

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: P1208180

Luminaire Tested: UPW-SA1-040-827-U-SL4-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208180
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-6)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-827-U-SL4-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 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: 3268 lumens
Efficiency: N/A
Efficacy: 74.3 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

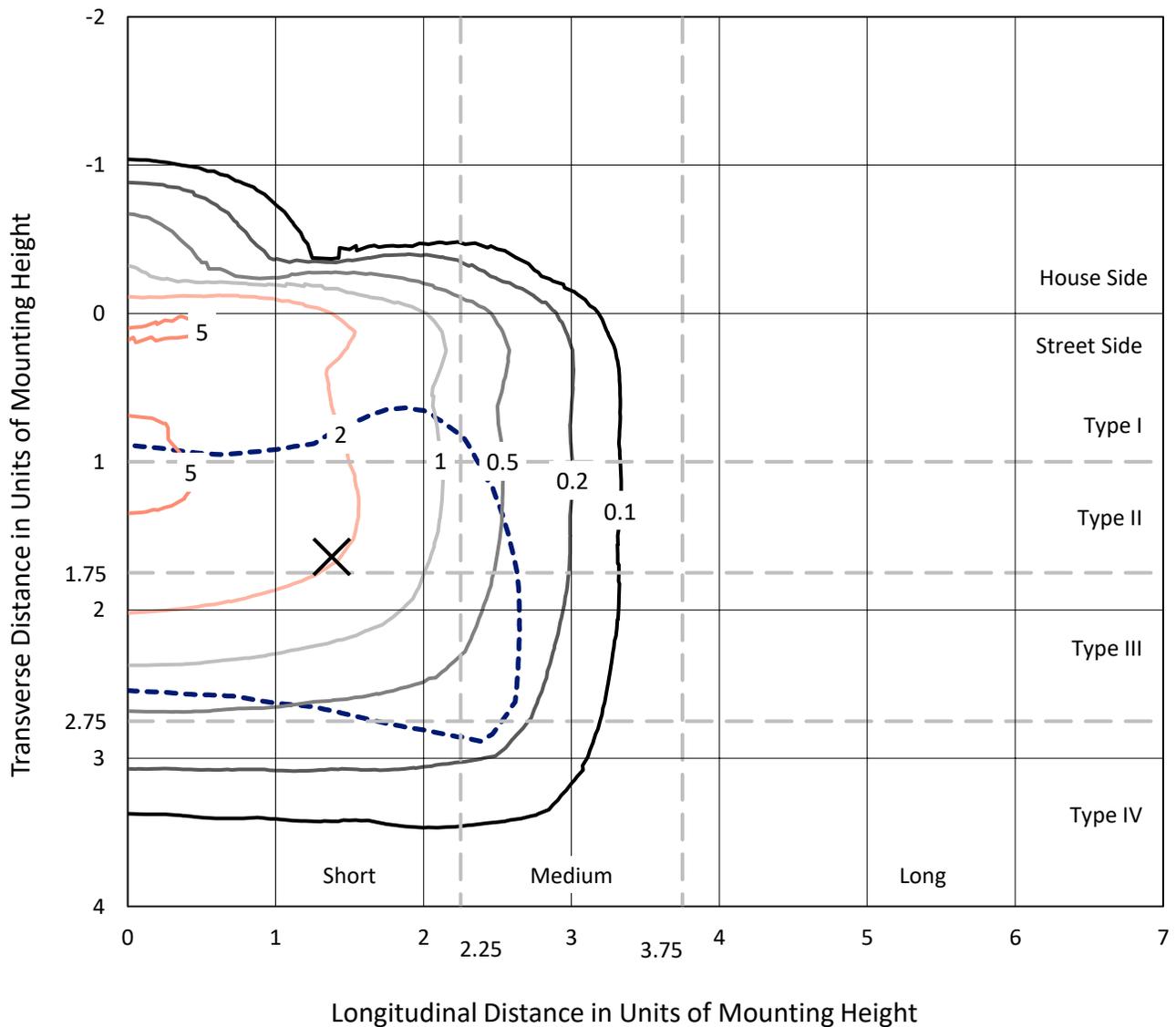
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

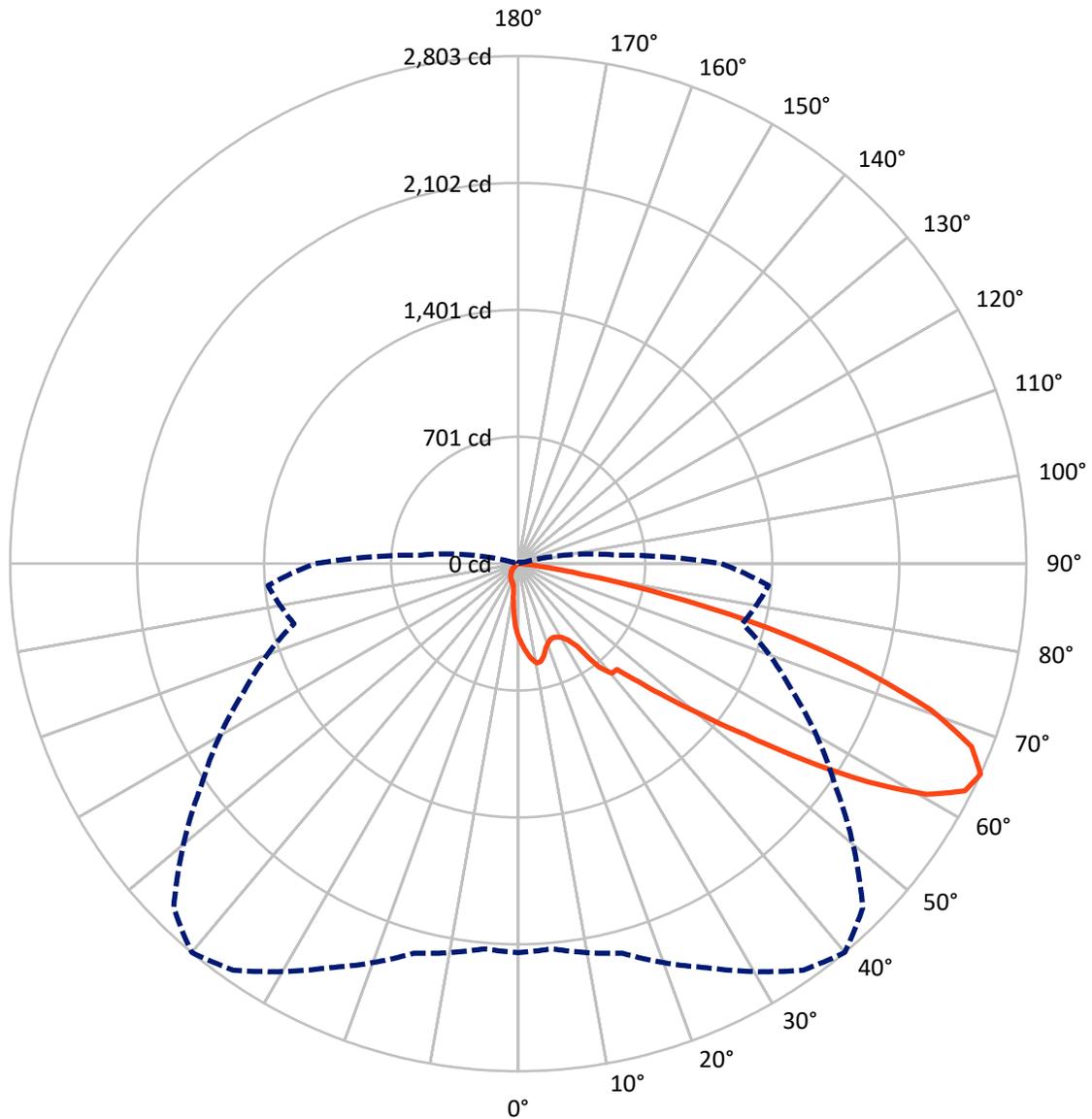
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 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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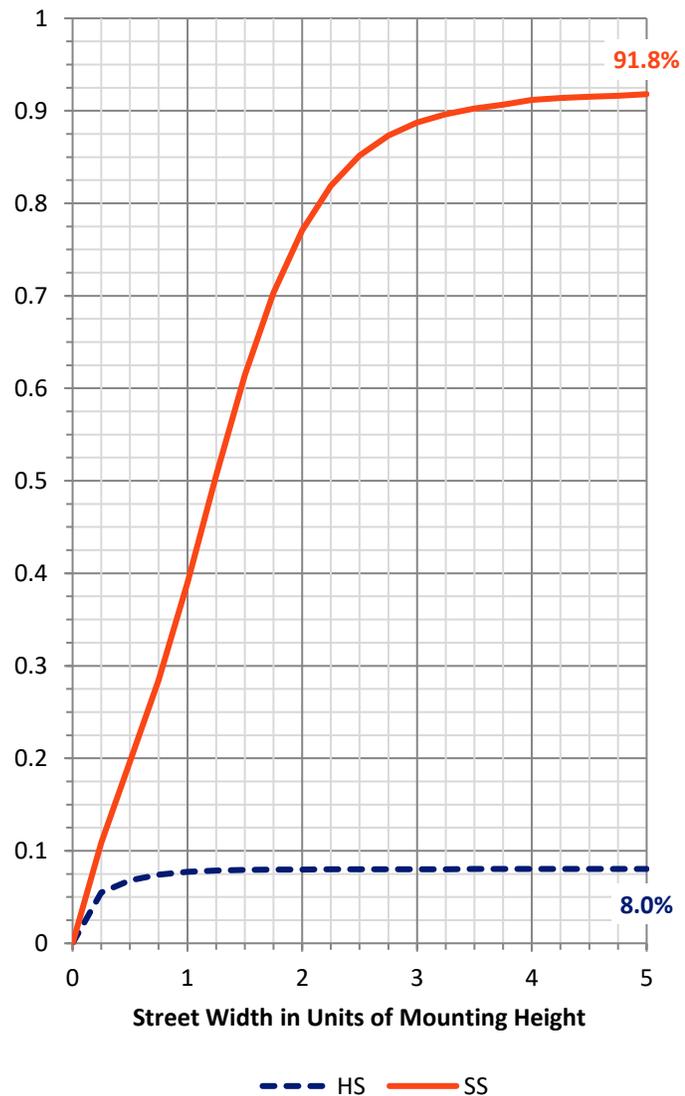
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	264.5	0.0	264.5
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	3003.5	0.0	3003.5
	% Fixture	91.9	0.0	91.9
Total	Lumens	3268.0	0.0	3268.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.4	1.1
10°-20°	105.3	3.2
20°-30°	164.3	5.0
30°-40°	272.2	8.3
40°-50°	461.6	14.1
50°-60°	813.1	24.9
60°-70°	1012.8	31.0
70°-80°	380.6	11.6
80°-90°	20.6	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°	3268.0	100.0
0°-180°	3268.0	100.0



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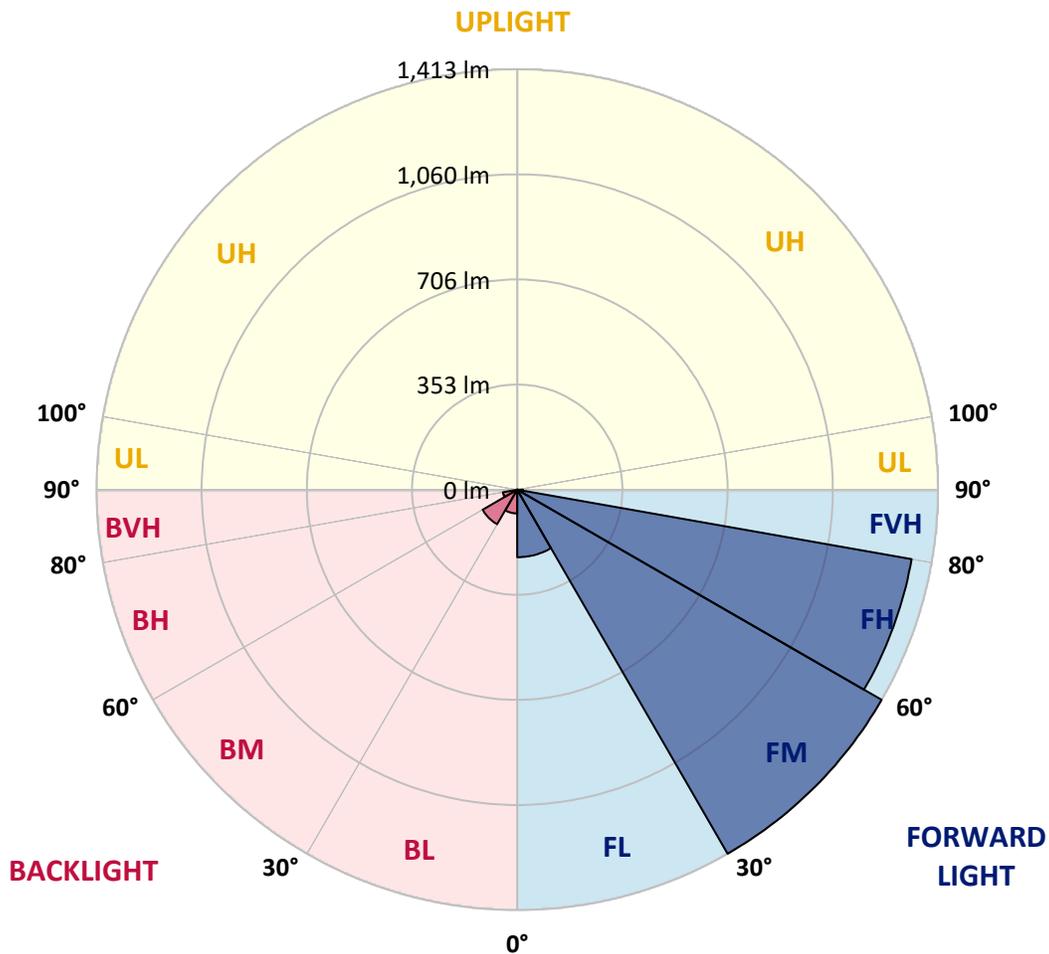
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	227.0	6.9			
FM	(30°-60°)	1412.7	43.2			
FH	(60°-80°)	1344.6	41.1			G1/1800
FVH	(80°-90°)	19.3	0.6			G1/100
BL	(0°-30°)	80.0	2.4	B0/110		
BM	(30°-60°)	134.3	4.1	B0/220		
BH	(60°-80°)	48.8	1.5	B0/110		G0/110
BVH	(80°-90°)	1.3	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°	408.1	408.1	408.1	408.1	408.1	408.1	408.1	408.1	408.1	408.1	408.1
2.5°	462.0	458.2	457.2	455.3	450.5	450.0	449.0	440.4	434.1	427.8	418.2
5°	506.8	503.9	501.5	501.0	497.6	493.3	492.3	480.3	468.8	455.8	435.5
7.5°	539.5	536.6	536.6	536.6	532.8	531.3	531.3	518.8	507.7	488.0	460.6
10°	546.2	544.3	546.2	551.0	555.9	557.8	559.7	556.8	547.7	526.0	492.8
12.5°	529.4	527.5	529.4	536.6	545.8	554.9	566.9	582.3	585.7	570.8	527.5
15°	512.5	510.1	506.3	504.8	514.5	528.4	544.8	586.7	617.5	613.1	567.4
17.5°	502.0	501.5	492.3	479.8	480.8	491.4	512.5	569.3	632.9	651.2	604.5
20°	491.9	490.4	480.3	462.5	458.6	468.3	486.1	545.3	630.0	686.3	643.0
22.5°	486.6	484.6	471.2	450.0	446.1	454.8	470.7	519.3	615.5	707.0	679.5
25°	492.8	491.4	472.1	447.6	444.2	451.4	465.4	505.3	596.8	714.7	708.9
27.5°	514.0	511.1	485.6	456.2	451.9	458.6	470.2	500.5	580.4	711.8	732.5
30°	586.2	575.1	537.1	482.2	468.8	473.1	482.2	506.8	569.8	707.9	759.0
32.5°	726.2	720.5	656.9	557.3	506.3	502.4	508.7	526.0	577.0	728.2	808.0
35°	969.7	962.5	872.5	714.2	582.3	561.2	557.3	572.2	631.9	733.4	816.2
37.5°	1159.4	1152.6	1077.1	958.2	795.5	726.7	682.0	675.7	635.3	708.9	826.3
40°	1251.8	1240.2	1129.5	969.3	848.0	796.5	746.9	645.9	600.6	694.5	852.3
42.5°	1475.1	1443.3	1312.9	1112.2	893.2	798.9	711.3	604.5	613.1	709.4	892.7
45°	1723.4	1725.3	1567.5	1300.9	1041.5	928.8	819.1	654.0	657.9	747.4	946.2
47.5°	2009.8	1976.6	1809.6	1540.0	1226.7	1099.2	976.5	740.2	721.4	808.5	1017.9
50°	2218.1	2197.0	2067.0	1812.9	1455.3	1310.5	1149.3	869.6	825.4	878.8	1090.5
52.5°	2333.2	2328.4	2263.4	2059.8	1738.3	1569.9	1359.1	1021.2	952.4	956.3	1144.4
55°	2423.6	2410.7	2407.8	2308.1	2058.4	1910.1	1635.8	1227.2	1113.6	1031.8	1198.3
57.5°	2514.6	2499.7	2512.2	2494.4	2402.5	2274.9	1967.9	1451.0	1254.2	1112.2	1262.8
60°	2516.0	2501.1	2536.3	2611.3	2652.2	2586.3	2304.8	1695.5	1409.1	1194.5	1350.4
62.5°	2400.1	2385.1	2445.3	2601.7	2772.6	2764.4	2566.1	1929.9	1563.6	1276.8	1423.1
65°	2147.4	2135.4	2227.3	2461.7	2740.3	2802.9	2687.9	2133.4	1668.5	1280.6	1385.6
67.5°	1637.7	1659.4	1815.3	2138.7	2572.8	2698.4	2670.5	2186.9	1617.0	1164.2	1242.6
70°	1056.9	1096.3	1270.5	1652.2	2189.3	2413.5	2428.0	1941.4	1353.3	946.6	933.7
72.5°	562.6	569.8	730.6	1068.9	1664.7	1959.2	1980.9	1461.6	926.0	629.0	509.7
75°	246.4	266.1	357.6	601.1	1109.3	1435.6	1371.1	875.9	477.9	287.8	197.3
77.5°	88.6	95.8	139.1	294.1	626.1	840.3	783.0	416.3	193.0	127.5	57.8
80°	42.8	43.3	55.8	112.1	261.8	354.2	308.0	147.3	88.1	71.7	22.6
82.5°	14.4	17.8	31.8	44.3	97.2	120.8	89.0	54.9	52.5	54.4	15.9
85°	0.0	0.5	15.9	24.1	25.0	28.4	22.6	24.1	32.2	32.7	5.3
87.5°	0.0	0.0	0.0	4.8	5.3	5.3	2.9	5.8	13.5	15.9	1.0
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°	408.1	408.1	408.1	408.1	408.1	408.1	408.1	408.1	408.1	408.1	408.1
2.5°	412.4	406.7	395.1	385.5	372.5	363.4	353.7	349.4	346.5	334.5	333.5
5°	424.5	411.5	385.0	356.1	327.7	299.8	273.4	258.4	245.4	240.2	233.9
7.5°	442.3	422.5	375.9	326.3	272.9	229.6	200.2	183.8	170.4	168.0	166.0
10°	466.8	437.0	368.2	287.8	212.7	171.8	147.7	137.2	132.8	131.9	130.4
12.5°	493.8	455.3	359.5	243.0	166.5	131.9	121.8	121.8	124.2	125.1	125.1
15°	528.4	476.5	343.1	203.1	133.8	115.5	115.0	116.9	119.4	120.3	120.8
17.5°	558.7	498.6	322.4	166.5	115.0	109.7	110.7	112.1	114.5	116.5	116.5
20°	591.5	518.8	301.3	137.2	105.9	104.4	105.4	107.3	110.2	111.7	112.1
22.5°	620.3	534.7	276.7	117.9	99.6	99.6	101.1	103.0	106.4	108.8	108.8
25°	644.4	547.2	250.3	104.9	93.8	94.3	95.8	98.7	102.0	104.4	104.9
27.5°	663.2	553.5	219.9	94.3	88.1	88.1	90.5	93.8	98.2	101.1	101.1
30°	687.2	563.1	196.8	86.6	81.8	81.8	83.7	88.1	93.8	97.7	97.7
32.5°	723.3	579.9	172.3	79.9	76.0	76.0	78.0	81.8	87.6	92.4	93.4
35°	729.1	572.2	147.3	74.6	70.7	70.3	71.2	74.6	79.4	82.8	84.2
37.5°	738.3	572.2	123.7	68.8	65.5	65.0	65.5	66.9	68.8	69.8	69.3
40°	758.5	576.1	104.0	64.0	60.6	59.7	59.2	58.7	56.8	54.4	53.9
42.5°	790.2	586.2	87.1	58.7	55.3	54.4	52.9	49.6	45.2	41.9	41.9
45°	828.3	595.3	73.2	54.4	50.5	49.6	45.2	39.9	34.7	32.2	32.2
47.5°	874.9	606.4	62.1	50.5	46.7	44.3	37.1	30.8	26.5	25.5	25.5
50°	928.8	613.1	52.5	46.2	42.8	38.5	29.4	24.1	20.7	20.2	20.2
52.5°	966.4	612.6	44.8	42.4	39.0	32.2	23.6	19.3	16.8	15.9	15.9
55°	1002.5	605.9	37.5	37.5	33.7	26.0	19.3	15.9	13.5	12.5	12.0
57.5°	1046.3	602.5	32.2	31.3	27.4	21.2	15.9	13.0	10.6	8.7	8.2
60°	1116.1	608.3	27.0	25.0	21.7	16.8	13.0	10.1	7.7	5.3	4.8
62.5°	1162.7	602.5	22.1	20.2	17.3	13.5	9.6	7.2	4.3	2.9	2.4
65°	1119.4	538.1	18.8	16.4	14.0	10.6	7.2	4.8	1.9	0.5	0.0
67.5°	967.8	429.8	15.9	13.5	11.1	8.2	5.3	2.9	0.5	0.0	0.0
70°	703.6	289.7	14.0	11.1	8.7	6.7	3.9	1.4	0.0	0.0	0.0
72.5°	368.2	136.2	12.5	10.1	7.7	5.3	2.9	1.0	0.0	0.0	0.0
75°	129.0	49.1	11.6	9.6	6.7	4.3	2.4	1.0	0.0	0.0	0.0
77.5°	40.4	22.1	11.6	10.1	7.2	4.3	2.4	1.0	0.0	0.0	0.0
80°	18.3	14.4	10.6	9.6	6.7	4.3	2.4	0.5	0.0	0.0	0.0
82.5°	13.0	11.6	10.1	8.7	6.3	3.9	1.9	0.5	0.0	0.0	0.0
85°	4.8	3.9	3.9	4.8	4.3	2.4	1.0	0.0	0.0	0.0	0.0
87.5°	0.5	0.5	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)