

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: P1207775

Luminaire Tested: UPW-SA1-030-727-U-SL4-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1207775  
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-SA1-030-727-U-SL4-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 2700K, 615mA 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: 3033 lumens  
Efficiency: N/A  
Efficacy: 89.2 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

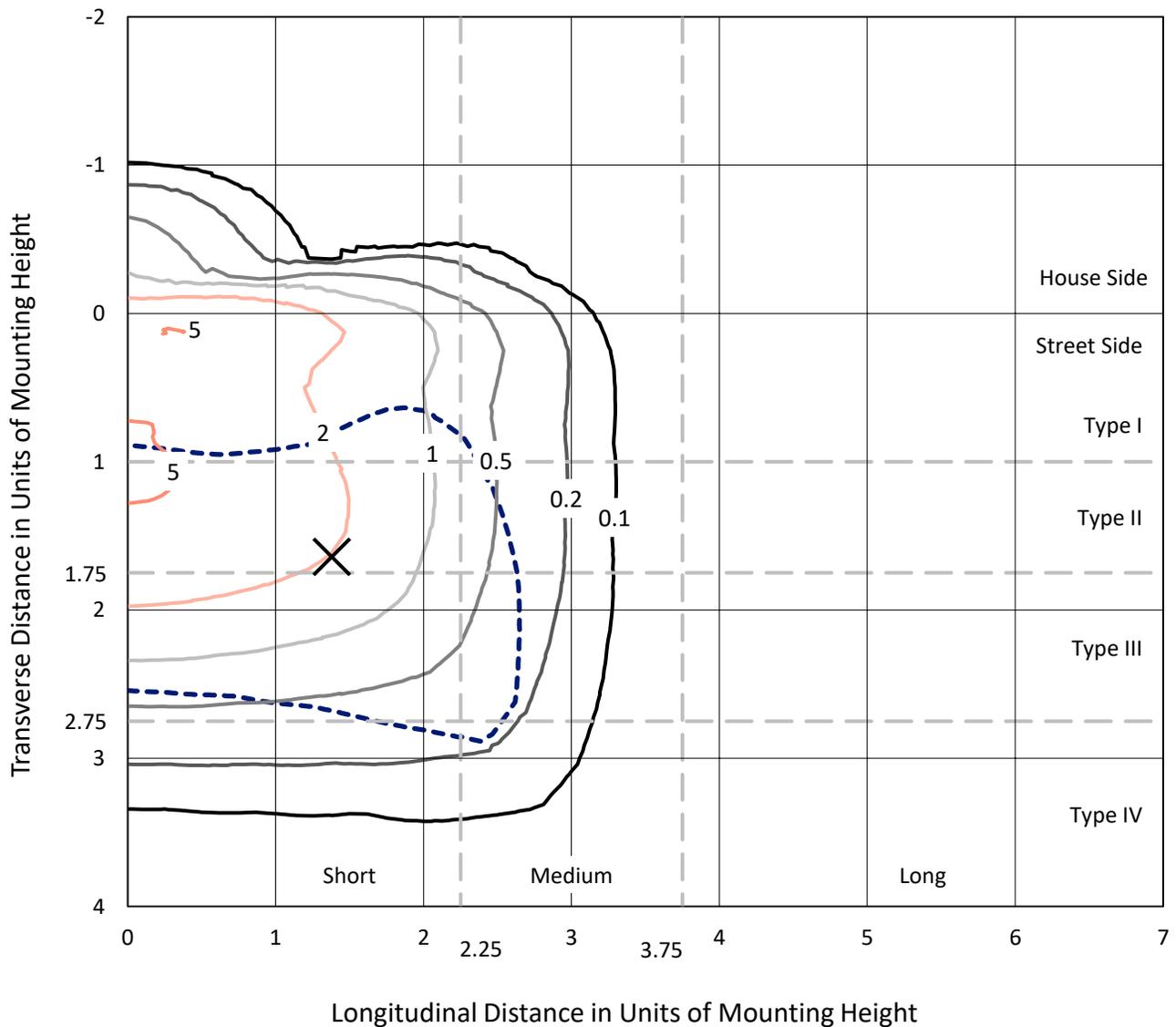
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

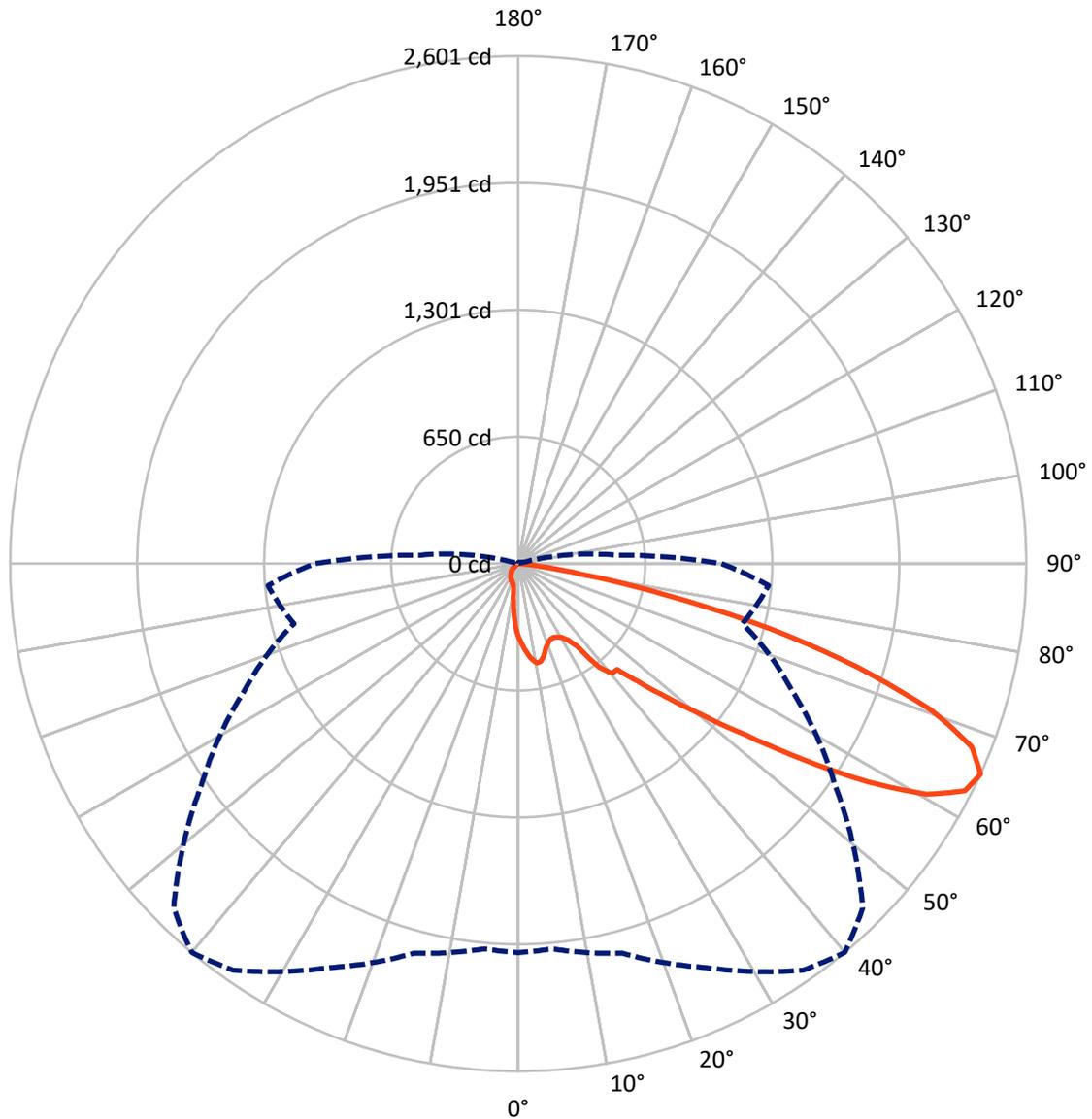
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 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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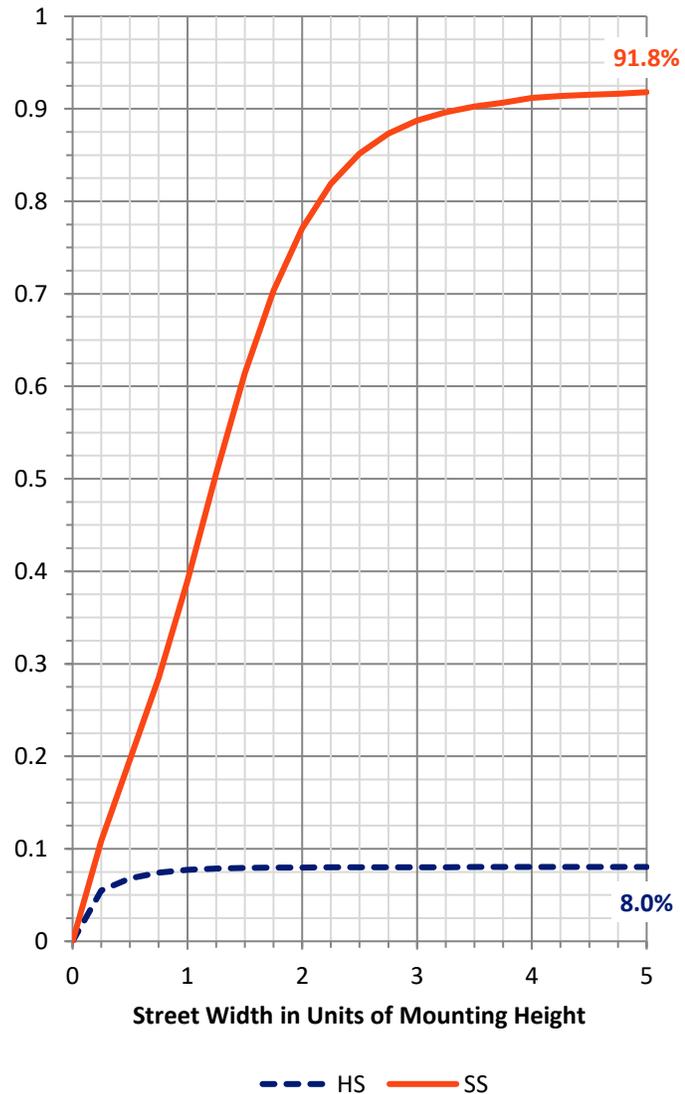
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	245.5	0.0	245.5
	% Fixture	8.1	0.0	8.1
<b>Street Side</b>	Lumens	2787.5	0.0	2787.5
	% Fixture	91.9	0.0	91.9
<b>Total</b>	Lumens	3033.0	0.0	3033.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.8	1.1
10°-20°	97.7	3.2
20°-30°	152.5	5.0
30°-40°	252.7	8.3
40°-50°	428.4	14.1
50°-60°	754.7	24.9
60°-70°	940.0	31.0
70°-80°	353.3	11.6
80°-90°	19.1	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°	3033.0	100.0
0°-180°	3033.0	100.0



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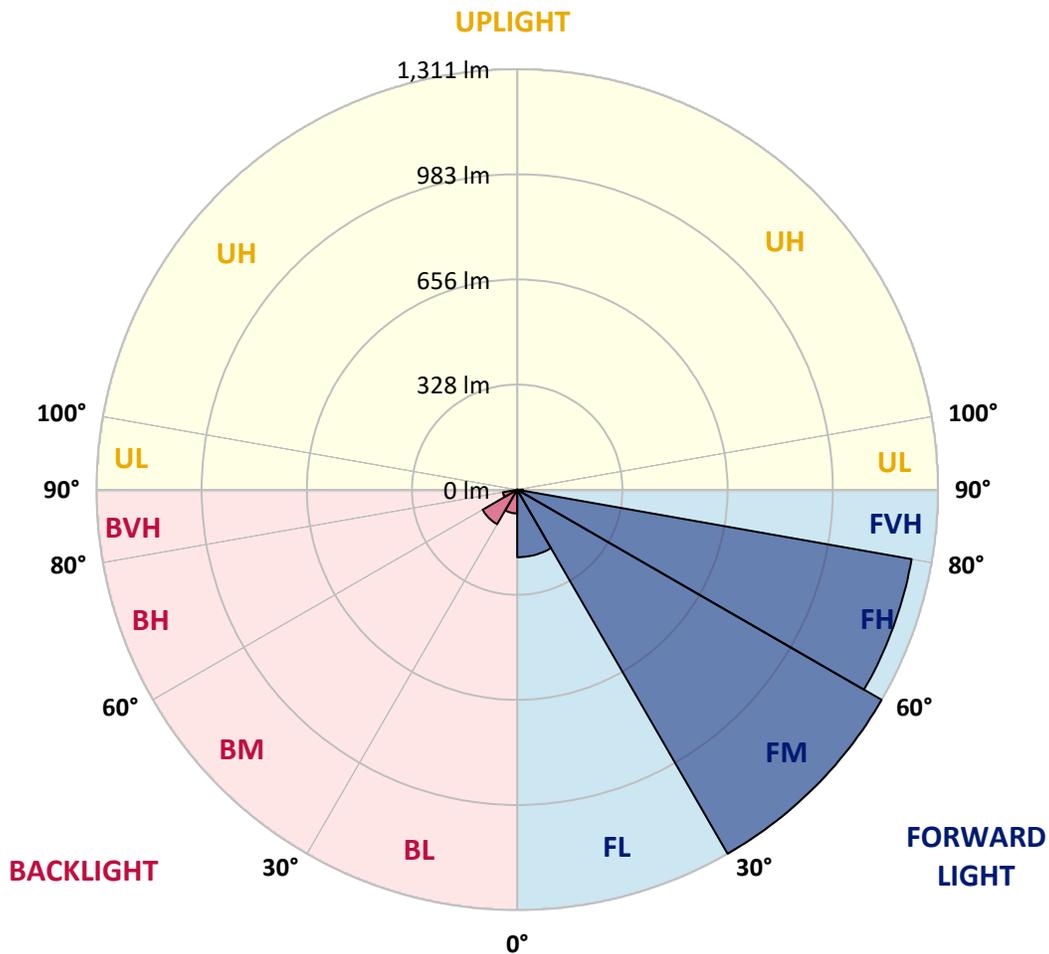
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	210.6	6.9			
FM	(30°-60°)	1311.1	43.2			
FH	(60°-80°)	1247.9	41.1			G1/1800
FVH	(80°-90°)	17.9	0.6			G1/100
BL	(0°-30°)	74.3	2.4	B0/110		
BM	(30°-60°)	124.6	4.1	B0/220		
BH	(60°-80°)	45.3	1.5	B0/110		G0/110
BVH	(80°-90°)	1.2	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°	378.8	378.8	378.8	378.8	378.8	378.8	378.8	378.8	378.8	378.8	378.8
2.5°	428.8	425.2	424.3	422.5	418.1	417.6	416.7	408.7	402.9	397.1	388.1
5°	470.3	467.6	465.4	465.0	461.8	457.8	456.9	445.8	435.0	423.0	404.2
7.5°	500.7	498.0	498.0	498.0	494.4	493.1	493.1	481.5	471.2	452.9	427.5
10°	507.0	505.2	507.0	511.4	515.9	517.7	519.5	516.8	508.3	488.2	457.4
12.5°	491.3	489.5	491.3	498.0	506.5	515.0	526.2	540.5	543.6	529.7	489.5
15°	475.7	473.5	469.9	468.5	477.5	490.4	505.6	544.5	573.1	569.0	526.6
17.5°	465.9	465.4	456.9	445.3	446.2	456.0	475.7	528.4	587.4	604.3	561.0
20°	456.5	455.1	445.8	429.2	425.7	434.6	451.1	506.1	584.7	636.9	596.7
22.5°	451.6	449.8	437.3	417.6	414.1	422.1	436.8	481.9	571.3	656.1	630.7
25°	457.4	456.0	438.2	415.4	412.3	419.0	431.9	469.0	553.9	663.3	657.9
27.5°	477.0	474.3	450.7	423.4	419.4	425.7	436.4	464.5	538.7	660.6	679.8
30°	544.0	533.8	498.5	447.6	435.0	439.1	447.6	470.3	528.8	657.0	704.4
32.5°	674.0	668.6	609.7	517.2	469.9	466.3	472.1	488.2	535.5	675.8	749.9
35°	900.0	893.3	809.8	662.8	540.5	520.8	517.2	531.1	586.5	680.7	757.5
37.5°	1076.0	1069.7	999.6	889.3	738.3	674.5	632.9	627.1	589.6	657.9	766.9
40°	1161.8	1151.0	1048.3	899.6	787.0	739.2	693.2	599.4	557.4	644.5	791.0
42.5°	1369.0	1339.5	1218.5	1032.2	829.0	741.5	660.2	561.0	569.0	658.4	828.5
45°	1599.5	1601.3	1454.8	1207.3	966.6	862.0	760.2	607.0	610.6	693.7	878.1
47.5°	1865.2	1834.4	1679.4	1429.3	1138.5	1020.2	906.3	687.0	669.5	750.4	944.7
50°	2058.6	2039.0	1918.4	1682.6	1350.7	1216.2	1066.6	807.1	766.0	815.6	1012.1
52.5°	2165.4	2160.9	2100.6	1911.7	1613.3	1457.0	1261.4	947.8	883.9	887.5	1062.1
55°	2249.4	2237.3	2234.6	2142.2	1910.4	1772.8	1518.2	1139.0	1033.6	957.6	1112.2
57.5°	2333.8	2319.9	2331.5	2315.0	2229.7	2111.3	1826.4	1346.7	1164.0	1032.2	1172.0
60°	2335.1	2321.3	2353.9	2423.6	2461.5	2400.3	2139.0	1573.6	1307.8	1108.6	1253.3
62.5°	2227.5	2213.6	2269.5	2414.6	2573.2	2565.6	2381.6	1791.1	1451.2	1185.0	1320.8
65°	1993.0	1981.8	2067.1	2284.6	2543.3	2601.3	2494.6	1980.0	1548.6	1188.6	1285.9
67.5°	1520.0	1540.1	1684.8	1984.9	2387.8	2504.4	2478.5	2029.6	1500.8	1080.5	1153.3
70°	980.9	1017.5	1179.2	1533.4	2031.8	2240.0	2253.4	1801.8	1256.0	878.6	866.5
72.5°	522.1	528.8	678.0	992.0	1545.0	1818.3	1838.4	1356.5	859.4	583.8	473.0
75°	228.7	247.0	331.9	557.9	1029.5	1332.4	1272.5	812.9	443.5	267.1	183.1
77.5°	82.2	88.9	129.1	272.9	581.1	779.9	726.7	386.4	179.1	118.4	53.6
80°	39.8	40.2	51.8	104.1	243.0	328.7	285.9	136.7	81.7	66.6	21.0
82.5°	13.4	16.5	29.5	41.1	90.2	112.1	82.6	50.9	48.7	50.5	14.7
85°	0.0	0.4	14.7	22.3	23.2	26.4	21.0	22.3	29.9	30.4	4.9
87.5°	0.0	0.0	0.0	4.5	4.9	4.9	2.7	5.4	12.5	14.7	0.9
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°	378.8	378.8	378.8	378.8	378.8	378.8	378.8	378.8	378.8	378.8	378.8
2.5°	382.8	377.4	366.7	357.8	345.7	337.2	328.3	324.3	321.6	310.4	309.5
5°	394.0	381.9	357.3	330.5	304.2	278.3	253.7	239.9	227.8	222.9	217.1
7.5°	410.5	392.2	348.8	302.8	253.3	213.1	185.8	170.6	158.1	155.9	154.1
10°	433.3	405.6	341.7	267.1	197.4	159.5	137.1	127.3	123.3	122.4	121.0
12.5°	458.3	422.5	333.7	225.6	154.5	122.4	113.0	113.0	115.2	116.1	116.1
15°	490.4	442.2	318.5	188.5	124.2	107.2	106.8	108.5	110.8	111.7	112.1
17.5°	518.6	462.7	299.3	154.5	106.8	101.8	102.7	104.1	106.3	108.1	108.1
20°	548.9	481.5	279.6	127.3	98.3	96.9	97.8	99.6	102.3	103.6	104.1
22.5°	575.7	496.2	256.8	109.4	92.5	92.5	93.8	95.6	98.7	100.9	100.9
25°	598.1	507.8	232.3	97.4	87.1	87.5	88.9	91.6	94.7	96.9	97.4
27.5°	615.5	513.7	204.1	87.5	81.7	81.7	84.0	87.1	91.1	93.8	93.8
30°	637.8	522.6	182.7	80.4	75.9	75.9	77.7	81.7	87.1	90.7	90.7
32.5°	671.3	538.2	159.9	74.1	70.6	70.6	72.4	75.9	81.3	85.8	86.7
35°	676.7	531.1	136.7	69.2	65.7	65.2	66.1	69.2	73.7	76.8	78.2
37.5°	685.2	531.1	114.8	63.9	60.7	60.3	60.7	62.1	63.9	64.8	64.3
40°	703.9	534.6	96.5	59.4	56.3	55.4	54.9	54.5	52.7	50.5	50.0
42.5°	733.4	544.0	80.8	54.5	51.4	50.5	49.1	46.0	42.0	38.9	38.9
45°	768.7	552.5	67.9	50.5	46.9	46.0	42.0	37.1	32.2	29.9	29.9
47.5°	812.0	562.8	57.6	46.9	43.3	41.1	34.4	28.6	24.6	23.7	23.7
50°	862.0	569.0	48.7	42.9	39.8	35.7	27.2	22.3	19.2	18.8	18.8
52.5°	896.9	568.6	41.5	39.3	36.2	29.9	21.9	17.9	15.6	14.7	14.7
55°	930.4	562.3	34.8	34.8	31.3	24.1	17.9	14.7	12.5	11.6	11.2
57.5°	971.0	559.2	29.9	29.0	25.5	19.7	14.7	12.1	9.8	8.0	7.6
60°	1035.8	564.6	25.0	23.2	20.1	15.6	12.1	9.4	7.1	4.9	4.5
62.5°	1079.1	559.2	20.5	18.8	16.1	12.5	8.9	6.7	4.0	2.7	2.2
65°	1038.9	499.4	17.4	15.2	13.0	9.8	6.7	4.5	1.8	0.4	0.0
67.5°	898.2	398.9	14.7	12.5	10.3	7.6	4.9	2.7	0.4	0.0	0.0
70°	653.0	268.9	13.0	10.3	8.0	6.3	3.6	1.3	0.0	0.0	0.0
72.5°	341.7	126.4	11.6	9.4	7.1	4.9	2.7	0.9	0.0	0.0	0.0
75°	119.7	45.6	10.7	8.9	6.3	4.0	2.2	0.9	0.0	0.0	0.0
77.5°	37.5	20.5	10.7	9.4	6.7	4.0	2.2	0.9	0.0	0.0	0.0
80°	17.0	13.4	9.8	8.9	6.3	4.0	2.2	0.4	0.0	0.0	0.0
82.5°	12.1	10.7	9.4	8.0	5.8	3.6	1.8	0.4	0.0	0.0	0.0
85°	4.5	3.6	3.6	4.5	4.0	2.2	0.9	0.0	0.0	0.0	0.0
87.5°	0.4	0.4	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)