

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: P1208043

Luminaire Tested: UPW-SA1-040-730-U-SL3-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208043
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-SA1-040-730-U-SL3-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 800mA 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: 3844 lumens
Efficiency: N/A
Efficacy: 87.4 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

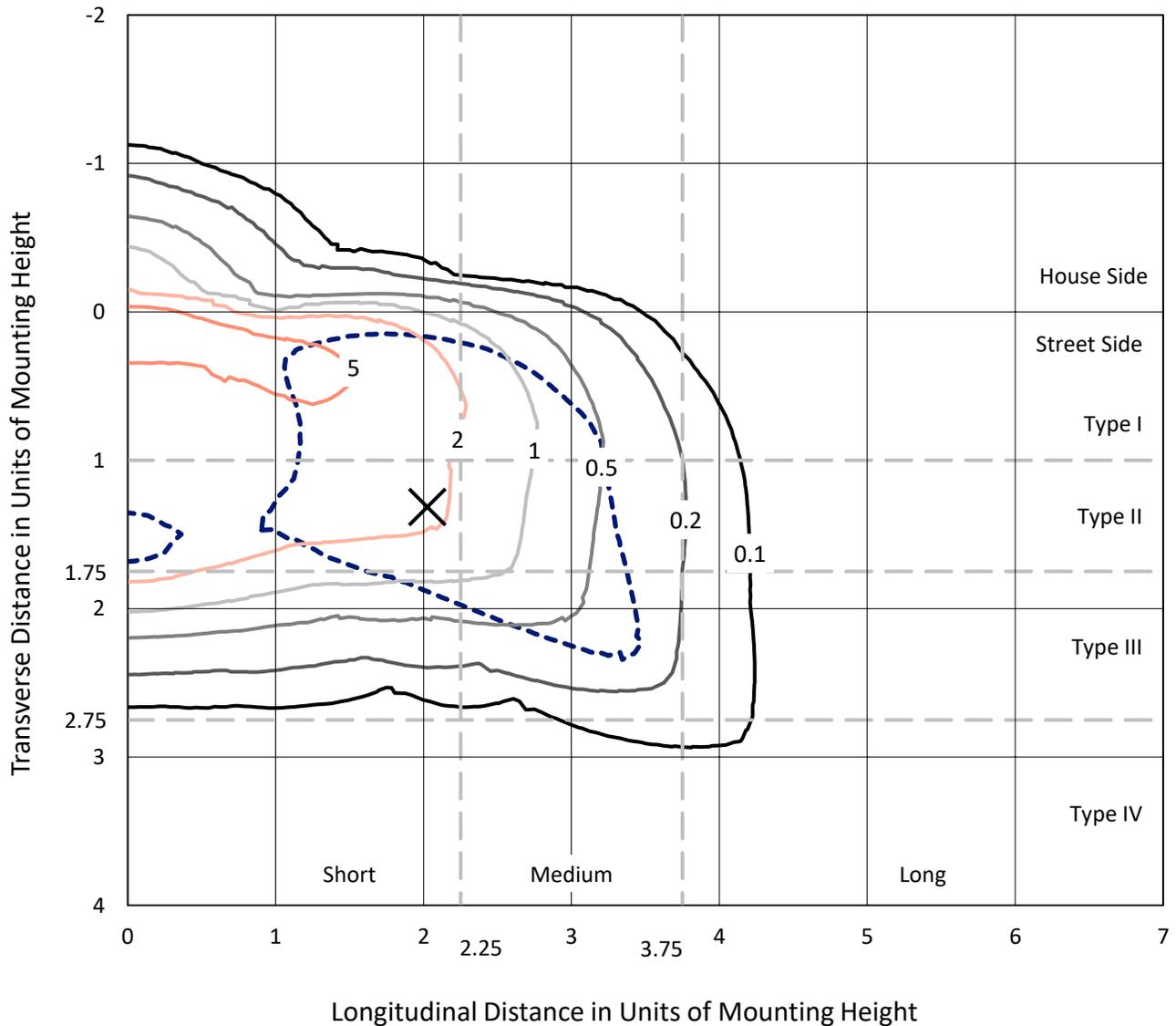
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P1208043
 CATALOG NUMBER: UPW-SA1-040-730-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

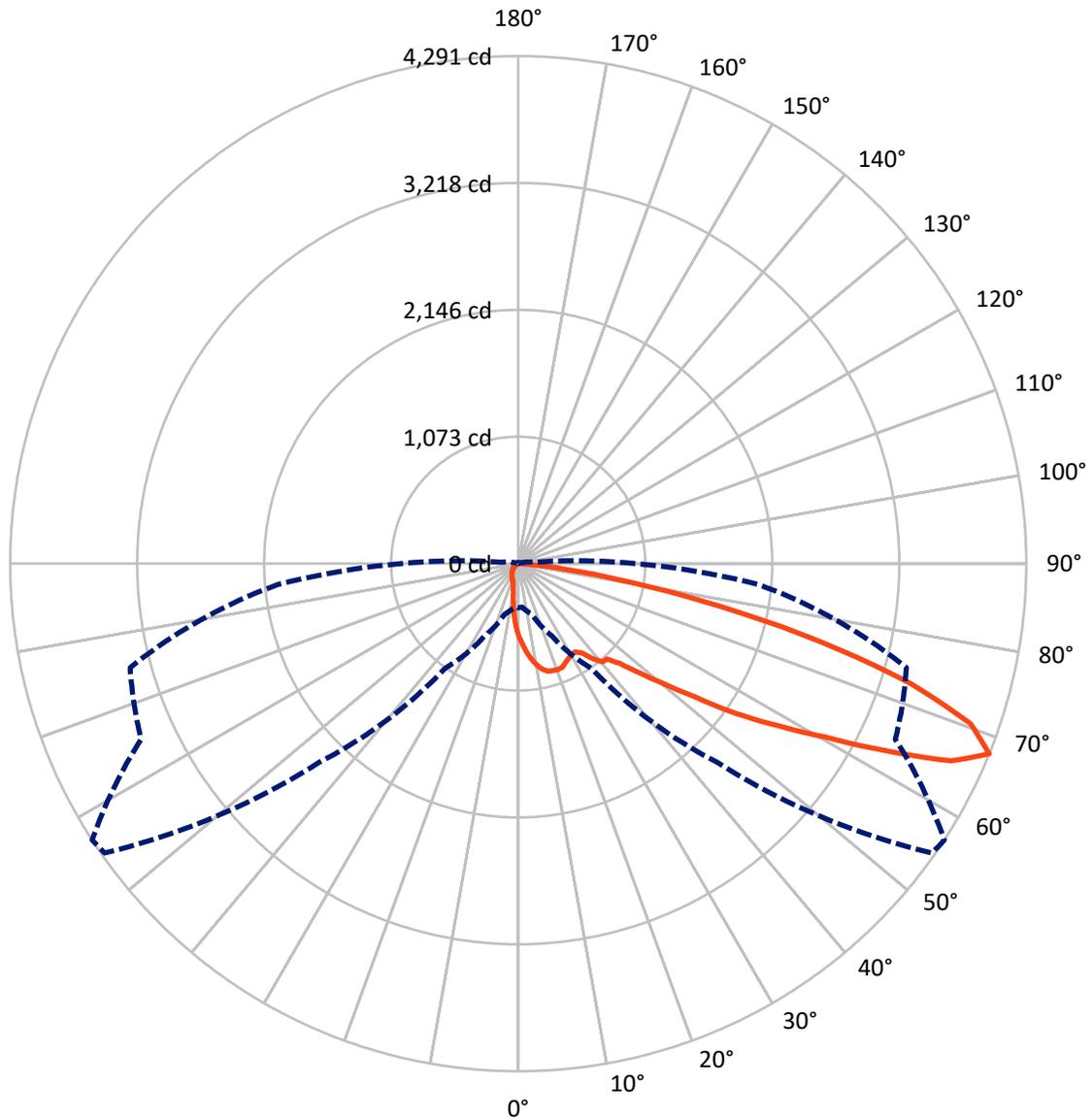
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type III - Short - N/A

REPORT NUMBER: P1208043
CATALOG NUMBER: UPW-SA1-040-730-U-SL3-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1208043

CATALOG NUMBER: UPW-SA1-040-730-U-SL3-HSS

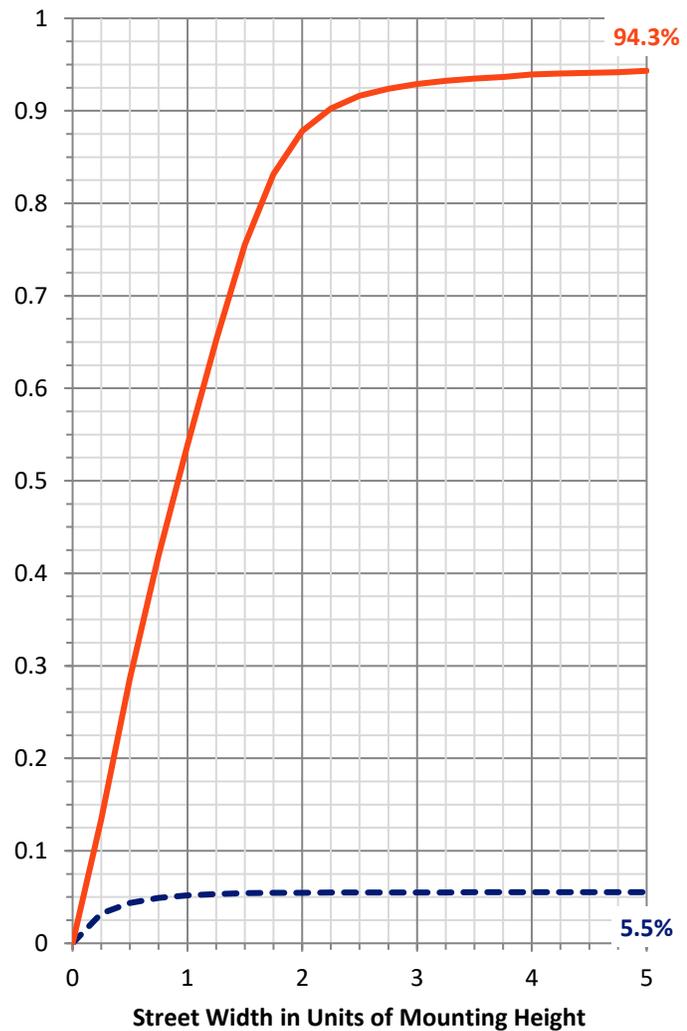
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	213.9	0.0	213.9
	% Fixture	5.6	0.0	5.6
Street Side	Lumens	3630.1	0.0	3630.1
	% Fixture	94.4	0.0	94.4
Total	Lumens	3844.0	0.0	3844.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.9	1.4
10°-20°	143.0	3.7
20°-30°	209.3	5.4
30°-40°	314.7	8.2
40°-50°	513.4	13.4
50°-60°	971.7	25.3
60°-70°	1110.5	28.9
70°-80°	484.7	12.6
80°-90°	41.9	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°	3844.0	100.0
0°-180°	3844.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1208043

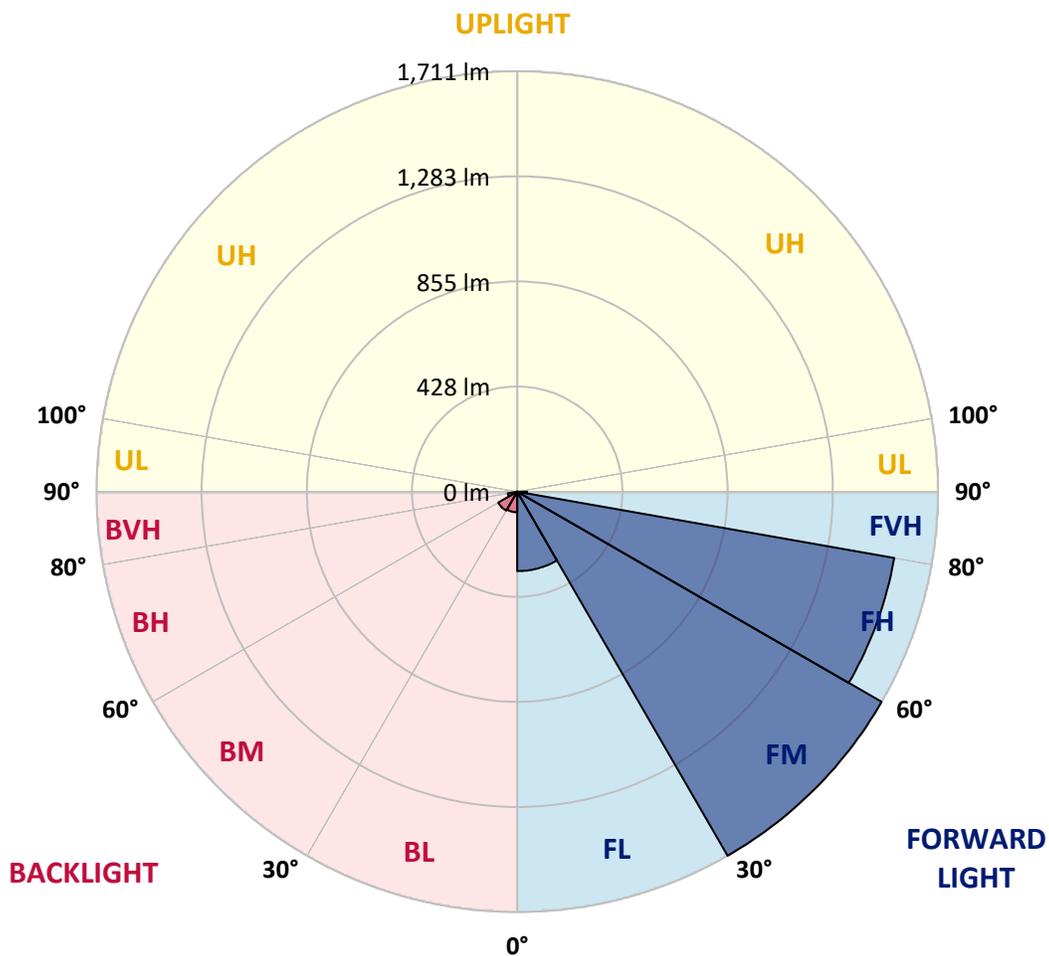
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	323.2	8.4			
FM (30°-60°)	1710.7	44.5			
FH (60°-80°)	1556.4	40.5			G1/1800
FVH (80°-90°)	39.8	1.0			G1/100
BL (0°-30°)	84.0	2.2	B0/110		
BM (30°-60°)	89.1	2.3	B0/220		
BH (60°-80°)	38.8	1.0	B0/110		G0/110
BVH (80°-90°)	2.1	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





REPORT NUMBER: P1208043

CATALOG NUMBER: UPW-SA1-040-730-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6
2.5°	721.9	727.9	730.3	720.1	710.6	703.4	689.1	680.2	666.4	649.7	626.5
5°	828.1	827.5	821.6	813.8	809.6	787.0	763.1	753.6	731.5	689.7	644.4
7.5°	868.1	871.7	875.9	871.1	863.9	852.0	824.0	816.8	784.6	730.3	666.4
10°	849.6	855.6	862.7	875.3	899.1	903.3	881.8	874.1	835.3	775.6	684.9
12.5°	764.3	773.2	785.2	825.8	881.2	915.8	920.6	918.2	885.4	816.2	698.1
15°	650.9	641.4	672.4	728.5	819.8	899.1	942.1	943.9	927.2	854.4	712.4
17.5°	565.6	574.6	588.3	630.6	725.5	839.5	939.1	950.4	958.2	895.0	729.1
20°	551.3	551.9	557.9	581.1	630.6	767.9	929.0	955.8	996.4	934.9	736.3
22.5°	565.0	561.4	564.4	569.2	600.2	695.1	907.5	951.0	1019.1	984.5	751.2
25°	582.9	587.1	581.7	575.8	593.7	662.3	882.4	927.2	1053.1	1028.6	757.7
27.5°	633.0	635.4	621.1	599.6	606.2	647.4	843.7	908.1	1104.4	1078.1	768.5
30°	714.8	712.4	682.6	647.4	632.4	656.9	819.2	887.2	1131.8	1116.3	763.1
32.5°	775.6	770.9	741.6	705.2	679.0	693.3	819.2	889.6	1187.3	1183.1	773.2
35°	830.5	826.3	790.0	760.7	738.0	751.2	865.1	928.4	1266.7	1307.2	809.0
37.5°	890.2	878.9	850.2	799.5	792.3	843.1	964.2	1016.7	1392.6	1422.4	810.2
40°	984.5	974.9	929.0	876.5	837.7	911.7	1041.7	1091.9	1481.5	1514.9	805.5
42.5°	1113.9	1091.3	1034.6	958.2	896.2	948.7	1050.7	1102.6	1548.9	1658.7	851.4
45°	1254.7	1248.2	1169.4	1071.0	1005.3	998.8	1145.6	1202.8	1698.6	1890.8	951.0
47.5°	1458.2	1406.9	1303.1	1198.1	1142.0	1097.8	1291.1	1378.2	1881.2	2162.2	1099.6
50°	1672.4	1642.6	1484.4	1339.5	1270.8	1254.7	1521.4	1600.2	2115.1	2467.7	1347.2
52.5°	2037.5	1968.9	1755.3	1572.7	1454.0	1438.5	1772.0	1872.9	2378.8	2832.3	1597.2
55°	2283.3	2241.0	2026.2	1888.4	1732.6	1685.5	2127.0	2237.4	2701.6	3150.3	1847.2
57.5°	2362.1	2310.2	2116.9	2083.5	2047.7	2074.5	2495.2	2587.0	2925.3	3398.5	2068.6
60°	2046.5	2044.7	1934.3	2021.4	2198.6	2508.9	2930.1	2970.7	3106.7	3550.6	2206.4
62.5°	1471.9	1467.1	1489.2	1705.2	2035.7	2803.0	3528.5	3483.2	3264.2	3635.3	2281.0
65°	763.1	766.7	877.7	1162.3	1637.8	2780.3	4076.3	4019.0	3361.5	3583.4	2228.5
67.5°	372.3	369.3	441.5	676.0	1081.7	2374.0	4264.2	4291.0	3514.2	3393.1	2038.7
70°	185.6	187.9	240.4	356.8	590.7	1705.2	3937.8	4051.8	3373.4	2988.0	1736.2
72.5°	130.7	132.5	163.5	211.8	276.2	1035.2	3268.4	3464.7	2815.5	2377.0	1223.7
75°	93.7	96.7	119.9	158.1	153.3	519.7	2526.2	2642.5	2041.1	1467.7	648.5
77.5°	68.0	72.2	93.7	121.7	106.2	218.4	1749.4	1746.4	1151.5	697.5	262.5
80°	44.7	47.7	69.2	90.1	75.8	101.4	1025.0	965.4	509.5	267.3	95.5
82.5°	25.1	26.3	46.5	62.6	52.5	47.7	458.2	422.4	172.4	97.8	44.7
85°	1.8	3.0	27.4	39.4	28.0	23.9	128.3	116.3	55.5	44.7	23.9
87.5°	0.0	0.0	3.6	7.2	4.8	3.6	31.0	26.8	16.7	26.3	11.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1208043

CATALOG NUMBER: UPW-SA1-040-730-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6	611.6
2.5°	616.9	600.2	575.2	550.7	526.8	505.4	489.8	474.3	467.8	452.9	478.5
5°	620.5	590.7	531.0	473.1	423.0	369.3	334.1	309.1	296.5	285.2	285.8
7.5°	624.1	578.7	486.9	389.0	316.8	260.1	228.5	217.2	212.4	206.4	206.4
10°	619.9	559.6	423.6	306.1	232.7	202.3	185.0	180.8	183.2	182.6	184.4
12.5°	619.9	537.0	359.2	238.7	190.9	173.0	168.3	167.7	171.2	173.6	174.8
15°	612.2	502.4	294.7	195.7	167.1	160.5	158.7	158.7	161.1	163.5	162.9
17.5°	605.6	467.8	241.0	168.3	152.7	151.0	149.8	148.6	151.5	153.9	154.5
20°	589.5	419.4	198.7	151.5	143.2	140.8	140.2	139.0	142.0	144.4	146.2
22.5°	566.2	364.5	170.0	139.0	134.8	131.9	130.1	130.7	133.6	136.0	134.8
25°	535.2	316.2	149.2	130.1	124.1	122.3	119.9	121.1	121.7	124.1	125.9
27.5°	501.2	269.1	135.4	122.9	116.9	113.4	110.4	109.8	110.4	113.4	112.2
30°	451.1	227.9	125.9	114.6	108.0	103.2	99.6	97.8	97.3	97.8	98.4
32.5°	412.9	200.5	119.3	108.0	99.6	93.7	89.5	85.9	84.7	83.5	83.5
35°	388.4	185.6	112.8	99.0	91.3	85.3	78.8	74.6	72.2	71.0	71.6
37.5°	335.9	159.9	105.0	92.5	83.5	76.4	69.8	63.2	61.5	62.6	62.6
40°	291.8	137.2	97.8	84.7	74.6	68.0	60.9	53.1	51.9	55.5	56.1
42.5°	275.1	127.1	91.3	77.6	66.8	61.5	51.9	45.9	45.9	48.9	49.5
45°	295.3	124.1	85.3	71.0	60.3	54.3	44.7	39.4	39.4	42.4	43.0
47.5°	359.8	128.9	79.4	64.4	55.5	47.7	37.0	34.6	34.6	35.8	36.4
50°	496.4	144.4	73.4	57.9	50.7	40.6	32.2	29.8	29.2	29.8	29.8
52.5°	670.0	175.4	66.8	51.9	44.7	34.0	28.0	25.7	23.9	23.9	23.3
55°	845.4	208.8	60.3	45.9	38.8	29.2	23.9	21.5	18.5	17.3	16.7
57.5°	1000.0	235.7	52.5	40.6	33.4	25.1	20.9	16.1	11.9	9.5	9.5
60°	1096.0	242.8	45.3	35.2	27.4	21.5	16.7	10.7	6.0	4.8	4.2
62.5°	1113.9	220.2	38.8	29.8	23.3	17.9	11.9	6.0	2.4	0.6	0.6
65°	1065.6	173.6	33.4	25.1	19.1	14.3	7.8	3.0	0.0	0.0	0.0
67.5°	984.5	136.6	28.0	20.9	16.1	11.3	4.8	0.6	0.0	0.0	0.0
70°	858.6	109.2	24.5	17.9	13.7	9.5	3.0	0.0	0.0	0.0	0.0
72.5°	632.4	72.2	21.5	16.1	11.9	7.2	1.8	0.0	0.0	0.0	0.0
75°	346.1	45.9	19.7	14.9	11.3	6.0	1.2	0.0	0.0	0.0	0.0
77.5°	140.2	32.2	17.3	14.3	11.3	6.0	1.2	0.0	0.0	0.0	0.0
80°	53.1	22.7	14.9	12.5	10.7	6.0	1.2	0.0	0.0	0.0	0.0
82.5°	28.0	18.5	14.3	12.5	10.1	5.4	0.6	0.0	0.0	0.0	0.0
85°	13.7	6.0	7.2	7.2	8.4	4.8	0.6	0.0	0.0	0.0	0.0
87.5°	3.0	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)