

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: P1208045

Luminaire Tested: UPW-SA1-040-730-U-SL4-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208045
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-SA1-040-730-U-SL4-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 800mA 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: 4049 lumens
Efficiency: N/A
Efficacy: 92.0 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

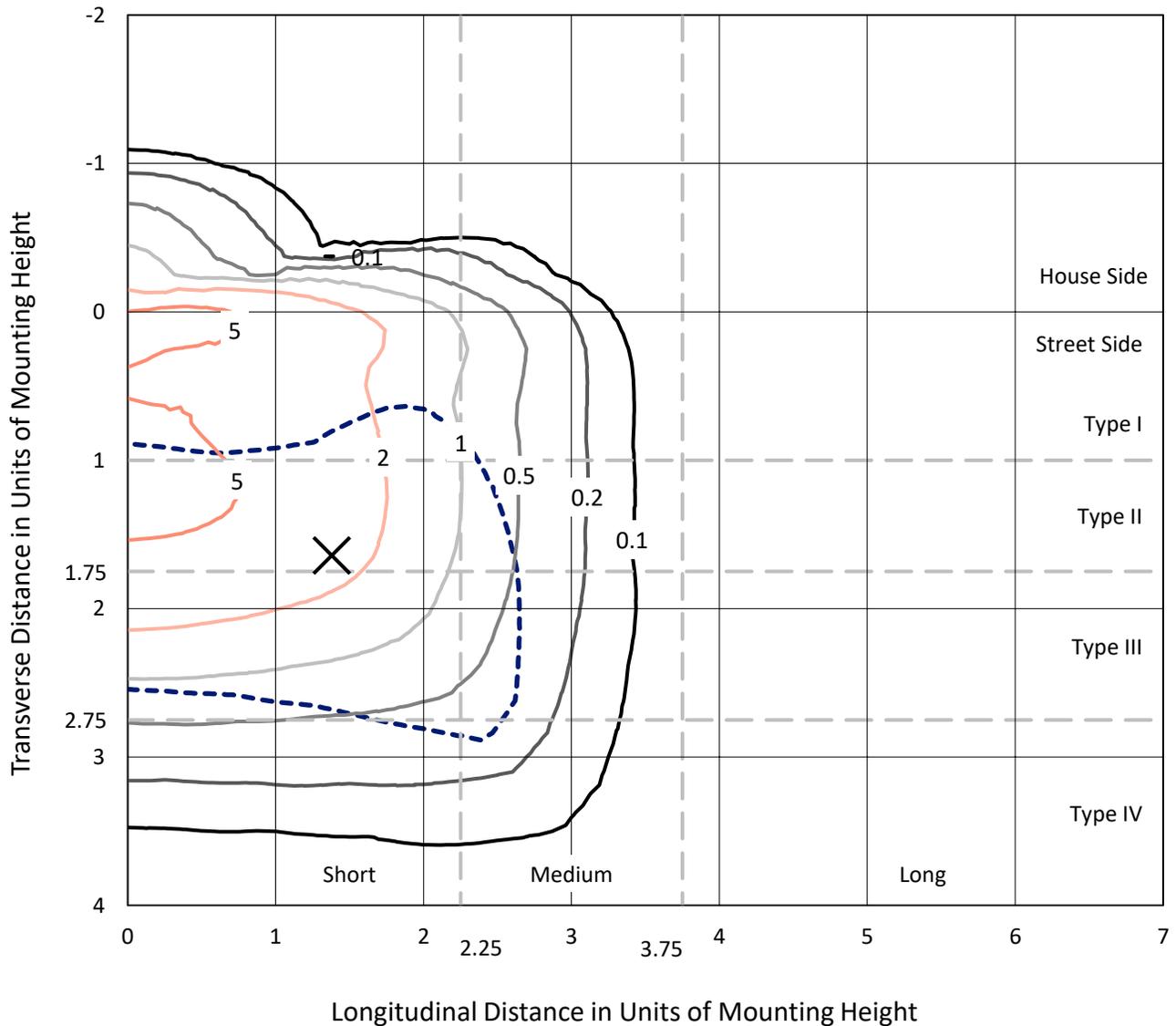
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

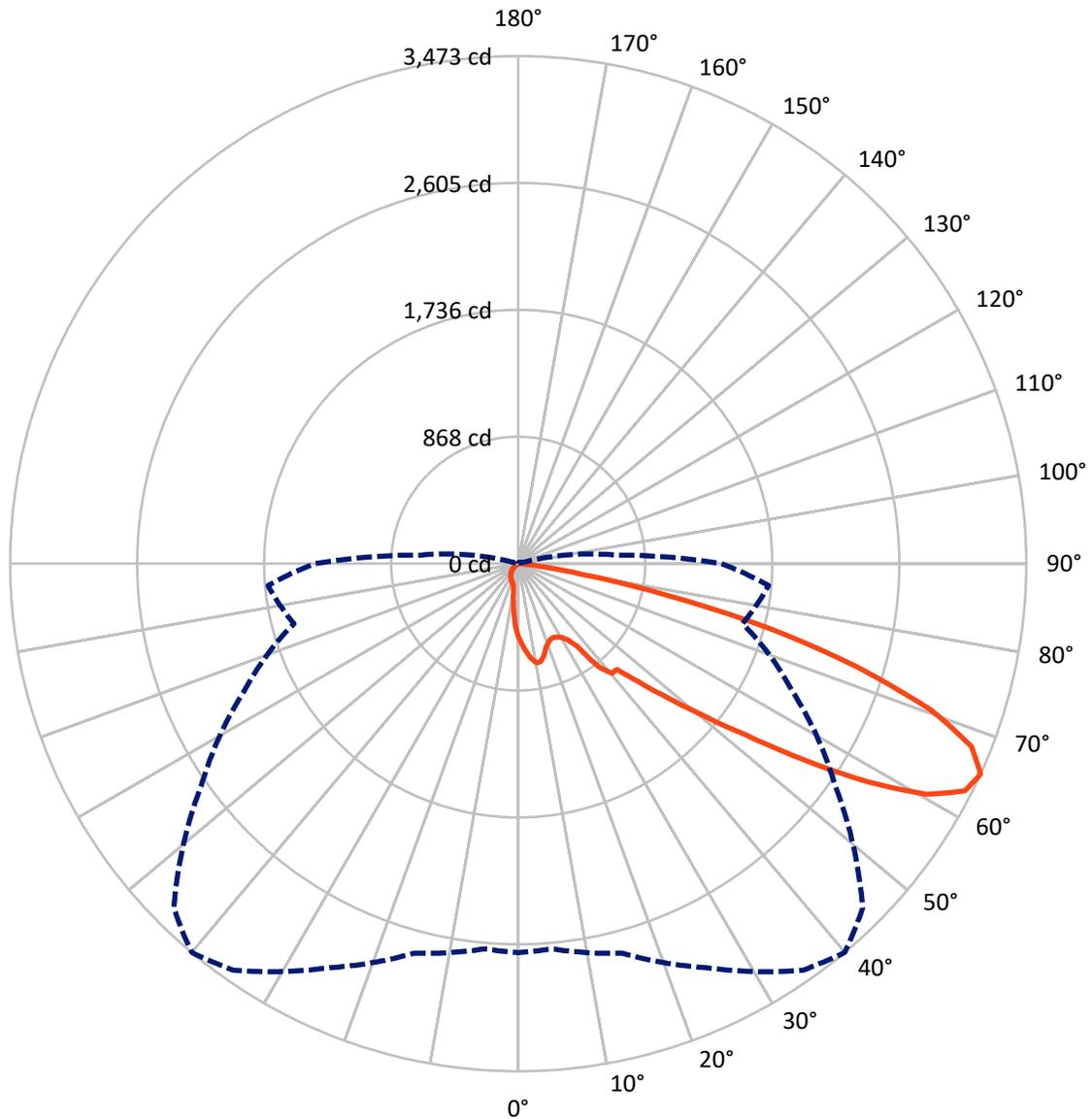
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 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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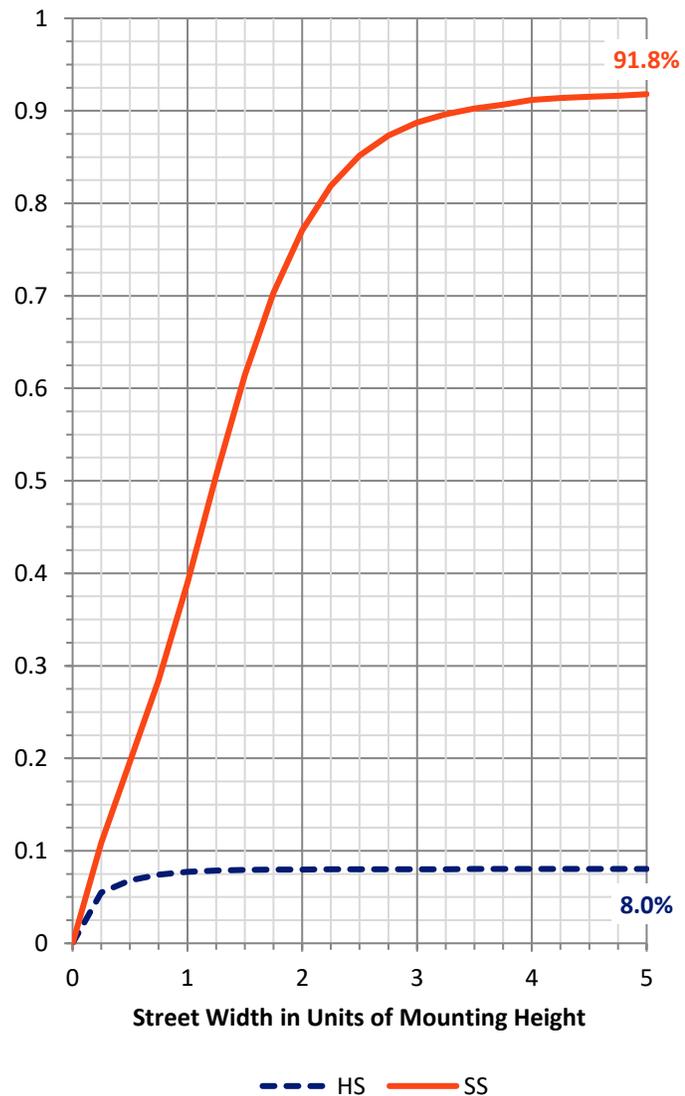
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	327.7	0.0	327.7
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	3721.3	0.0	3721.3
	% Fixture	91.9	0.0	91.9
Total	Lumens	4049.0	0.0	4049.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.4	1.1
10°-20°	130.4	3.2
20°-30°	203.5	5.0
30°-40°	337.3	8.3
40°-50°	571.9	14.1
50°-60°	1007.5	24.9
60°-70°	1254.8	31.0
70°-80°	471.6	11.6
80°-90°	25.5	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°	4049.0	100.0
0°-180°	4049.0	100.0



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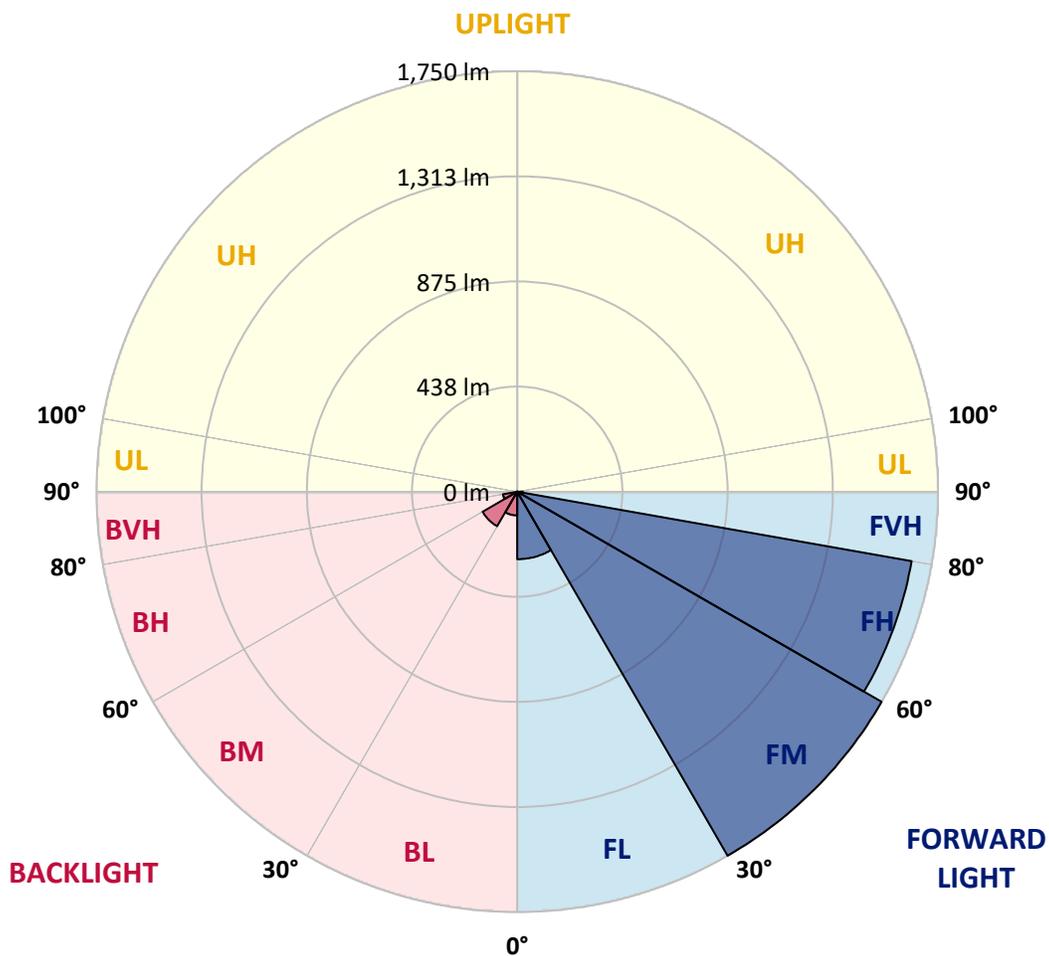
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	281.2	6.9			
FM	(30°-60°)	1750.3	43.2			
FH	(60°-80°)	1665.9	41.1			G1/1800
FVH	(80°-90°)	23.9	0.6			G1/100
BL	(0°-30°)	99.2	2.4	B0/110		
BM	(30°-60°)	166.4	4.1	B0/220		
BH	(60°-80°)	60.5	1.5	B0/110		G0/110
BVH	(80°-90°)	1.7	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°	505.6	505.6	505.6	505.6	505.6	505.6	505.6	505.6	505.6	505.6	505.6
2.5°	572.4	567.7	566.5	564.1	558.1	557.5	556.3	545.6	537.8	530.1	518.2
5°	627.9	624.3	621.3	620.7	616.6	611.2	610.0	595.1	580.8	564.7	539.6
7.5°	668.4	664.9	664.9	664.9	660.1	658.3	658.3	642.8	629.1	604.6	570.6
10°	676.8	674.4	676.8	682.7	688.7	691.1	693.5	689.9	678.6	651.7	610.6
12.5°	655.9	653.5	655.9	664.9	676.2	687.5	702.4	721.5	725.7	707.2	653.5
15°	635.0	632.1	627.3	625.5	637.4	654.7	675.0	726.9	765.0	759.7	703.0
17.5°	621.9	621.3	610.0	594.5	595.7	608.8	635.0	705.4	784.1	806.8	748.9
20°	609.4	607.6	595.1	573.0	568.3	580.2	602.2	675.6	780.5	850.3	796.6
22.5°	602.8	600.5	583.8	557.5	552.8	563.5	583.2	643.4	762.6	875.9	841.9
25°	610.6	608.8	584.9	554.5	550.4	559.3	576.6	626.1	739.4	885.5	878.3
27.5°	636.8	633.2	601.6	565.3	559.9	568.3	582.6	620.1	719.1	881.9	907.5
30°	726.3	712.6	665.4	597.5	580.8	586.1	597.5	627.9	706.0	877.1	940.3
32.5°	899.8	892.6	813.9	690.5	627.3	622.5	630.3	651.7	714.9	902.2	1001.2
35°	1201.5	1192.6	1081.1	884.9	721.5	695.3	690.5	709.0	782.9	908.7	1011.3
37.5°	1436.4	1428.1	1334.5	1187.2	985.6	900.4	844.9	837.2	787.1	878.3	1023.8
40°	1550.9	1536.6	1399.5	1200.9	1050.6	986.8	925.4	800.2	744.2	860.4	1056.0
42.5°	1827.6	1788.2	1626.6	1378.0	1106.7	989.8	881.3	748.9	759.7	878.9	1106.1
45°	2135.3	2137.7	1942.1	1611.7	1290.3	1150.8	1014.9	810.3	815.1	926.0	1172.3
47.5°	2490.1	2448.9	2242.0	1908.1	1519.9	1361.9	1209.8	917.1	893.8	1001.7	1261.1
50°	2748.2	2722.0	2561.0	2246.2	1803.1	1623.7	1423.9	1077.5	1022.6	1088.8	1351.2
52.5°	2890.8	2884.8	2804.3	2552.1	2153.8	1945.1	1683.9	1265.3	1180.0	1184.8	1418.0
55°	3002.9	2986.8	2983.2	2859.8	2550.3	2366.6	2026.8	1520.5	1379.8	1278.4	1484.7
57.5°	3115.6	3097.1	3112.6	3090.5	2976.6	2818.6	2438.2	1797.8	1553.9	1378.0	1564.6
60°	3117.3	3098.9	3142.4	3235.4	3286.1	3204.4	2855.6	2100.7	1745.9	1480.0	1673.2
62.5°	2973.6	2955.2	3029.7	3223.5	3435.2	3425.0	3179.4	2391.1	1937.3	1581.9	1763.2
65°	2660.6	2645.7	2759.6	3050.0	3395.2	3472.7	3330.2	2643.3	2067.3	1586.7	1716.7
67.5°	2029.1	2056.0	2249.2	2649.9	3187.7	3343.3	3308.7	2709.5	2003.5	1442.4	1539.6
70°	1309.4	1358.3	1574.2	2047.0	2712.5	2990.3	3008.2	2405.4	1676.7	1172.9	1156.8
72.5°	697.0	706.0	905.2	1324.3	2062.5	2427.5	2454.3	1810.9	1147.2	779.3	631.5
75°	305.3	329.7	443.0	744.8	1374.4	1778.7	1698.8	1085.2	592.1	356.6	244.5
77.5°	109.7	118.7	172.3	364.3	775.8	1041.1	970.1	515.8	239.1	158.0	71.6
80°	53.1	53.7	69.2	138.9	324.4	438.9	381.6	182.5	109.1	88.8	28.0
82.5°	17.9	22.1	39.4	54.9	120.4	149.7	110.3	68.0	65.0	67.4	19.7
85°	0.0	0.6	19.7	29.8	31.0	35.2	28.0	29.8	40.0	40.5	6.6
87.5°	0.0	0.0	0.0	6.0	6.6	6.6	3.6	7.2	16.7	19.7	1.2
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°	505.6	505.6	505.6	505.6	505.6	505.6	505.6	505.6	505.6	505.6	505.6
2.5°	511.0	503.9	489.5	477.6	461.5	450.2	438.3	432.9	429.3	414.4	413.2
5°	525.9	509.8	477.0	441.2	406.1	371.5	338.7	320.2	304.1	297.5	289.8
7.5°	548.0	523.5	465.7	404.3	338.1	284.4	248.1	227.8	211.1	208.1	205.7
10°	578.4	541.4	456.2	356.6	263.6	212.9	183.1	169.9	164.6	163.4	161.6
12.5°	611.8	564.1	445.4	301.1	206.3	163.4	150.9	150.9	153.8	155.0	155.0
15°	654.7	590.3	425.1	251.6	165.8	143.1	142.5	144.9	147.9	149.1	149.7
17.5°	692.3	617.7	399.5	206.3	142.5	136.0	137.1	138.9	141.9	144.3	144.3
20°	732.8	642.8	373.3	169.9	131.2	129.4	130.6	133.0	136.5	138.3	138.9
22.5°	768.6	662.5	342.9	146.1	123.4	123.4	125.2	127.6	131.8	134.8	134.8
25°	798.4	678.0	310.1	130.0	116.3	116.9	118.7	122.2	126.4	129.4	130.0
27.5°	821.7	685.7	272.5	116.9	109.1	109.1	112.1	116.3	121.6	125.2	125.2
30°	851.5	697.6	243.9	107.3	101.4	101.4	103.8	109.1	116.3	121.0	121.0
32.5°	896.2	718.5	213.5	99.0	94.2	94.2	96.6	101.4	108.5	114.5	115.7
35°	903.4	709.0	182.5	92.4	87.7	87.1	88.2	92.4	98.4	102.6	104.3
37.5°	914.7	709.0	153.2	85.3	81.1	80.5	81.1	82.9	85.3	86.5	85.9
40°	939.7	713.7	128.8	79.3	75.1	73.9	73.3	72.7	70.4	67.4	66.8
42.5°	979.1	726.3	107.9	72.7	68.6	67.4	65.6	61.4	56.1	51.9	51.9
45°	1026.2	737.6	90.6	67.4	62.6	61.4	56.1	49.5	42.9	40.0	40.0
47.5°	1084.0	751.3	76.9	62.6	57.8	54.9	45.9	38.2	32.8	31.6	31.6
50°	1150.8	759.7	65.0	57.2	53.1	47.7	36.4	29.8	25.6	25.0	25.0
52.5°	1197.3	759.1	55.5	52.5	48.3	40.0	29.2	23.9	20.9	19.7	19.7
55°	1242.0	750.7	46.5	46.5	41.7	32.2	23.9	19.7	16.7	15.5	14.9
57.5°	1296.3	746.5	40.0	38.8	34.0	26.2	19.7	16.1	13.1	10.7	10.1
60°	1382.8	753.7	33.4	31.0	26.8	20.9	16.1	12.5	9.5	6.6	6.0
62.5°	1440.6	746.5	27.4	25.0	21.5	16.7	11.9	8.9	5.4	3.6	3.0
65°	1386.9	666.6	23.3	20.3	17.3	13.1	8.9	6.0	2.4	0.6	0.0
67.5°	1199.1	532.5	19.7	16.7	13.7	10.1	6.6	3.6	0.6	0.0	0.0
70°	871.8	359.0	17.3	13.7	10.7	8.3	4.8	1.8	0.0	0.0	0.0
72.5°	456.2	168.7	15.5	12.5	9.5	6.6	3.6	1.2	0.0	0.0	0.0
75°	159.8	60.8	14.3	11.9	8.3	5.4	3.0	1.2	0.0	0.0	0.0
77.5°	50.1	27.4	14.3	12.5	8.9	5.4	3.0	1.2	0.0	0.0	0.0
80°	22.7	17.9	13.1	11.9	8.3	5.4	3.0	0.6	0.0	0.0	0.0
82.5°	16.1	14.3	12.5	10.7	7.8	4.8	2.4	0.6	0.0	0.0	0.0
85°	6.0	4.8	4.8	6.0	5.4	3.0	1.2	0.0	0.0	0.0	0.0
87.5°	0.6	0.6	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)