

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: P1207800

Luminaire Tested: UPW-SA1-030-730-U-SL3-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1207800  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-4)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/20/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-030-730-U-SL3-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3135 lumens  
Efficiency: N/A  
Efficacy: 92.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G1

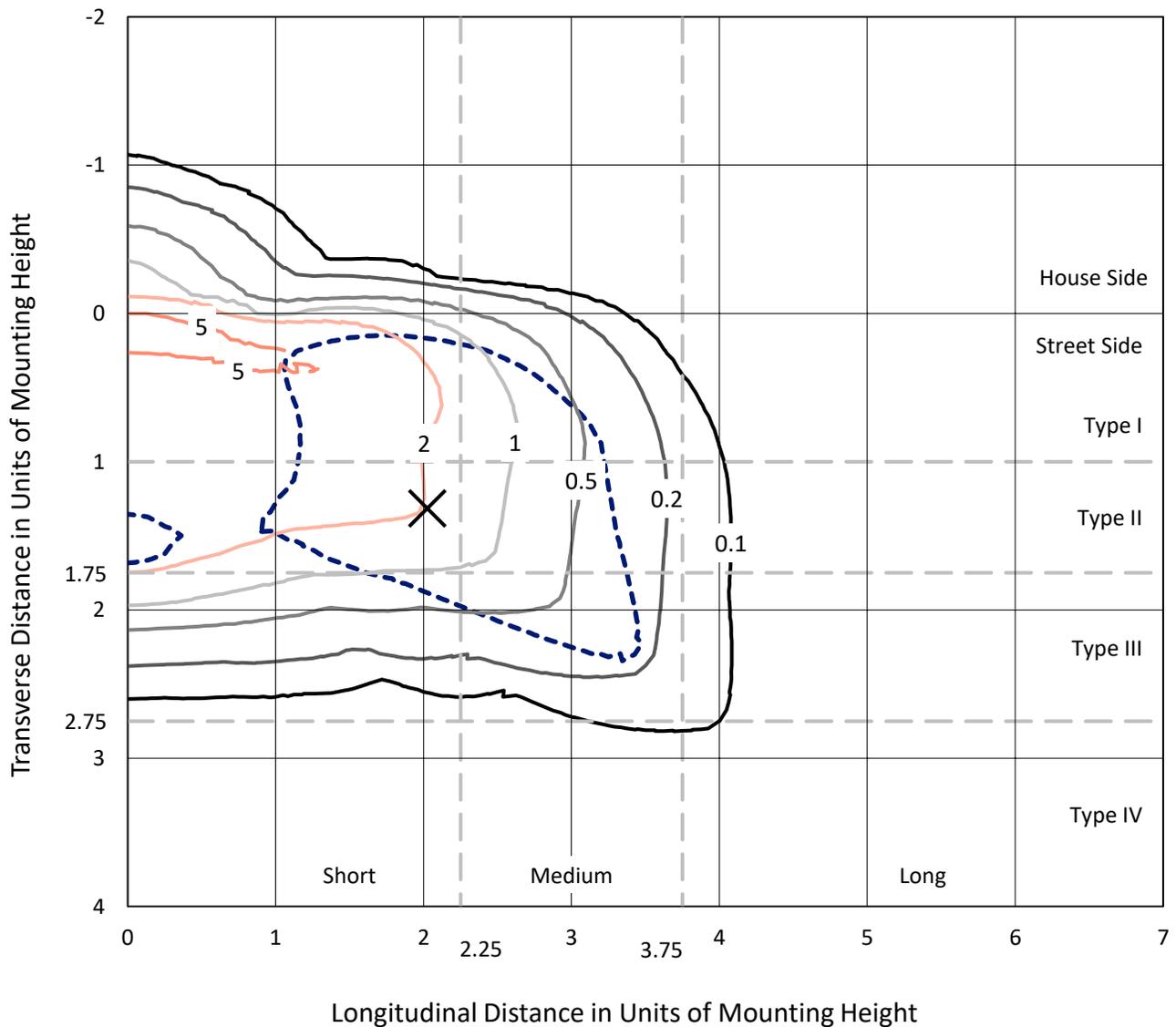
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

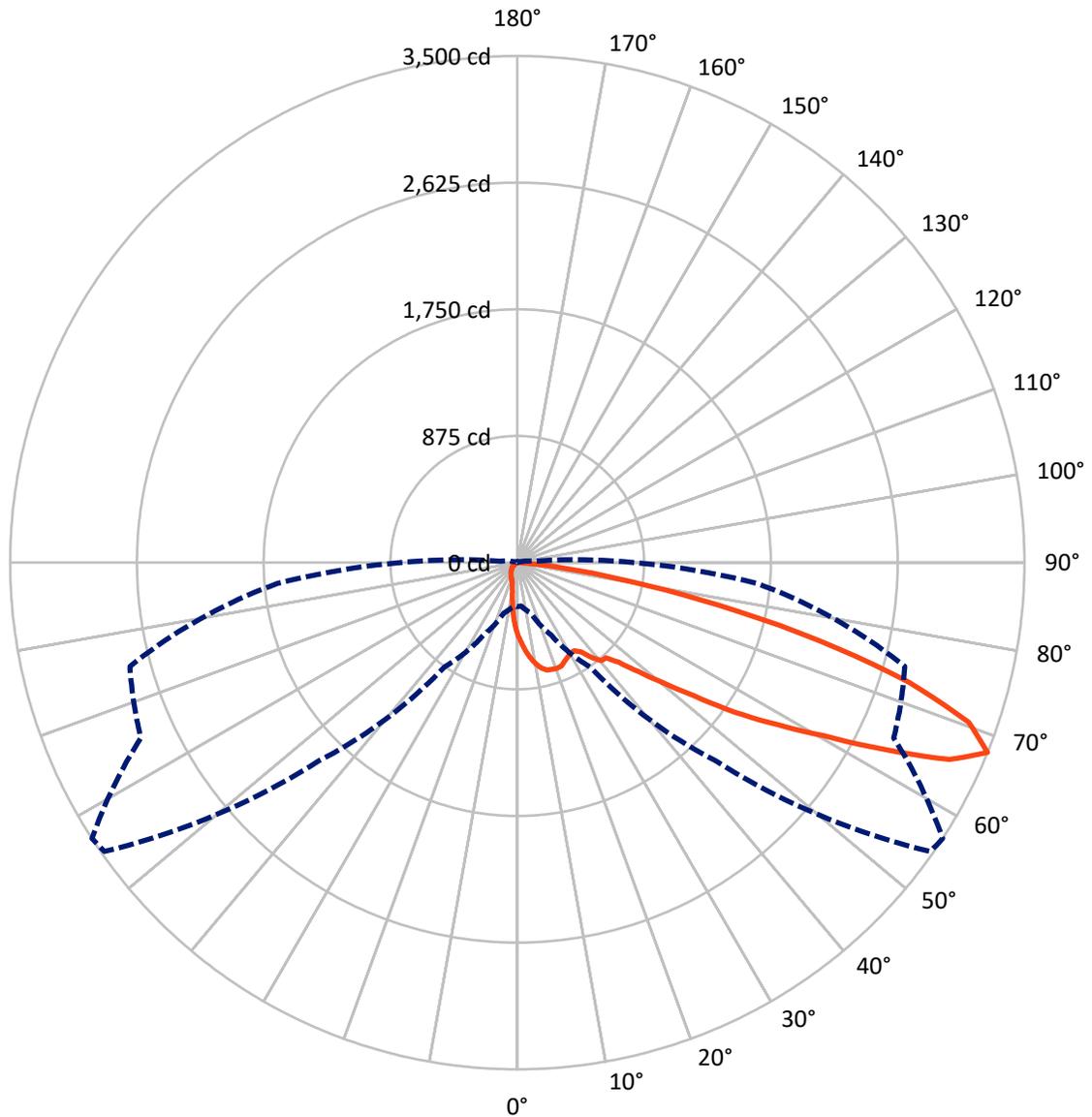
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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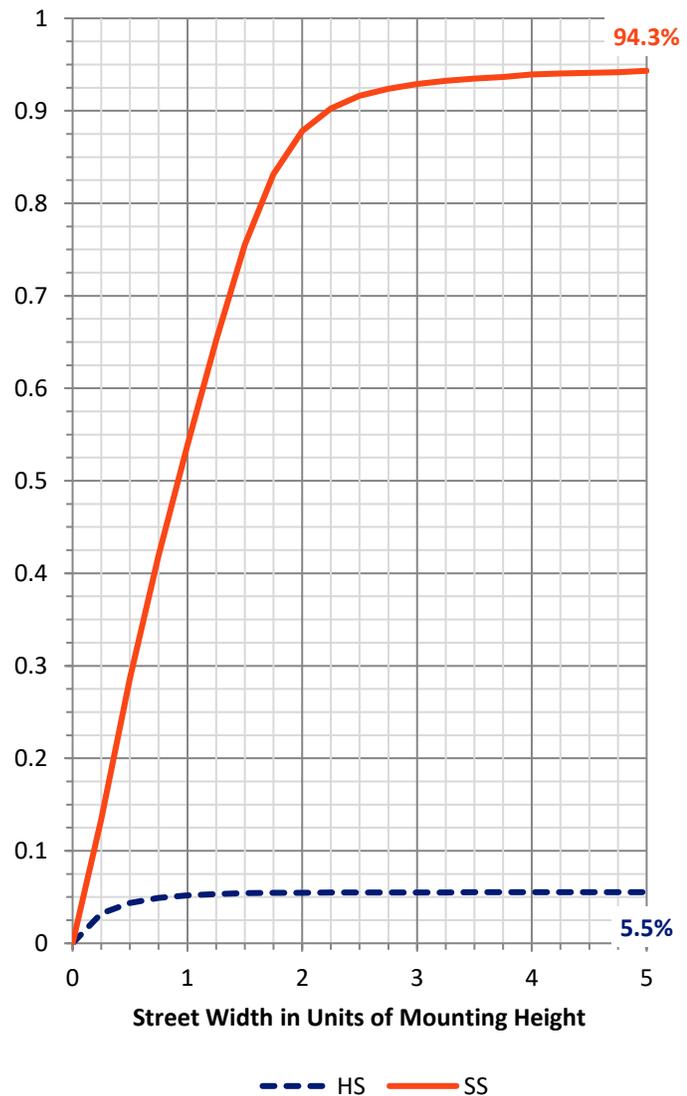
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	174.5	0.0	174.5
	% Fixture	5.6	0.0	5.6
<b>Street Side</b>	Lumens	2960.5	0.0	2960.5
	% Fixture	94.4	0.0	94.4
<b>Total</b>	Lumens	3135.0	0.0	3135.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.8	1.4
10°-20°	116.6	3.7
20°-30°	170.7	5.4
30°-40°	256.6	8.2
40°-50°	418.7	13.4
50°-60°	792.5	25.3
60°-70°	905.6	28.9
70°-80°	395.3	12.6
80°-90°	34.1	1.1
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°	3135.0	100.0
0°-180°	3135.0	100.0



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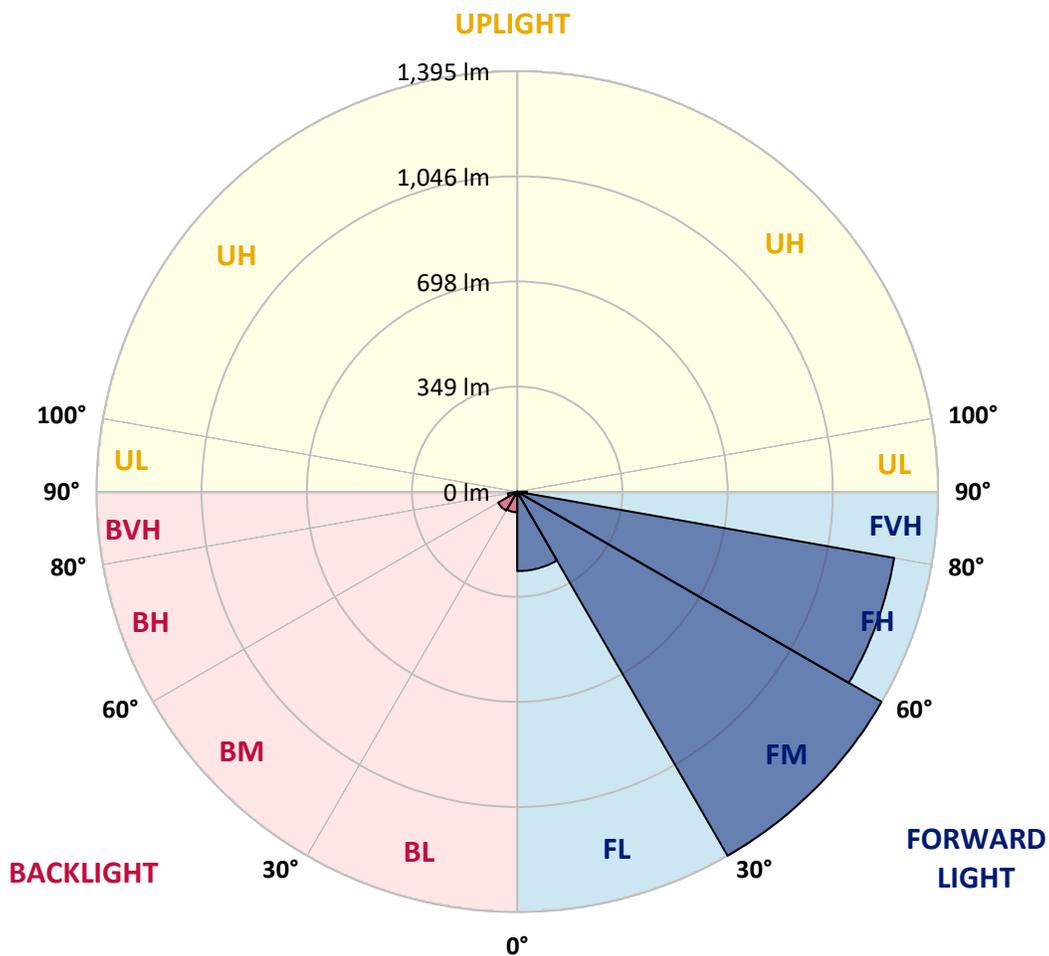
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	263.6	8.4			
FM	(30°-60°)	1395.1	44.5			
FH	(60°-80°)	1269.3	40.5			G1/1800
FVH	(80°-90°)	32.4	1.0			G1/100
BL	(0°-30°)	68.5	2.2	B0/110		
BM	(30°-60°)	72.7	2.3	B0/220		
BH	(60°-80°)	31.6	1.0	B0/110		G0/110
BVH	(80°-90°)	1.7	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8
2.5°	588.8	593.6	595.6	587.3	579.5	573.7	562.0	554.7	543.5	529.9	510.9
5°	675.4	674.9	670.0	663.7	660.3	641.8	622.4	614.6	596.6	562.5	525.5
7.5°	708.0	710.9	714.3	710.4	704.6	694.9	672.0	666.1	639.9	595.6	543.5
10°	692.9	697.8	703.6	713.8	733.3	736.7	719.2	712.9	681.2	632.6	558.6
12.5°	623.3	630.6	640.4	673.4	718.7	746.9	750.8	748.9	722.1	665.7	569.3
15°	530.9	523.1	548.4	594.1	668.6	733.3	768.3	769.8	756.2	696.8	581.0
17.5°	461.3	468.6	479.8	514.3	591.7	684.6	765.9	775.1	781.5	729.9	594.6
20°	449.6	450.1	455.0	473.9	514.3	626.2	757.6	779.5	812.6	762.5	600.5
22.5°	460.8	457.9	460.3	464.2	489.5	566.9	740.1	775.6	831.1	802.9	612.6
25°	475.4	478.8	474.4	469.6	484.2	540.1	719.7	756.2	858.8	838.9	618.0
27.5°	516.3	518.2	506.5	489.0	494.4	528.0	688.0	740.6	900.7	879.3	626.7
30°	582.9	581.0	556.7	528.0	515.8	535.7	668.1	723.6	923.1	910.4	622.4
32.5°	632.6	628.7	604.8	575.2	553.7	565.4	668.1	725.5	968.3	964.9	630.6
35°	677.3	673.9	644.3	620.4	601.9	612.6	705.6	757.1	1033.0	1066.1	659.8
37.5°	726.0	716.8	693.4	652.0	646.2	687.6	786.3	829.2	1135.7	1160.0	660.8
40°	802.9	795.1	757.6	714.8	683.2	743.5	849.6	890.5	1208.2	1235.5	656.9
42.5°	908.5	890.0	843.8	781.5	730.9	773.7	856.9	899.2	1263.2	1352.7	694.4
45°	1023.3	1018.0	953.7	873.4	819.9	814.6	934.3	981.0	1385.3	1542.0	775.6
47.5°	1189.2	1147.4	1062.7	977.1	931.3	895.3	1053.0	1124.0	1534.2	1763.4	896.8
50°	1363.9	1339.6	1210.6	1092.4	1036.4	1023.3	1240.8	1305.0	1725.0	2012.6	1098.7
52.5°	1661.7	1605.8	1431.6	1282.7	1185.8	1173.2	1445.2	1527.4	1940.1	2309.9	1302.6
55°	1862.2	1827.6	1652.5	1540.1	1413.1	1374.6	1734.7	1824.7	2203.3	2569.2	1506.5
57.5°	1926.4	1884.1	1726.4	1699.2	1670.0	1691.9	2034.9	2109.9	2385.8	2771.6	1687.0
60°	1669.0	1667.6	1577.5	1648.6	1793.1	2046.1	2389.7	2422.8	2533.7	2895.7	1799.4
62.5°	1200.4	1196.5	1214.5	1390.7	1660.3	2286.0	2877.7	2840.7	2662.2	2964.8	1860.3
65°	622.4	625.3	715.8	947.9	1335.7	2267.5	3324.4	3277.7	2741.5	2922.5	1817.4
67.5°	303.6	301.2	360.1	551.3	882.2	1936.2	3477.7	3499.6	2866.0	2767.3	1662.7
70°	151.3	153.3	196.1	291.0	481.7	1390.7	3211.5	3304.5	2751.2	2436.9	1416.0
72.5°	106.6	108.0	133.3	172.7	225.3	844.2	2665.6	2825.7	2296.2	1938.6	998.0
75°	76.4	78.8	97.8	128.9	125.1	423.8	2060.2	2155.1	1664.6	1197.0	528.9
77.5°	55.5	58.9	76.4	99.3	86.6	178.1	1426.7	1424.3	939.1	568.8	214.1
80°	36.5	38.9	56.4	73.5	61.8	82.7	836.0	787.3	415.6	218.0	77.9
82.5°	20.4	21.4	38.0	51.1	42.8	38.9	373.7	344.5	140.6	79.8	36.5
85°	1.5	2.4	22.4	32.1	22.9	19.5	104.6	94.9	45.3	36.5	19.5
87.5°	0.0	0.0	2.9	5.8	3.9	2.9	25.3	21.9	13.6	21.4	9.7
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°	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8	498.8
2.5°	503.1	489.5	469.1	449.1	429.7	412.1	399.5	386.8	381.5	369.3	390.2
5°	506.1	481.7	433.1	385.9	345.0	301.2	272.5	252.1	241.8	232.6	233.1
7.5°	509.0	472.0	397.1	317.3	258.4	212.2	186.4	177.1	173.2	168.4	168.4
10°	505.6	456.4	345.5	249.6	189.8	165.0	150.8	147.4	149.4	148.9	150.4
12.5°	505.6	437.9	292.9	194.6	155.7	141.1	137.2	136.7	139.7	141.6	142.6
15°	499.2	409.7	240.4	159.6	136.2	130.9	129.4	129.4	131.4	133.3	132.8
17.5°	493.9	381.5	196.6	137.2	124.6	123.1	122.1	121.2	123.6	125.5	126.0
20°	480.8	342.1	162.0	123.6	116.8	114.8	114.3	113.4	115.8	117.8	119.2
22.5°	461.8	297.3	138.7	113.4	110.0	107.5	106.1	106.6	109.0	110.9	110.0
25°	436.5	257.9	121.6	106.1	101.2	99.8	97.8	98.8	99.3	101.2	102.7
27.5°	408.7	219.5	110.5	100.2	95.4	92.5	90.0	89.5	90.0	92.5	91.5
30°	367.9	185.9	102.7	93.4	88.1	84.2	81.3	79.8	79.3	79.8	80.3
32.5°	336.7	163.5	97.3	88.1	81.3	76.4	73.0	70.1	69.1	68.1	68.1
35°	316.8	151.3	92.0	80.8	74.4	69.6	64.2	60.8	58.9	57.9	58.4
37.5°	274.0	130.4	85.6	75.4	68.1	62.3	56.9	51.6	50.1	51.1	51.1
40°	237.9	111.9	79.8	69.1	60.8	55.5	49.6	43.3	42.3	45.3	45.7
42.5°	224.3	103.6	74.4	63.3	54.5	50.1	42.3	37.5	37.5	39.9	40.4
45°	240.9	101.2	69.6	57.9	49.1	44.3	36.5	32.1	32.1	34.5	35.0
47.5°	293.4	105.1	64.7	52.6	45.3	38.9	30.2	28.2	28.2	29.2	29.7
50°	404.8	117.8	59.9	47.2	41.4	33.1	26.3	24.3	23.8	24.3	24.3
52.5°	546.4	143.1	54.5	42.3	36.5	27.7	22.9	20.9	19.5	19.5	19.0
55°	689.5	170.3	49.1	37.5	31.6	23.8	19.5	17.5	15.1	14.1	13.6
57.5°	815.5	192.2	42.8	33.1	27.2	20.4	17.0	13.1	9.7	7.8	7.8
60°	893.9	198.0	37.0	28.7	22.4	17.5	13.6	8.8	4.9	3.9	3.4
62.5°	908.5	179.6	31.6	24.3	19.0	14.6	9.7	4.9	1.9	0.5	0.5
65°	869.1	141.6	27.2	20.4	15.6	11.7	6.3	2.4	0.0	0.0	0.0
67.5°	802.9	111.4	22.9	17.0	13.1	9.2	3.9	0.5	0.0	0.0	0.0
70°	700.2	89.0	20.0	14.6	11.2	7.8	2.4	0.0	0.0	0.0	0.0
72.5°	515.8	58.9	17.5	13.1	9.7	5.8	1.5	0.0	0.0	0.0	0.0
75°	282.2	37.5	16.1	12.2	9.2	4.9	1.0	0.0	0.0	0.0	0.0
77.5°	114.3	26.3	14.1	11.7	9.2	4.9	1.0	0.0	0.0	0.0	0.0
80°	43.3	18.5	12.2	10.2	8.8	4.9	1.0	0.0	0.0	0.0	0.0
82.5°	22.9	15.1	11.7	10.2	8.3	4.4	0.5	0.0	0.0	0.0	0.0
85°	11.2	4.9	5.8	5.8	6.8	3.9	0.5	0.0	0.0	0.0	0.0
87.5°	2.4	0.0	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)