

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: P1208288

Luminaire Tested: UPW-SA1-060-730-U-SL4-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208288  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-6)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/20/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-060-730-U-SL4-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 3000K, 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: 5012 lumens  
Efficiency: N/A  
Efficacy: 84.9 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): 59  
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

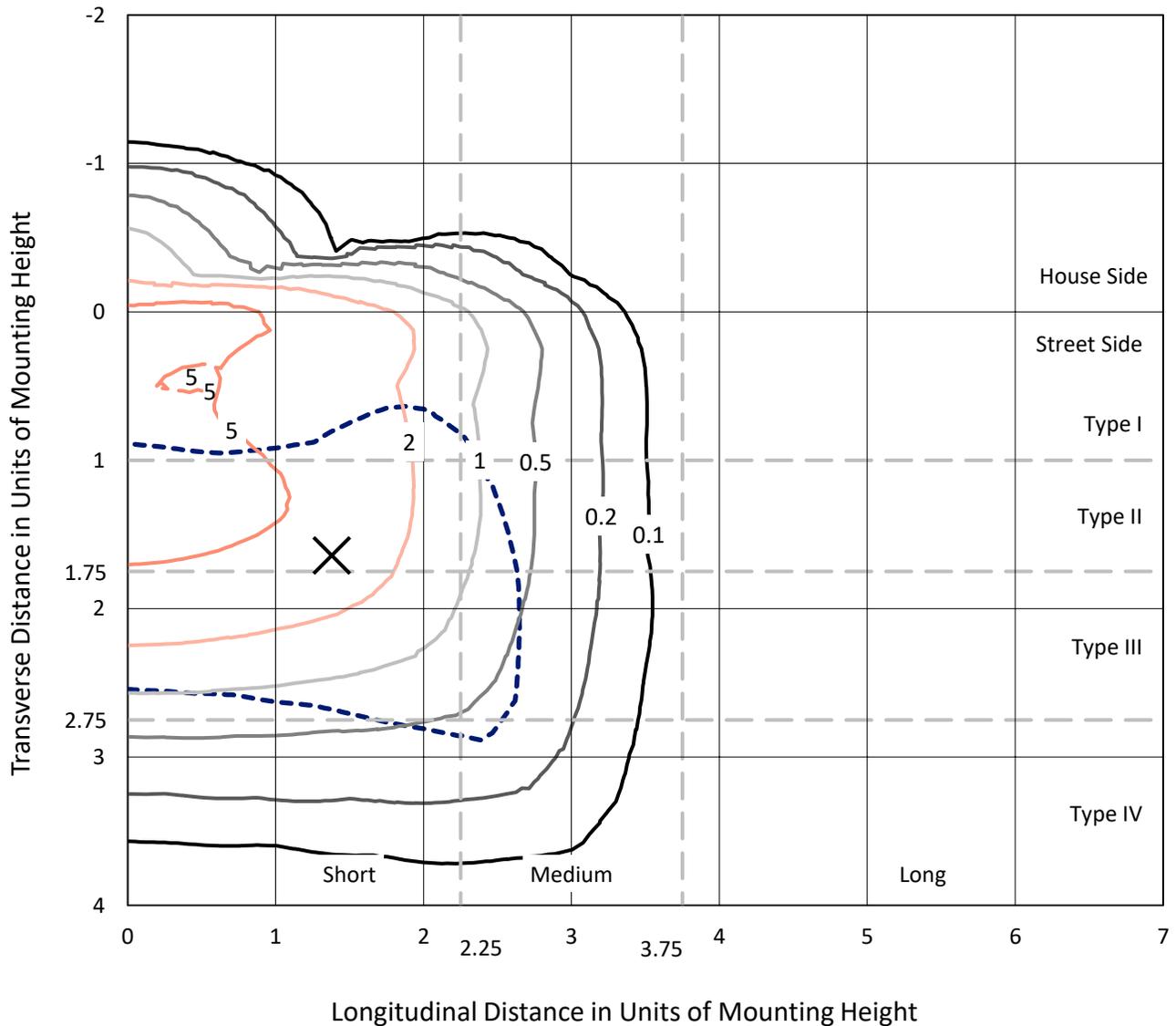


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### Iso-Footcandle Lines of Horizontal Illumination

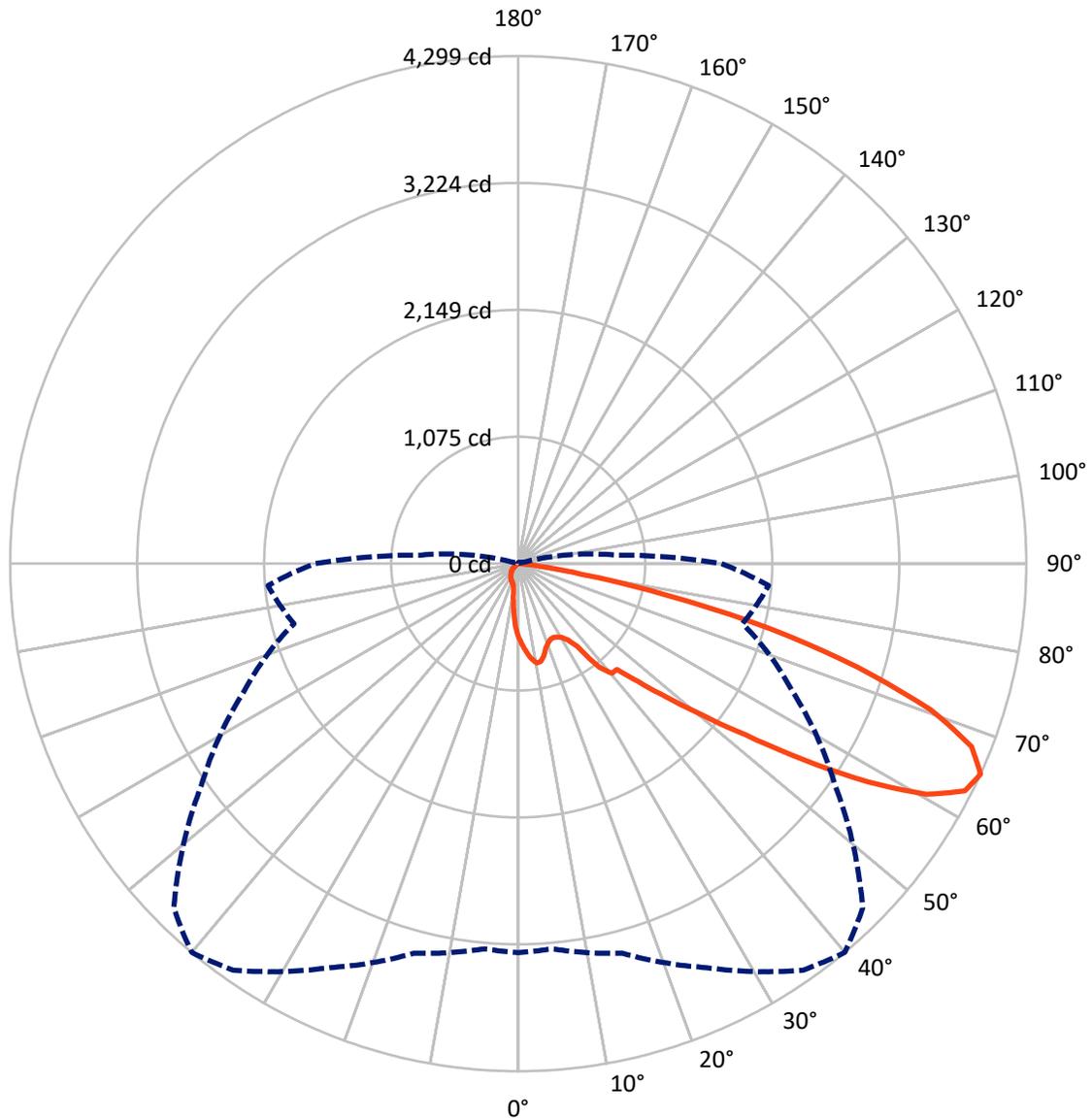
× Max cd  
 - - - 1/2 Max cd



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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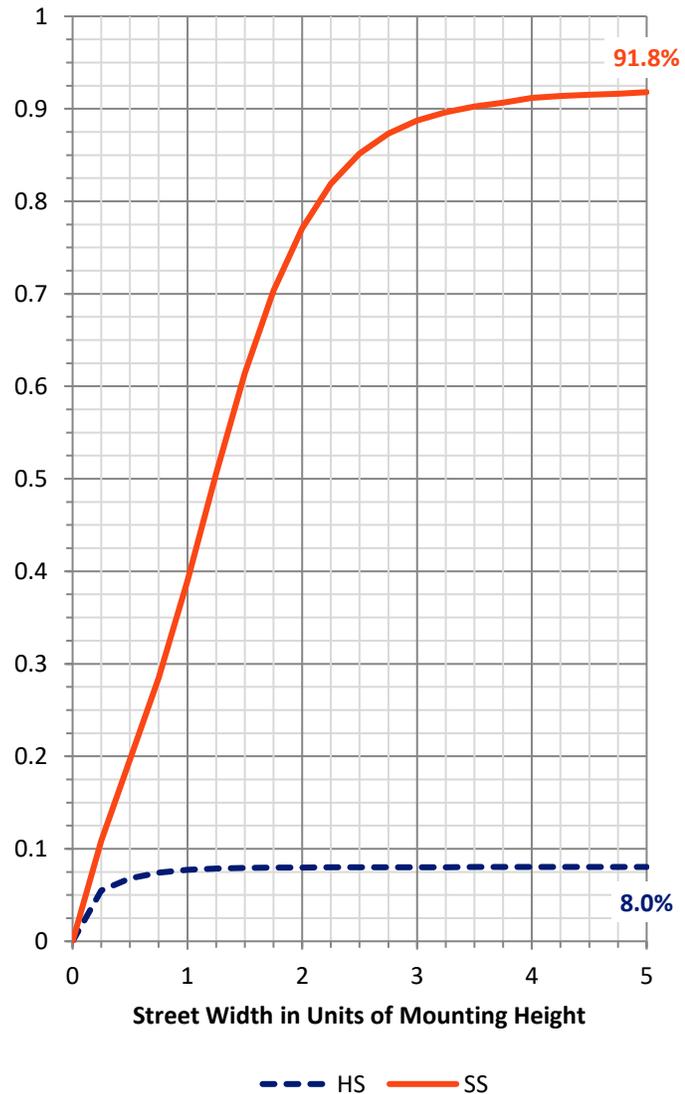
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	405.6	0.0	405.6
	% Fixture	8.1	0.0	8.1
<b>Street Side</b>	Lumens	4606.4	0.0	4606.4
	% Fixture	91.9	0.0	91.9
<b>Total</b>	Lumens	5012.0	0.0	5012.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.4	1.1
10°-20°	161.4	3.2
20°-30°	252.0	5.0
30°-40°	417.5	8.3
40°-50°	708.0	14.1
50°-60°	1247.1	24.9
60°-70°	1553.3	31.0
70°-80°	583.8	11.6
80°-90°	31.6	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°	5012.0	100.0
0°-180°	5012.0	100.0



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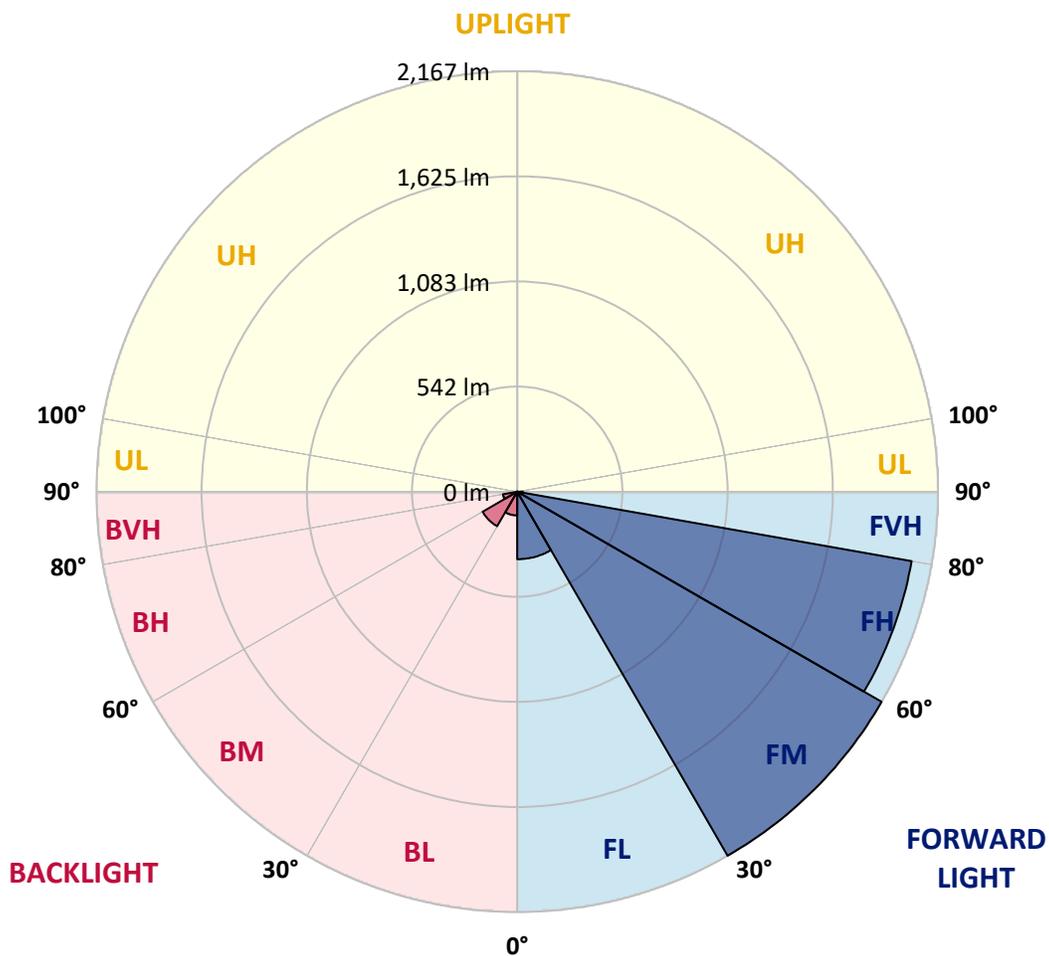
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	348.1	6.9			
FM	(30°-60°)	2166.6	43.2			
FH	(60°-80°)	2062.2	41.1			G2/5000
FVH	(80°-90°)	29.5	0.6			G1/100
BL	(0°-30°)	122.7	2.4	B1/500		
BM	(30°-60°)	206.0	4.1	B0/220		
BH	(60°-80°)	74.9	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°	625.9	625.9	625.9	625.9	625.9	625.9	625.9	625.9	625.9	625.9	625.9
2.5°	708.6	702.7	701.2	698.2	690.9	690.1	688.6	675.4	665.8	656.2	641.4
5°	777.2	772.8	769.1	768.4	763.2	756.5	755.1	736.6	718.9	699.0	668.0
7.5°	827.4	823.0	823.0	823.0	817.1	814.9	814.9	795.7	778.7	748.4	706.4
10°	837.7	834.8	837.7	845.1	852.5	855.5	858.4	854.0	840.0	806.7	755.8
12.5°	811.9	809.0	811.9	823.0	837.0	851.0	869.5	893.1	898.3	875.4	809.0
15°	786.1	782.4	776.5	774.3	789.0	810.4	835.5	899.7	947.0	940.3	870.2
17.5°	769.8	769.1	755.1	735.9	737.4	753.6	786.1	873.2	970.6	998.6	927.0
20°	754.3	752.1	736.6	709.3	703.4	718.2	745.5	836.3	966.2	1052.5	986.1
22.5°	746.2	743.3	722.6	690.1	684.2	697.5	721.9	796.4	944.0	1084.3	1042.2
25°	755.8	753.6	724.1	686.4	681.3	692.3	713.7	775.0	915.2	1096.1	1087.2
27.5°	788.3	783.9	744.7	699.7	693.1	703.4	721.1	767.6	890.1	1091.6	1123.4
30°	899.0	882.0	823.7	739.6	718.9	725.5	739.6	777.2	873.9	1085.7	1164.0
32.5°	1113.8	1104.9	1007.5	854.7	776.5	770.6	780.2	806.7	885.0	1116.7	1239.3
35°	1487.3	1476.2	1338.2	1095.3	893.1	860.6	854.7	877.6	969.1	1124.9	1251.8
37.5°	1778.1	1767.7	1651.9	1469.5	1220.1	1114.5	1045.9	1036.3	974.3	1087.2	1267.3
40°	1919.8	1902.1	1732.3	1486.5	1300.5	1221.5	1145.5	990.5	921.1	1065.1	1307.2
42.5°	2262.3	2213.5	2013.5	1705.7	1369.9	1225.2	1090.9	927.0	940.3	1088.0	1369.2
45°	2643.1	2646.1	2404.0	1995.1	1597.2	1424.5	1256.2	1003.1	1009.0	1146.3	1451.1
47.5°	3082.3	3031.4	2775.2	2361.9	1881.4	1685.8	1497.6	1135.2	1106.4	1240.0	1561.1
50°	3401.9	3369.4	3170.1	2780.4	2232.0	2009.8	1762.6	1333.7	1265.8	1347.8	1672.5
52.5°	3578.3	3570.9	3471.3	3159.0	2666.0	2407.7	2084.4	1566.2	1460.7	1466.6	1755.2
55°	3717.0	3697.1	3692.7	3539.9	3156.8	2929.5	2508.8	1882.1	1708.0	1582.5	1837.9
57.5°	3856.5	3833.7	3852.9	3825.5	3684.6	3489.0	3018.1	2225.4	1923.5	1705.7	1936.8
60°	3858.8	3835.9	3889.8	4004.9	4067.6	3966.5	3534.7	2600.3	2161.1	1832.0	2071.1
62.5°	3680.9	3658.0	3750.3	3990.1	4252.2	4239.6	3935.5	2959.8	2398.1	1958.2	2182.5
65°	3293.4	3274.9	3415.9	3775.4	4202.7	4298.7	4122.3	3272.0	2559.0	1964.1	2125.0
67.5°	2511.7	2545.0	2784.1	3280.1	3945.9	4138.5	4095.7	3353.9	2480.0	1785.5	1905.8
70°	1620.9	1681.4	1948.6	2533.9	3357.6	3701.5	3723.7	2977.5	2075.5	1451.8	1431.9
72.5°	862.8	873.9	1120.4	1639.3	2553.1	3004.8	3038.0	2241.6	1420.1	964.7	781.6
75°	377.9	408.2	548.4	921.9	1701.3	2201.7	2102.8	1343.3	732.9	441.4	302.6
77.5°	135.8	146.9	213.3	451.0	960.3	1288.7	1200.9	638.5	296.0	195.6	88.6
80°	65.7	66.4	85.6	172.0	401.5	543.2	472.4	225.9	135.1	110.0	34.7
82.5°	22.1	27.3	48.7	67.9	149.1	185.3	136.5	84.1	80.5	83.4	24.4
85°	0.0	0.7	24.4	36.9	38.4	43.5	34.7	36.9	49.5	50.2	8.1
87.5°	0.0	0.0	0.0	7.4	8.1	8.1	4.4	8.9	20.7	24.4	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°	625.9	625.9	625.9	625.9	625.9	625.9	625.9	625.9	625.9	625.9	625.9
2.5°	632.5	623.7	606.0	591.2	571.3	557.3	542.5	535.9	531.4	513.0	511.5
5°	651.0	631.1	590.5	546.2	502.6	459.8	419.2	396.4	376.4	368.3	358.7
7.5°	678.3	648.0	576.5	500.4	418.5	352.1	307.0	282.0	261.3	257.6	254.6
10°	716.0	670.2	564.6	441.4	326.2	263.5	226.6	210.4	203.7	202.2	200.0
12.5°	757.3	698.2	551.4	372.7	255.4	202.2	186.7	186.7	190.4	191.9	191.9
15°	810.4	730.7	526.3	311.5	205.2	177.1	176.4	179.4	183.0	184.5	185.3
17.5°	856.9	764.7	494.5	255.4	176.4	168.3	169.8	172.0	175.7	178.6	178.6
20°	907.1	795.7	462.0	210.4	162.4	160.2	161.6	164.6	169.0	171.2	172.0
22.5°	951.4	820.0	424.4	180.8	152.8	152.8	155.0	158.0	163.1	166.8	166.8
25°	988.3	839.2	383.8	160.9	143.9	144.7	146.9	151.3	156.5	160.2	160.9
27.5°	1017.1	848.8	337.3	144.7	135.1	135.1	138.8	143.9	150.6	155.0	155.0
30°	1054.0	863.6	301.9	132.9	125.5	125.5	128.4	135.1	143.9	149.8	149.8
32.5°	1109.4	889.4	264.2	122.5	116.6	116.6	119.6	125.5	134.3	141.7	143.2
35°	1118.2	877.6	225.9	114.4	108.5	107.8	109.2	114.4	121.8	127.0	129.2
37.5°	1132.2	877.6	189.7	105.5	100.4	99.6	100.4	102.6	105.5	107.0	106.3
40°	1163.2	883.5	159.4	98.2	93.0	91.5	90.8	90.0	87.1	83.4	82.7
42.5°	1212.0	899.0	133.6	90.0	84.9	83.4	81.2	76.0	69.4	64.2	64.2
45°	1270.3	913.0	112.2	83.4	77.5	76.0	69.4	61.3	53.1	49.5	49.5
47.5°	1341.9	930.0	95.2	77.5	71.6	67.9	56.8	47.2	40.6	39.1	39.1
50°	1424.5	940.3	80.5	70.9	65.7	59.0	45.0	36.9	31.7	31.0	31.0
52.5°	1482.1	939.6	68.6	65.0	59.8	49.5	36.2	29.5	25.8	24.4	24.4
55°	1537.5	929.3	57.6	57.6	51.7	39.9	29.5	24.4	20.7	19.2	18.5
57.5°	1604.6	924.1	49.5	48.0	42.1	32.5	24.4	19.9	16.2	13.3	12.5
60°	1711.6	933.0	41.3	38.4	33.2	25.8	19.9	15.5	11.8	8.1	7.4
62.5°	1783.2	924.1	34.0	31.0	26.6	20.7	14.8	11.1	6.6	4.4	3.7
65°	1716.8	825.2	28.8	25.1	21.4	16.2	11.1	7.4	3.0	0.7	0.0
67.5°	1484.3	659.1	24.4	20.7	17.0	12.5	8.1	4.4	0.7	0.0	0.0
70°	1079.1	444.3	21.4	17.0	13.3	10.3	5.9	2.2	0.0	0.0	0.0
72.5°	564.6	208.9	19.2	15.5	11.8	8.1	4.4	1.5	0.0	0.0	0.0
75°	197.8	75.3	17.7	14.8	10.3	6.6	3.7	1.5	0.0	0.0	0.0
77.5°	62.0	34.0	17.7	15.5	11.1	6.6	3.7	1.5	0.0	0.0	0.0
80°	28.0	22.1	16.2	14.8	10.3	6.6	3.7	0.7	0.0	0.0	0.0
82.5°	19.9	17.7	15.5	13.3	9.6	5.9	3.0	0.7	0.0	0.0	0.0
85°	7.4	5.9	5.9	7.4	6.6	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)