

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: P1207854

Luminaire Tested: UPW-SA1-030-740-U-SL3-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1207854  
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-SA1-030-740-U-SL3-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 4000K, 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: 3442 lumens  
Efficiency: N/A  
Efficacy: 101.2 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

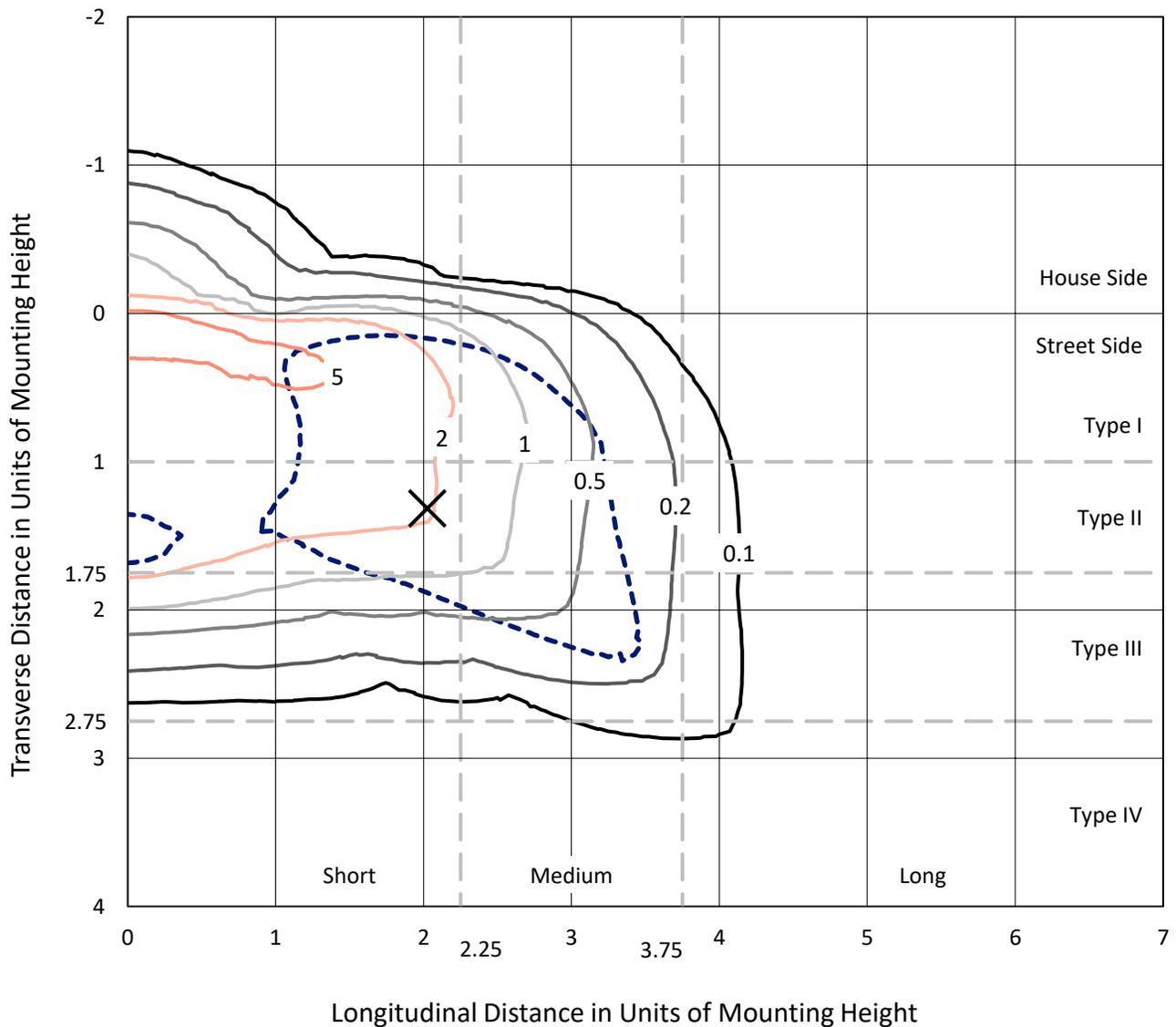
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

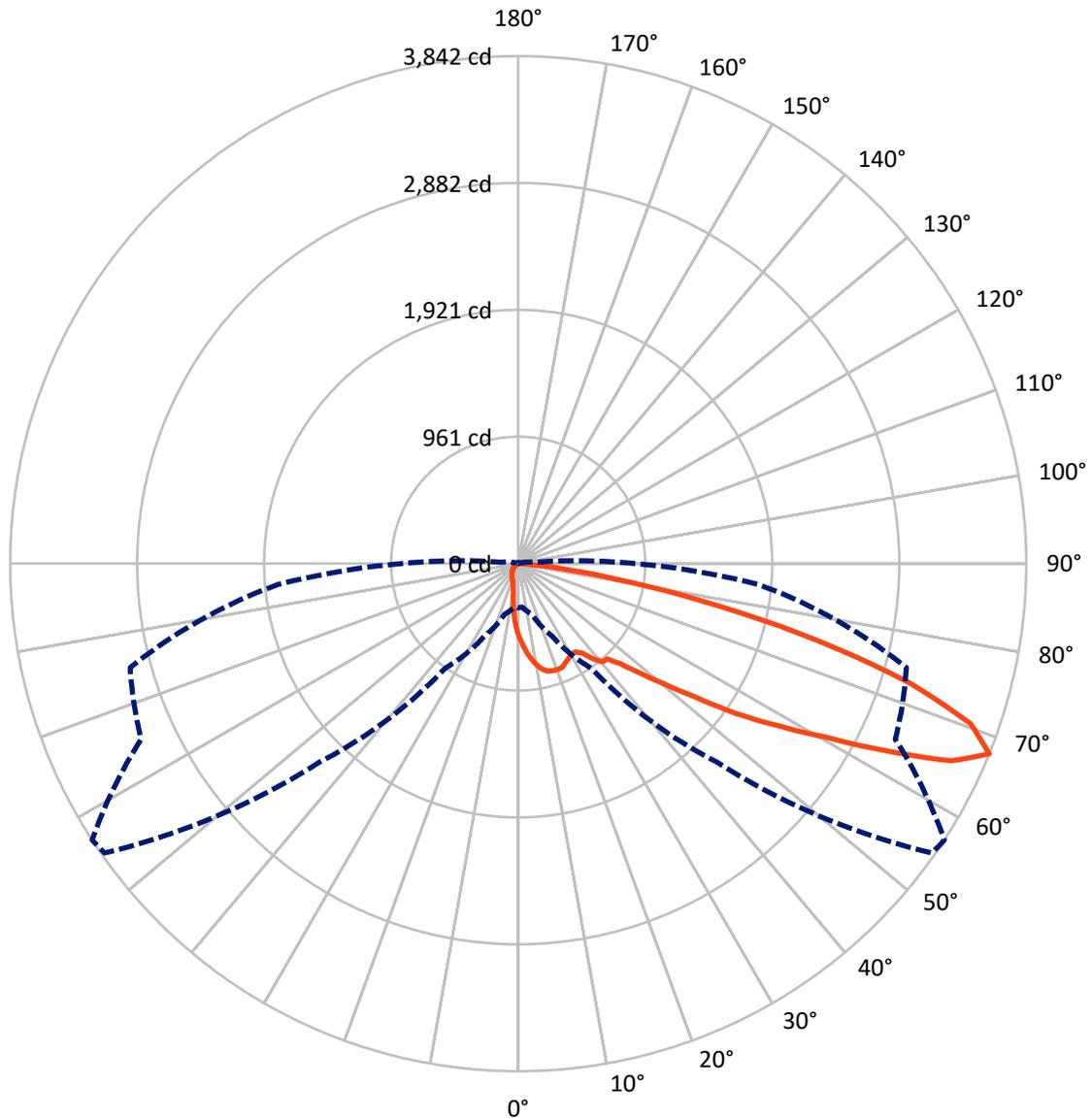
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 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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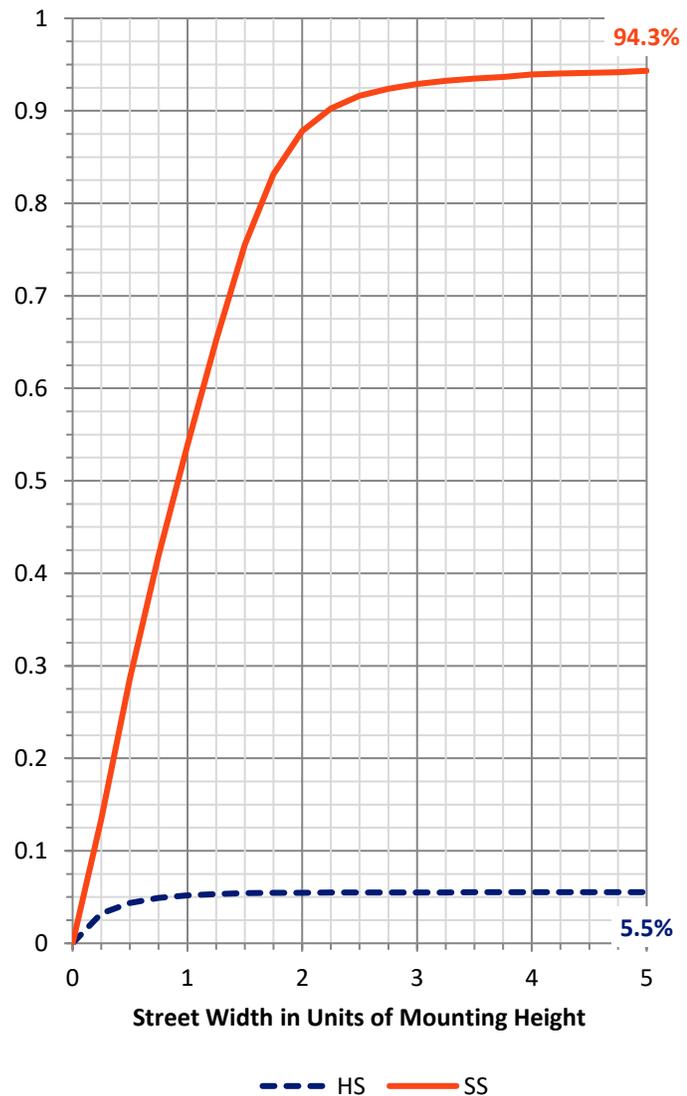
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	191.6	0.0	191.6
	% Fixture	5.6	0.0	5.6
<b>Street Side</b>	Lumens	3250.4	0.0	3250.4
	% Fixture	94.4	0.0	94.4
<b>Total</b>	Lumens	3442.0	0.0	3442.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.2	1.4
10°-20°	128.0	3.7
20°-30°	187.4	5.4
30°-40°	281.8	8.2
40°-50°	459.7	13.4
50°-60°	870.1	25.3
60°-70°	994.3	28.9
70°-80°	434.0	12.6
80°-90°	37.5	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°	3442.0	100.0
0°-180°	3442.0	100.0



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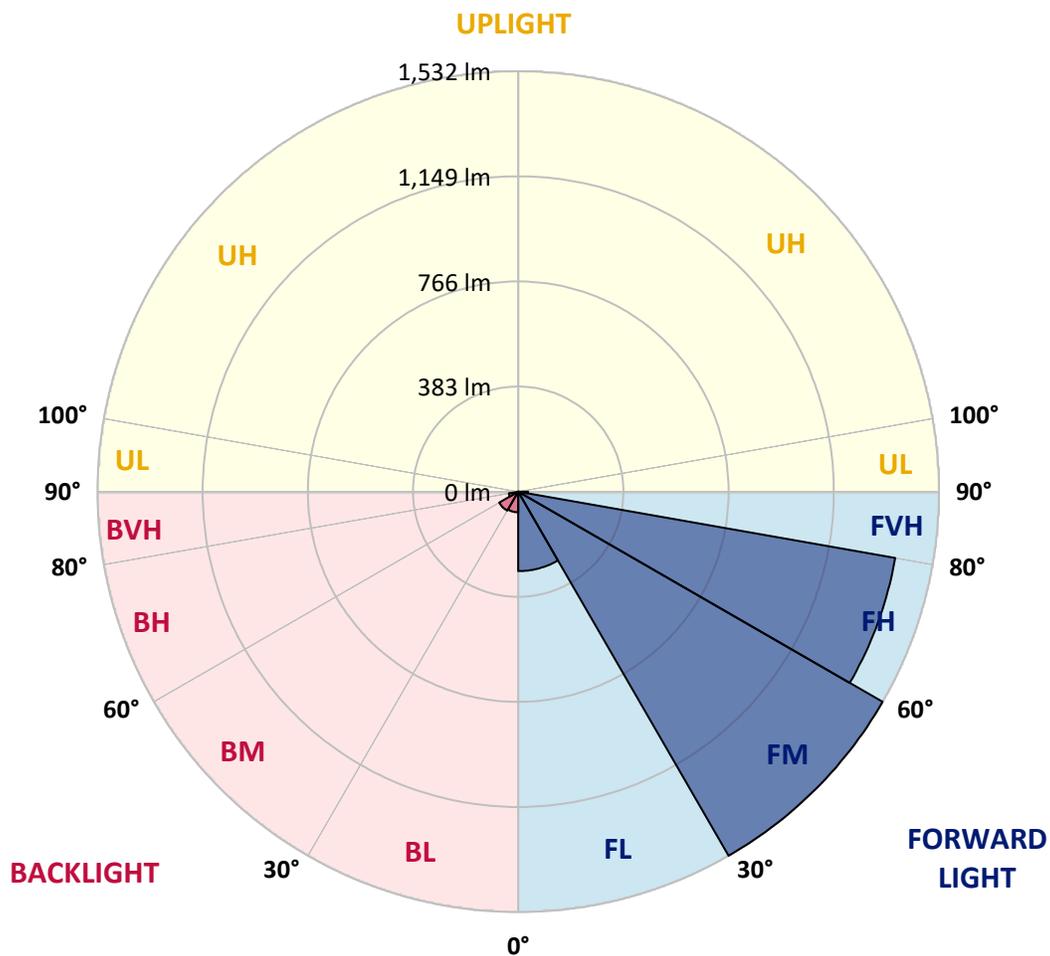
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	289.4	8.4			
FM	(30°-60°)	1531.8	44.5			
FH	(60°-80°)	1393.6	40.5			G1/1800
FVH	(80°-90°)	35.6	1.0			G1/100
BL	(0°-30°)	75.2	2.2	B0/110		
BM	(30°-60°)	79.8	2.3	B0/220		
BH	(60°-80°)	34.7	1.0	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	547.6	547.6	547.6	547.6	547.6	547.6	547.6	547.6	547.6	547.6	547.6
2.5°	646.4	651.8	653.9	644.8	636.3	629.9	617.1	609.0	596.8	581.8	561.0
5°	741.5	741.0	735.7	728.7	725.0	704.7	683.3	674.8	655.0	617.6	577.0
7.5°	777.3	780.5	784.3	780.0	773.6	762.9	737.8	731.4	702.5	653.9	596.8
10°	760.8	766.1	772.5	783.7	805.1	808.8	789.6	782.7	747.9	694.5	613.3
12.5°	684.4	692.4	703.1	739.4	789.1	820.1	824.3	822.2	792.8	730.8	625.1
15°	582.9	574.3	602.1	652.3	734.1	805.1	843.6	845.2	830.2	765.0	637.9
17.5°	506.5	514.5	526.8	564.7	649.6	751.7	840.9	851.1	858.0	801.4	652.8
20°	493.6	494.2	499.5	520.4	564.7	687.6	831.8	855.9	892.2	837.2	659.3
22.5°	505.9	502.7	505.4	509.7	537.5	622.4	812.6	851.6	912.5	881.5	672.6
25°	522.0	525.7	520.9	515.5	531.6	593.0	790.1	830.2	942.9	921.0	678.5
27.5°	566.8	569.0	556.1	536.9	542.8	579.7	755.4	813.1	988.9	965.4	688.1
30°	640.0	637.9	611.2	579.7	566.3	588.2	733.5	794.4	1013.5	999.6	683.3
32.5°	694.5	690.2	664.1	631.5	608.0	620.8	733.5	796.6	1063.1	1059.4	692.4
35°	743.7	739.9	707.3	681.2	660.9	672.6	774.7	831.3	1134.2	1170.5	724.4
37.5°	797.1	786.9	761.3	715.9	709.5	754.9	863.3	910.4	1246.9	1273.6	725.5
40°	881.5	873.0	831.8	784.8	750.1	816.3	932.8	977.7	1326.5	1356.4	721.2
42.5°	997.4	977.1	926.4	858.0	802.4	849.4	940.8	987.3	1386.9	1485.2	762.4
45°	1123.5	1117.6	1047.1	959.0	900.2	894.3	1025.8	1077.0	1521.0	1693.0	851.6
47.5°	1305.7	1259.8	1166.8	1072.8	1022.5	983.0	1156.1	1234.1	1684.5	1936.1	984.6
50°	1497.5	1470.8	1329.2	1199.4	1137.9	1123.5	1362.3	1432.8	1893.9	2209.6	1206.3
52.5°	1824.4	1763.0	1571.7	1408.3	1302.0	1288.1	1586.7	1677.0	2130.0	2536.1	1430.2
55°	2044.6	2006.6	1814.3	1690.9	1551.4	1509.2	1904.6	2003.4	2419.1	2820.8	1654.0
57.5°	2115.1	2068.6	1895.5	1865.6	1833.5	1857.6	2234.2	2316.5	2619.4	3043.1	1852.2
60°	1832.5	1830.9	1732.0	1810.0	1968.7	2246.5	2623.7	2660.0	2781.8	3179.3	1975.6
62.5°	1318.0	1313.7	1333.5	1526.9	1822.8	2509.9	3159.5	3118.9	2922.9	3255.2	2042.4
65°	683.3	686.5	785.9	1040.7	1466.5	2489.6	3650.0	3598.7	3009.9	3208.7	1995.4
67.5°	333.4	330.7	395.3	605.3	968.6	2125.8	3818.3	3842.3	3146.7	3038.3	1825.5
70°	166.2	168.3	215.3	319.5	528.9	1526.9	3526.0	3628.1	3020.6	2675.5	1554.7
72.5°	117.0	118.6	146.4	189.7	247.4	926.9	2926.6	3102.4	2521.1	2128.4	1095.7
75°	83.9	86.5	107.4	141.6	137.3	465.3	2262.0	2366.2	1827.7	1314.2	580.7
77.5°	60.9	64.6	83.9	109.0	95.1	195.5	1566.4	1563.7	1031.1	624.5	235.1
80°	40.1	42.7	62.0	80.7	67.8	90.8	917.8	864.4	456.2	239.3	85.5
82.5°	22.4	23.5	41.7	56.1	47.0	42.7	410.3	378.2	154.4	87.6	40.1
85°	1.6	2.7	24.6	35.3	25.1	21.4	114.9	104.2	49.7	40.1	21.4
87.5°	0.0	0.0	3.2	6.4	4.3	3.2	27.8	24.0	15.0	23.5	10.7
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°	547.6	547.6	547.6	547.6	547.6	547.6	547.6	547.6	547.6	547.6	547.6
2.5°	552.4	537.5	515.0	493.1	471.7	452.5	438.6	424.7	418.8	405.5	428.5
5°	555.6	528.9	475.5	423.7	378.8	330.7	299.2	276.7	265.5	255.4	255.9
7.5°	558.8	518.2	435.9	348.3	283.7	232.9	204.6	194.5	190.2	184.8	184.8
10°	555.1	501.1	379.3	274.1	208.4	181.1	165.6	161.9	164.0	163.5	165.1
12.5°	555.1	480.8	321.6	213.7	171.0	154.9	150.7	150.1	153.3	155.5	156.5
15°	548.1	449.8	263.9	175.2	149.6	143.7	142.1	142.1	144.2	146.4	145.8
17.5°	542.3	418.8	215.8	150.7	136.8	135.2	134.1	133.0	135.7	137.8	138.4
20°	527.8	375.6	177.9	135.7	128.2	126.1	125.5	124.5	127.2	129.3	130.9
22.5°	507.0	326.4	152.3	124.5	120.7	118.1	116.5	117.0	119.7	121.8	120.7
25°	479.2	283.1	133.6	116.5	111.1	109.5	107.4	108.5	109.0	111.1	112.7
27.5°	448.8	240.9	121.3	110.1	104.7	101.5	98.8	98.3	98.8	101.5	100.4
30°	403.9	204.1	112.7	102.6	96.7	92.4	89.2	87.6	87.1	87.6	88.2
32.5°	369.7	179.5	106.8	96.7	89.2	83.9	80.1	76.9	75.9	74.8	74.8
35°	347.8	166.2	101.0	88.7	81.7	76.4	70.5	66.8	64.6	63.6	64.1
37.5°	300.8	143.2	94.0	82.8	74.8	68.4	62.5	56.6	55.0	56.1	56.1
40°	261.2	122.9	87.6	75.9	66.8	60.9	54.5	47.5	46.5	49.7	50.2
42.5°	246.3	113.8	81.7	69.5	59.8	55.0	46.5	41.1	41.1	43.8	44.3
45°	264.5	111.1	76.4	63.6	54.0	48.6	40.1	35.3	35.3	37.9	38.5
47.5°	322.1	115.4	71.1	57.7	49.7	42.7	33.1	31.0	31.0	32.1	32.6
50°	444.5	129.3	65.7	51.8	45.4	36.3	28.8	26.7	26.2	26.7	26.7
52.5°	600.0	157.1	59.8	46.5	40.1	30.5	25.1	23.0	21.4	21.4	20.8
55°	757.0	187.0	54.0	41.1	34.7	26.2	21.4	19.2	16.6	15.5	15.0
57.5°	895.4	211.0	47.0	36.3	29.9	22.4	18.7	14.4	10.7	8.5	8.5
60°	981.4	217.4	40.6	31.5	24.6	19.2	15.0	9.6	5.3	4.3	3.7
62.5°	997.4	197.1	34.7	26.7	20.8	16.0	10.7	5.3	2.1	0.5	0.5
65°	954.2	155.5	29.9	22.4	17.1	12.8	6.9	2.7	0.0	0.0	0.0
67.5°	881.5	122.3	25.1	18.7	14.4	10.2	4.3	0.5	0.0	0.0	0.0
70°	768.8	97.8	21.9	16.0	12.3	8.5	2.7	0.0	0.0	0.0	0.0
72.5°	566.3	64.6	19.2	14.4	10.7	6.4	1.6	0.0	0.0	0.0	0.0
75°	309.9	41.1	17.6	13.4	10.2	5.3	1.1	0.0	0.0	0.0	0.0
77.5°	125.5	28.8	15.5	12.8	10.2	5.3	1.1	0.0	0.0	0.0	0.0
80°	47.5	20.3	13.4	11.2	9.6	5.3	1.1	0.0	0.0	0.0	0.0
82.5°	25.1	16.6	12.8	11.2	9.1	4.8	0.5	0.0	0.0	0.0	0.0
85°	12.3	5.3	6.4	6.4	7.5	4.3	0.5	0.0	0.0	0.0	0.0
87.5°	2.7	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)