

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: P1207937

Luminaire Tested: UPW-SA1-030-827-U-SL4-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207937
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-SA1-030-827-U-SL4-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 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: 2665 lumens
Efficiency: N/A
Efficacy: 78.4 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

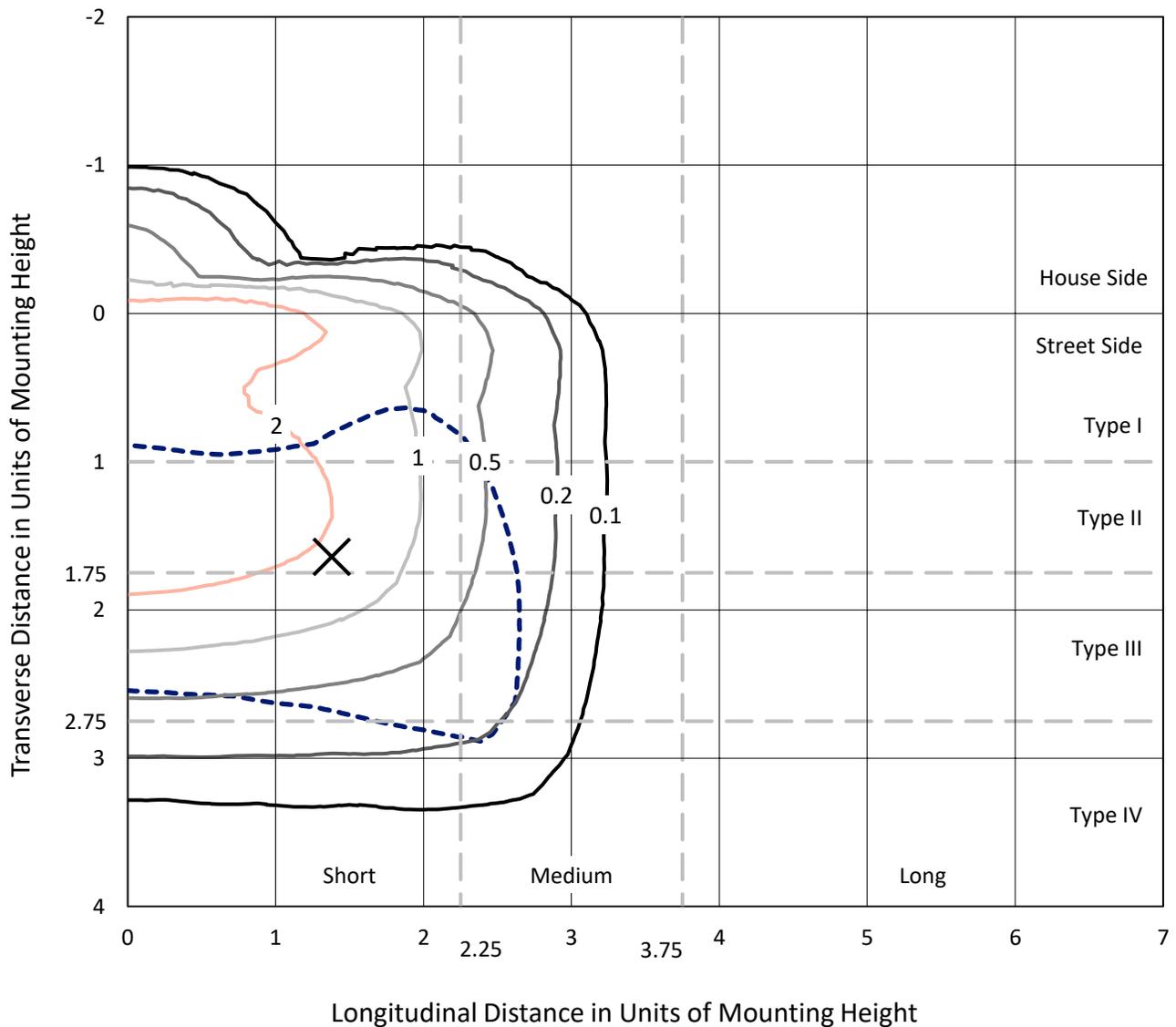
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

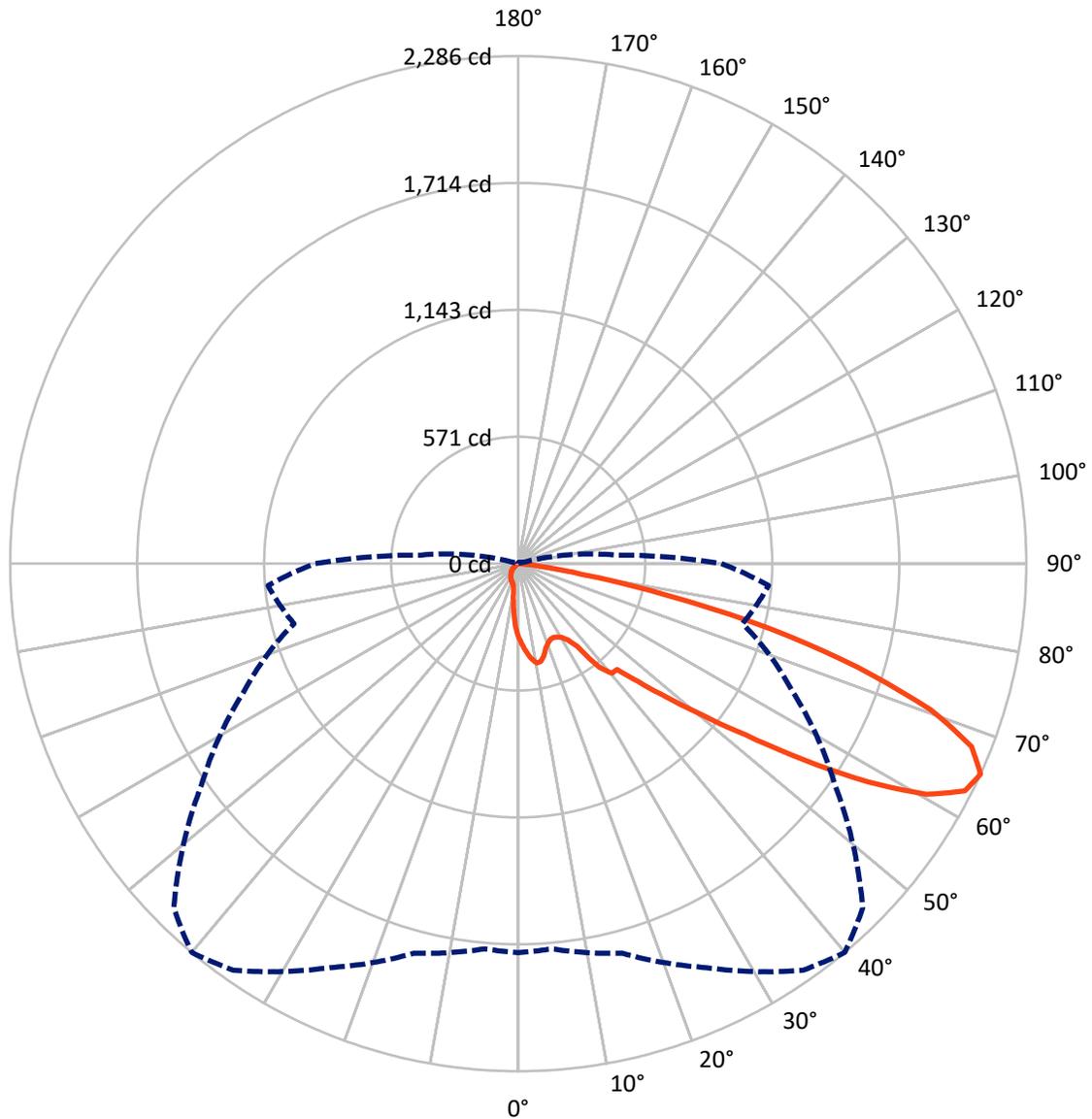
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5 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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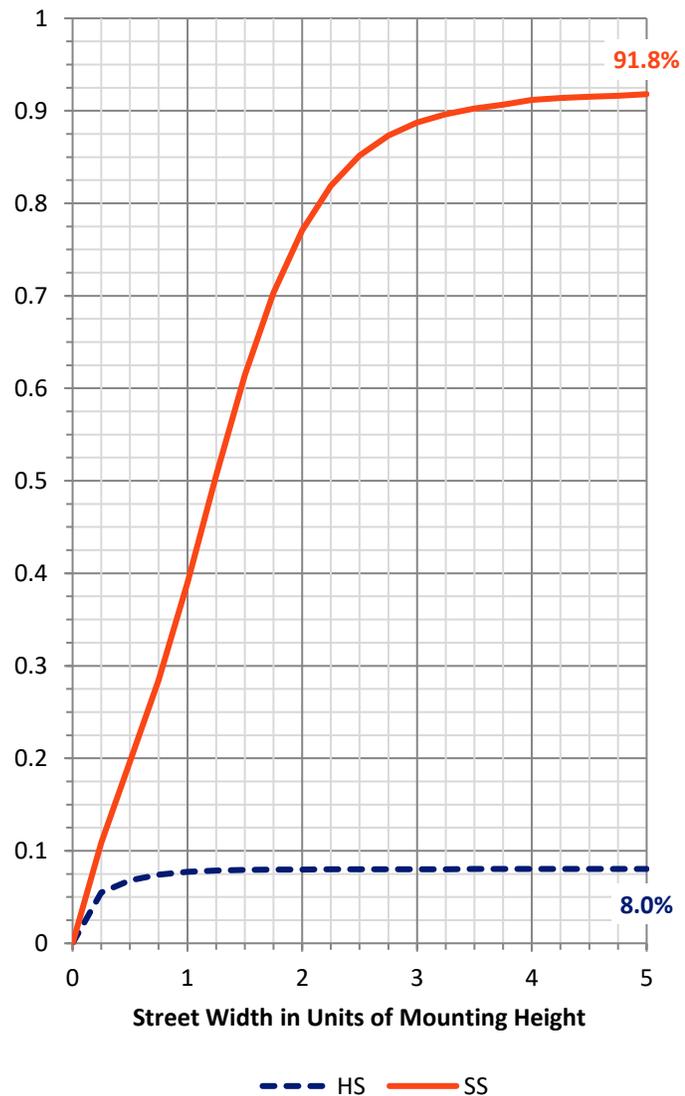
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	215.7	0.0	215.7
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	2449.3	0.0	2449.3
	% Fixture	91.9	0.0	91.9
Total	Lumens	2665.0	0.0	2665.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.5	1.1
10°-20°	85.8	3.2
20°-30°	134.0	5.0
30°-40°	222.0	8.3
40°-50°	376.5	14.1
50°-60°	663.1	24.9
60°-70°	825.9	31.0
70°-80°	310.4	11.6
80°-90°	16.8	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°	2665.0	100.0
0°-180°	2665.0	100.0



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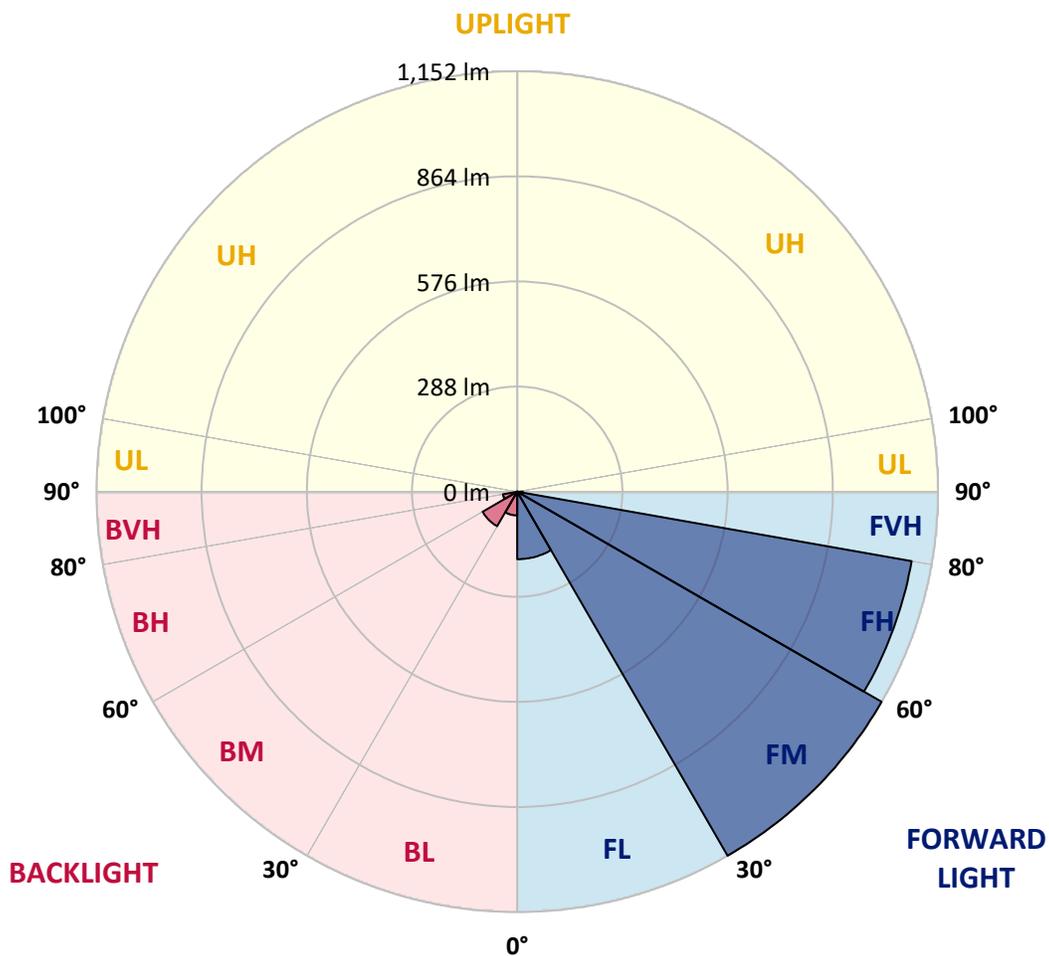
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	185.1	6.9			
FM	(30°-60°)	1152.0	43.2			
FH	(60°-80°)	1096.5	41.1			G1/1800
FVH	(80°-90°)	15.7	0.6			G1/100
BL	(0°-30°)	65.3	2.4	B0/110		
BM	(30°-60°)	109.5	4.1	B0/220		
BH	(60°-80°)	39.8	1.5	B0/110		G0/110
BVH	(80°-90°)	1.1	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°	332.8	332.8	332.8	332.8	332.8	332.8	332.8	332.8	332.8	332.8	332.8
2.5°	376.8	373.6	372.8	371.3	367.3	367.0	366.2	359.1	354.0	348.9	341.1
5°	413.3	410.9	408.9	408.6	405.8	402.3	401.5	391.7	382.3	371.7	355.2
7.5°	440.0	437.6	437.6	437.6	434.5	433.3	433.3	423.1	414.0	398.0	375.6
10°	445.4	443.9	445.4	449.4	453.3	454.9	456.4	454.1	446.6	429.0	401.9
12.5°	431.7	430.1	431.7	437.6	445.1	452.5	462.3	474.9	477.6	465.5	430.1
15°	418.0	416.0	412.9	411.7	419.5	430.9	444.3	478.4	503.5	500.0	462.7
17.5°	409.3	408.9	401.5	391.3	392.1	400.7	418.0	464.3	516.1	531.0	492.9
20°	401.1	399.9	391.7	377.2	374.0	381.9	396.4	444.7	513.7	559.7	524.3
22.5°	396.8	395.2	384.2	367.0	363.8	370.9	383.8	423.5	502.0	576.5	554.2
25°	401.9	400.7	385.0	365.0	362.2	368.1	379.5	412.1	486.7	582.8	578.1
27.5°	419.2	416.8	396.0	372.1	368.5	374.0	383.4	408.2	473.3	580.5	597.3
30°	478.0	469.0	438.0	393.2	382.3	385.8	393.2	413.3	464.7	577.3	618.9
32.5°	592.2	587.5	535.7	454.5	412.9	409.7	414.8	429.0	470.6	593.8	658.9
35°	790.8	784.9	711.5	582.4	474.9	457.6	454.5	466.6	515.3	598.1	665.6
37.5°	945.4	939.9	878.3	781.4	648.7	592.6	556.1	551.0	518.1	578.1	673.9
40°	1020.8	1011.4	921.1	790.4	691.5	649.5	609.1	526.7	489.8	566.3	695.1
42.5°	1202.9	1177.0	1070.6	907.0	728.4	651.5	580.1	492.9	500.0	578.5	728.0
45°	1405.4	1407.0	1278.3	1060.8	849.3	757.5	668.0	533.4	536.5	609.5	771.6
47.5°	1638.9	1611.8	1475.7	1255.9	1000.4	896.4	796.3	603.6	588.3	659.3	830.1
50°	1808.9	1791.6	1685.6	1478.4	1186.8	1068.7	937.2	709.2	673.1	716.6	889.3
52.5°	1902.7	1898.7	1845.8	1679.7	1417.6	1280.2	1108.3	832.8	776.7	779.8	933.3
55°	1976.4	1965.8	1963.5	1882.3	1678.6	1557.7	1334.0	1000.8	908.2	841.4	977.2
57.5°	2050.6	2038.5	2048.7	2034.1	1959.2	1855.2	1604.8	1183.3	1022.8	907.0	1029.8
60°	2051.8	2039.6	2068.3	2129.5	2162.9	2109.1	1879.5	1382.6	1149.1	974.1	1101.3
62.5°	1957.2	1945.0	1994.1	2121.7	2261.0	2254.3	2092.6	1573.8	1275.1	1041.2	1160.5
65°	1751.2	1741.4	1816.3	2007.4	2234.7	2285.7	2191.9	1739.8	1360.7	1044.3	1129.9
67.5°	1335.6	1353.2	1480.4	1744.1	2098.1	2200.5	2177.8	1783.4	1318.7	949.4	1013.3
70°	861.8	894.0	1036.1	1347.3	1785.3	1968.2	1980.0	1583.2	1103.6	772.0	761.4
72.5°	458.8	464.7	595.8	871.7	1357.5	1597.7	1615.4	1191.9	755.1	512.9	415.6
75°	200.9	217.0	291.6	490.2	904.6	1170.7	1118.1	714.3	389.7	234.7	160.9
77.5°	72.2	78.1	113.4	239.8	510.6	685.2	638.5	339.5	157.4	104.0	47.1
80°	34.9	35.3	45.5	91.4	213.5	288.9	251.2	120.1	71.8	58.5	18.4
82.5°	11.8	14.5	25.9	36.1	79.3	98.5	72.6	44.7	42.8	44.3	13.0
85°	0.0	0.4	13.0	19.6	20.4	23.2	18.4	19.6	26.3	26.7	4.3
87.5°	0.0	0.0	0.0	3.9	4.3	4.3	2.4	4.7	11.0	13.0	0.8
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°	332.8	332.8	332.8	332.8	332.8	332.8	332.8	332.8	332.8	332.8	332.8
2.5°	336.3	331.6	322.2	314.4	303.8	296.3	288.5	284.9	282.6	272.8	272.0
5°	346.2	335.6	314.0	290.4	267.3	244.5	222.9	210.8	200.2	195.8	190.7
7.5°	360.7	344.6	306.5	266.1	222.5	187.2	163.3	149.9	138.9	137.0	135.4
10°	380.7	356.4	300.2	234.7	173.5	140.1	120.5	111.9	108.3	107.5	106.4
12.5°	402.7	371.3	293.2	198.2	135.8	107.5	99.3	99.3	101.3	102.0	102.0
15°	430.9	388.5	279.8	165.6	109.1	94.2	93.8	95.4	97.3	98.1	98.5
17.5°	455.6	406.6	263.0	135.8	93.8	89.5	90.3	91.4	93.4	95.0	95.0
20°	482.3	423.1	245.7	111.9	86.3	85.2	85.9	87.5	89.9	91.1	91.4
22.5°	505.9	436.0	225.7	96.2	81.2	81.2	82.4	84.0	86.7	88.7	88.7
25°	525.5	446.2	204.1	85.6	76.5	76.9	78.1	80.5	83.2	85.2	85.6
27.5°	540.8	451.3	179.4	76.9	71.8	71.8	73.8	76.5	80.1	82.4	82.4
30°	560.4	459.2	160.5	70.6	66.7	66.7	68.3	71.8	76.5	79.7	79.7
32.5°	589.9	472.9	140.5	65.1	62.0	62.0	63.6	66.7	71.4	75.4	76.1
35°	594.6	466.6	120.1	60.8	57.7	57.3	58.1	60.8	64.8	67.5	68.7
37.5°	602.0	466.6	100.9	56.1	53.4	53.0	53.4	54.6	56.1	56.9	56.5
40°	618.5	469.8	84.8	52.2	49.5	48.7	48.3	47.9	46.3	44.3	44.0
42.5°	644.4	478.0	71.0	47.9	45.1	44.3	43.2	40.4	36.9	34.1	34.1
45°	675.4	485.5	59.7	44.3	41.2	40.4	36.9	32.6	28.3	26.3	26.3
47.5°	713.5	494.5	50.6	41.2	38.1	36.1	30.2	25.1	21.6	20.8	20.8
50°	757.5	500.0	42.8	37.7	34.9	31.4	23.9	19.6	16.9	16.5	16.5
52.5°	788.1	499.6	36.5	34.5	31.8	26.3	19.2	15.7	13.7	13.0	13.0
55°	817.5	494.1	30.6	30.6	27.5	21.2	15.7	13.0	11.0	10.2	9.8
57.5°	853.2	491.4	26.3	25.5	22.4	17.3	13.0	10.6	8.6	7.1	6.7
60°	910.1	496.1	22.0	20.4	17.7	13.7	10.6	8.2	6.3	4.3	3.9
62.5°	948.2	491.4	18.1	16.5	14.1	11.0	7.8	5.9	3.5	2.4	2.0
65°	912.9	438.8	15.3	13.3	11.4	8.6	5.9	3.9	1.6	0.4	0.0
67.5°	789.2	350.5	13.0	11.0	9.0	6.7	4.3	2.4	0.4	0.0	0.0
70°	573.8	236.3	11.4	9.0	7.1	5.5	3.1	1.2	0.0	0.0	0.0
72.5°	300.2	111.1	10.2	8.2	6.3	4.3	2.4	0.8	0.0	0.0	0.0
75°	105.2	40.0	9.4	7.8	5.5	3.5	2.0	0.8	0.0	0.0	0.0
77.5°	33.0	18.1	9.4	8.2	5.9	3.5	2.0	0.8	0.0	0.0	0.0
80°	14.9	11.8	8.6	7.8	5.5	3.5	2.0	0.4	0.0	0.0	0.0
82.5°	10.6	9.4	8.2	7.1	5.1	3.1	1.6	0.4	0.0	0.0	0.0
85°	3.9	3.1	3.1	3.9	3.5	2.0	0.8	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)