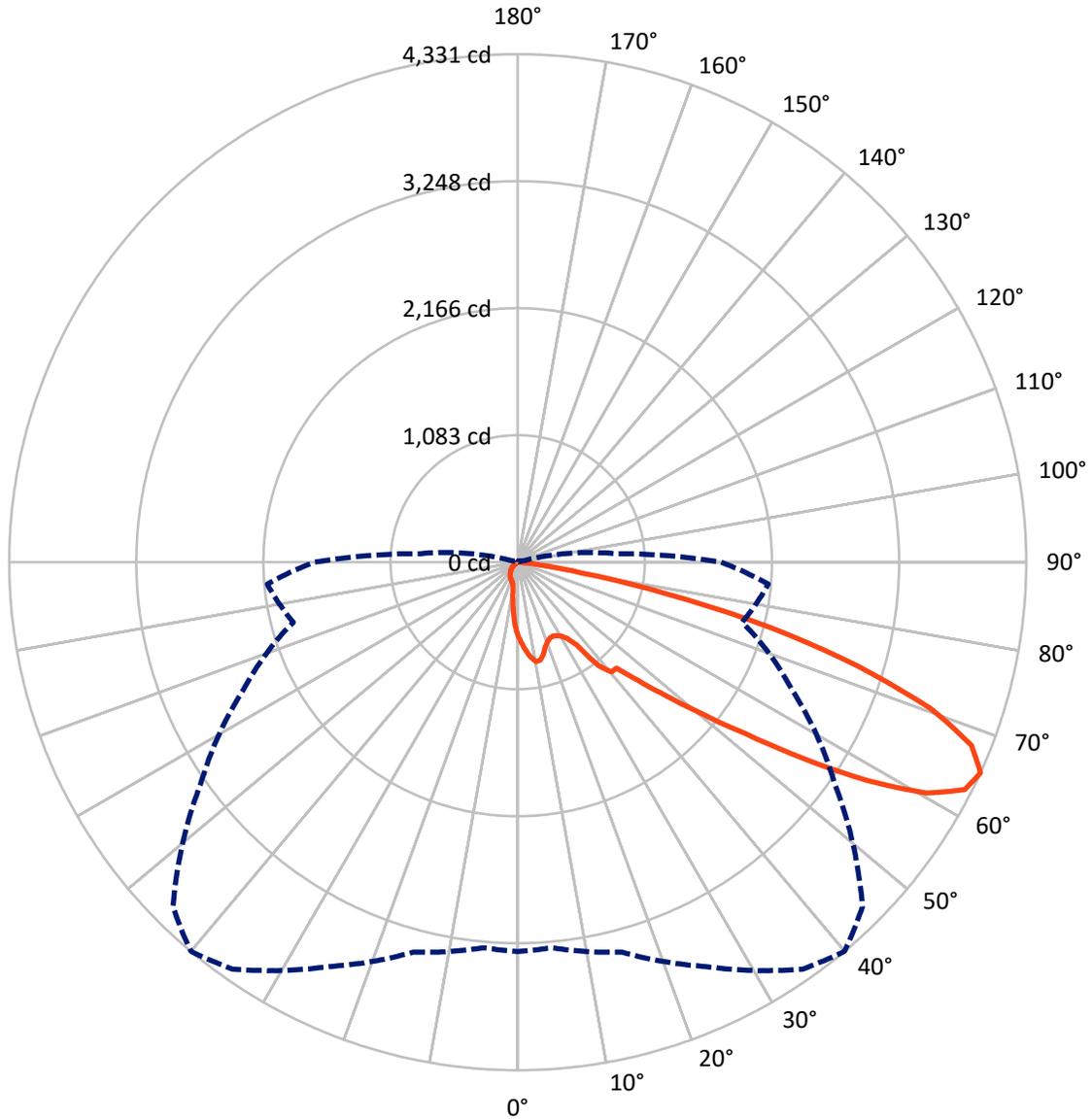
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 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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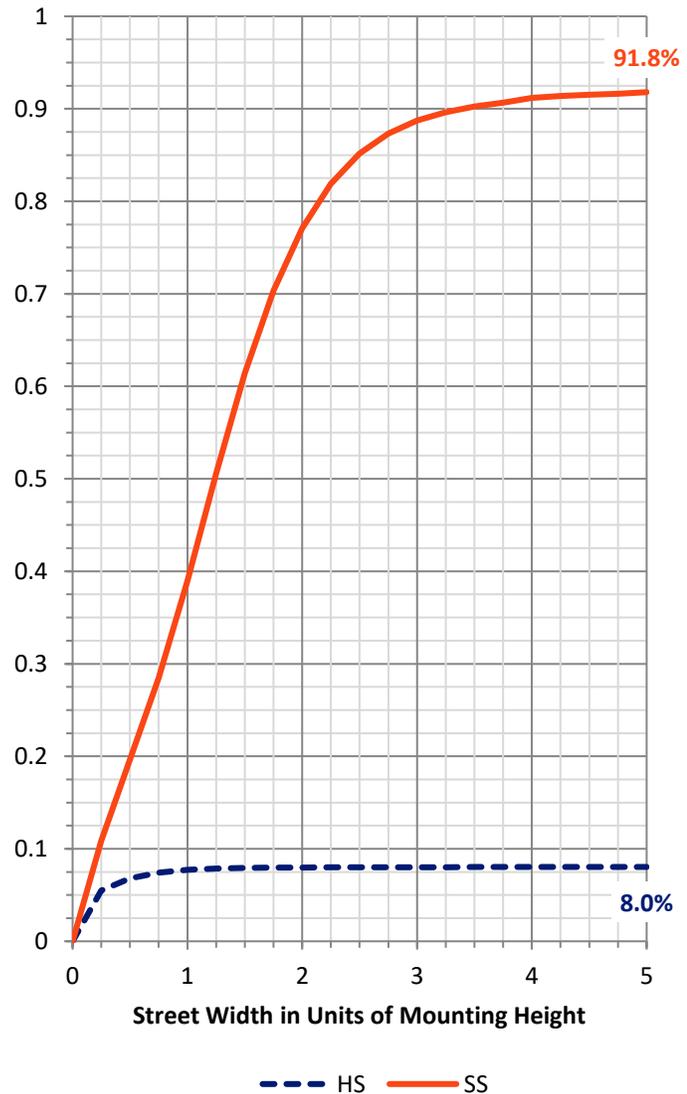
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	408.7	0.0	408.7
	% Fixture	8.1	0.0	8.1
<b>Street Side</b>	Lumens	4641.3	0.0	4641.3
	% Fixture	91.9	0.0	91.9
<b>Total</b>	Lumens	5050.0	0.0	5050.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.9	1.1
10°-20°	162.7	3.2
20°-30°	253.9	5.0
30°-40°	420.7	8.3
40°-50°	713.3	14.1
50°-60°	1256.5	24.9
60°-70°	1565.0	31.0
70°-80°	588.2	11.6
80°-90°	31.8	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°	5050.0	100.0
0°-180°	5050.0	100.0



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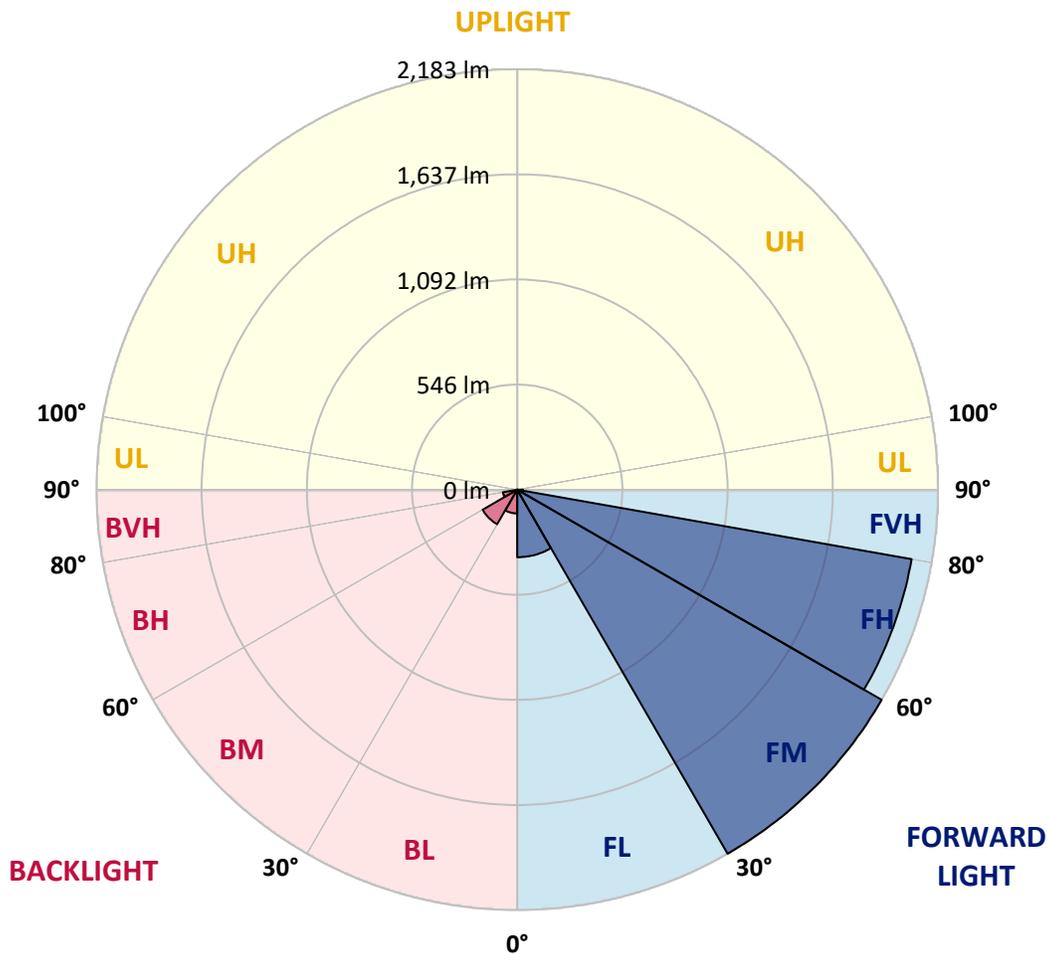
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	350.7	6.9			
FM	(30°-60°)	2183.0	43.2			
FH	(60°-80°)	2077.8	41.1			G2/5000
FVH	(80°-90°)	29.8	0.6			G1/100
BL	(0°-30°)	123.7	2.4	B1/500		
BM	(30°-60°)	207.5	4.1	B0/220		
BH	(60°-80°)	75.4	1.5	B0/110		G0/110
BVH	(80°-90°)	2.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7
2.5°	713.9	708.0	706.5	703.5	696.1	695.4	693.9	680.5	670.8	661.1	646.3
5°	783.1	778.6	774.9	774.2	769.0	762.3	760.8	742.2	724.4	704.3	673.0
7.5°	833.7	829.2	829.2	829.2	823.3	821.0	821.0	801.7	784.6	754.1	711.7
10°	844.1	841.1	844.1	851.5	859.0	861.9	864.9	860.5	846.3	812.9	761.5
12.5°	818.1	815.1	818.1	829.2	843.3	857.5	876.1	899.9	905.1	882.0	815.1
15°	792.0	788.3	782.4	780.1	795.0	816.6	841.9	906.6	954.2	947.5	876.8
17.5°	775.7	774.9	760.8	741.5	742.9	759.3	792.0	879.8	978.0	1006.2	934.1
20°	760.1	757.8	742.2	714.7	708.7	723.6	751.1	842.6	973.5	1060.5	993.6
22.5°	751.9	748.9	728.1	695.4	689.4	702.8	727.3	802.4	951.2	1092.5	1050.1
25°	761.5	759.3	729.6	691.6	686.4	697.6	719.1	780.9	922.2	1104.4	1095.5
27.5°	794.3	789.8	750.4	705.0	698.3	708.7	726.6	773.4	896.9	1099.9	1131.9
30°	905.8	888.7	830.0	745.2	724.4	731.0	745.2	783.1	880.5	1094.0	1172.8
32.5°	1122.2	1113.3	1015.1	861.2	782.4	776.4	786.1	812.9	891.7	1125.2	1248.7
35°	1498.5	1487.4	1348.3	1103.6	899.9	867.1	861.2	884.2	976.5	1133.4	1261.3
37.5°	1791.6	1781.1	1664.4	1480.7	1229.3	1123.0	1053.8	1044.1	981.7	1095.5	1276.9
40°	1934.3	1916.5	1745.4	1497.8	1310.4	1230.8	1154.2	998.0	928.1	1073.1	1317.1
42.5°	2279.4	2230.3	2028.8	1718.7	1380.3	1234.5	1099.2	934.1	947.5	1096.2	1379.5
45°	2663.2	2666.1	2422.2	2010.2	1609.3	1435.3	1265.8	1010.7	1016.6	1155.0	1462.1
47.5°	3105.7	3054.3	2796.3	2379.8	1895.7	1698.6	1509.0	1143.8	1114.8	1249.4	1572.9
50°	3427.7	3395.0	3194.2	2801.5	2248.9	2025.1	1775.9	1343.9	1275.4	1358.0	1685.2
52.5°	3605.4	3598.0	3497.6	3183.0	2686.2	2425.9	2100.2	1578.1	1471.8	1477.7	1768.5
55°	3745.2	3725.2	3720.7	3566.7	3180.8	2951.7	2527.8	1896.4	1720.9	1594.5	1851.8
57.5°	3885.8	3862.7	3882.1	3854.6	3712.5	3515.4	3041.0	2242.2	1938.1	1718.7	1951.4
60°	3888.0	3865.0	3919.3	4035.3	4098.5	3996.6	3561.5	2620.0	2177.5	1845.8	2086.8
62.5°	3708.8	3685.7	3778.7	4020.4	4284.4	4271.8	3965.4	2982.2	2416.3	1973.0	2199.1
65°	3318.4	3299.8	3441.8	3804.0	4234.6	4331.3	4153.5	3296.8	2578.4	1979.0	2141.1
67.5°	2530.8	2564.2	2805.2	3305.0	3975.8	4169.9	4126.7	3379.3	2498.8	1799.0	1920.2
70°	1633.1	1694.1	1963.3	2553.1	3383.1	3729.6	3751.9	3000.1	2091.3	1462.8	1442.8
72.5°	869.4	880.5	1128.9	1651.7	2572.4	3027.6	3061.0	2258.6	1430.9	972.0	787.6
75°	380.8	411.3	552.6	928.9	1714.2	2218.4	2118.8	1353.5	738.5	444.7	304.9
77.5°	136.8	148.0	214.9	454.4	967.5	1298.5	1210.0	643.3	298.2	197.1	89.2
80°	66.2	66.9	86.3	173.3	404.6	547.4	476.0	227.6	136.1	110.8	35.0
82.5°	22.3	27.5	49.1	68.4	150.2	186.7	137.6	84.8	81.1	84.0	24.5
85°	0.0	0.7	24.5	37.2	38.7	43.9	35.0	37.2	49.8	50.6	8.2
87.5°	0.0	0.0	0.0	7.4	8.2	8.2	4.5	8.9	20.8	24.5	1.5
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°	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7	630.7
2.5°	637.3	628.4	610.6	595.7	575.6	561.5	546.6	539.9	535.5	516.9	515.4
5°	655.9	635.9	595.0	550.3	506.5	463.3	422.4	399.4	379.3	371.1	361.4
7.5°	683.5	653.0	580.8	504.2	421.7	354.7	309.4	284.1	263.3	259.5	256.6
10°	721.4	675.3	568.9	444.7	328.7	265.5	228.3	212.0	205.3	203.8	201.5
12.5°	763.0	703.5	555.5	375.6	257.3	203.8	188.2	188.2	191.9	193.4	193.4
15°	816.6	736.3	530.3	313.8	206.7	178.5	177.7	180.7	184.4	185.9	186.7
17.5°	863.4	770.5	498.3	257.3	177.7	169.6	171.0	173.3	177.0	180.0	180.0
20°	914.0	801.7	465.6	212.0	163.6	161.4	162.9	165.8	170.3	172.5	173.3
22.5°	958.6	826.2	427.6	182.2	153.9	153.9	156.2	159.1	164.4	168.1	168.1
25°	995.8	845.6	386.7	162.1	145.0	145.8	148.0	152.5	157.7	161.4	162.1
27.5°	1024.8	855.2	339.9	145.8	136.1	136.1	139.8	145.0	151.7	156.2	156.2
30°	1062.0	870.1	304.2	133.9	126.4	126.4	129.4	136.1	145.0	151.0	151.0
32.5°	1117.8	896.1	266.2	123.5	117.5	117.5	120.5	126.4	135.4	142.8	144.3
35°	1126.7	884.2	227.6	115.3	109.3	108.6	110.1	115.3	122.7	127.9	130.1
37.5°	1140.8	884.2	191.1	106.3	101.1	100.4	101.1	103.4	106.3	107.8	107.1
40°	1172.1	890.2	160.6	98.9	93.7	92.2	91.5	90.7	87.8	84.0	83.3
42.5°	1221.1	905.8	134.6	90.7	85.5	84.0	81.8	76.6	69.9	64.7	64.7
45°	1279.9	919.9	113.0	84.0	78.1	76.6	69.9	61.7	53.5	49.8	49.8
47.5°	1352.0	937.1	95.9	78.1	72.1	68.4	57.3	47.6	40.9	39.4	39.4
50°	1435.3	947.5	81.1	71.4	66.2	59.5	45.4	37.2	32.0	31.2	31.2
52.5°	1493.3	946.7	69.2	65.4	60.2	49.8	36.4	29.7	26.0	24.5	24.5
55°	1549.1	936.3	58.0	58.0	52.1	40.2	29.7	24.5	20.8	19.3	18.6
57.5°	1616.8	931.1	49.8	48.3	42.4	32.7	24.5	20.1	16.4	13.4	12.6
60°	1724.6	940.0	41.6	38.7	33.5	26.0	20.1	15.6	11.9	8.2	7.4
62.5°	1796.8	931.1	34.2	31.2	26.8	20.8	14.9	11.2	6.7	4.5	3.7
65°	1729.8	831.4	29.0	25.3	21.6	16.4	11.2	7.4	3.0	0.7	0.0
67.5°	1495.6	664.1	24.5	20.8	17.1	12.6	8.2	4.5	0.7	0.0	0.0
70°	1087.3	447.7	21.6	17.1	13.4	10.4	5.9	2.2	0.0	0.0	0.0
72.5°	568.9	210.5	19.3	15.6	11.9	8.2	4.5	1.5	0.0	0.0	0.0
75°	199.3	75.9	17.8	14.9	10.4	6.7	3.7	1.5	0.0	0.0	0.0
77.5°	62.5	34.2	17.8	15.6	11.2	6.7	3.7	1.5	0.0	0.0	0.0
80°	28.3	22.3	16.4	14.9	10.4	6.7	3.7	0.7	0.0	0.0	0.0
82.5°	20.1	17.8	15.6	13.4	9.7	5.9	3.0	0.7	0.0	0.0	0.0
85°	7.4	5.9	5.9	7.4	6.7	3.7	1.5	0.0	0.0	0.0	0.0
87.5°	0.7	0.7	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)