

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: P1208909

Luminaire Tested: UPW-SA2-070-827-U-SL4-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208909
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-SA2-070-827-U-SL4-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH 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: 5209 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 66
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

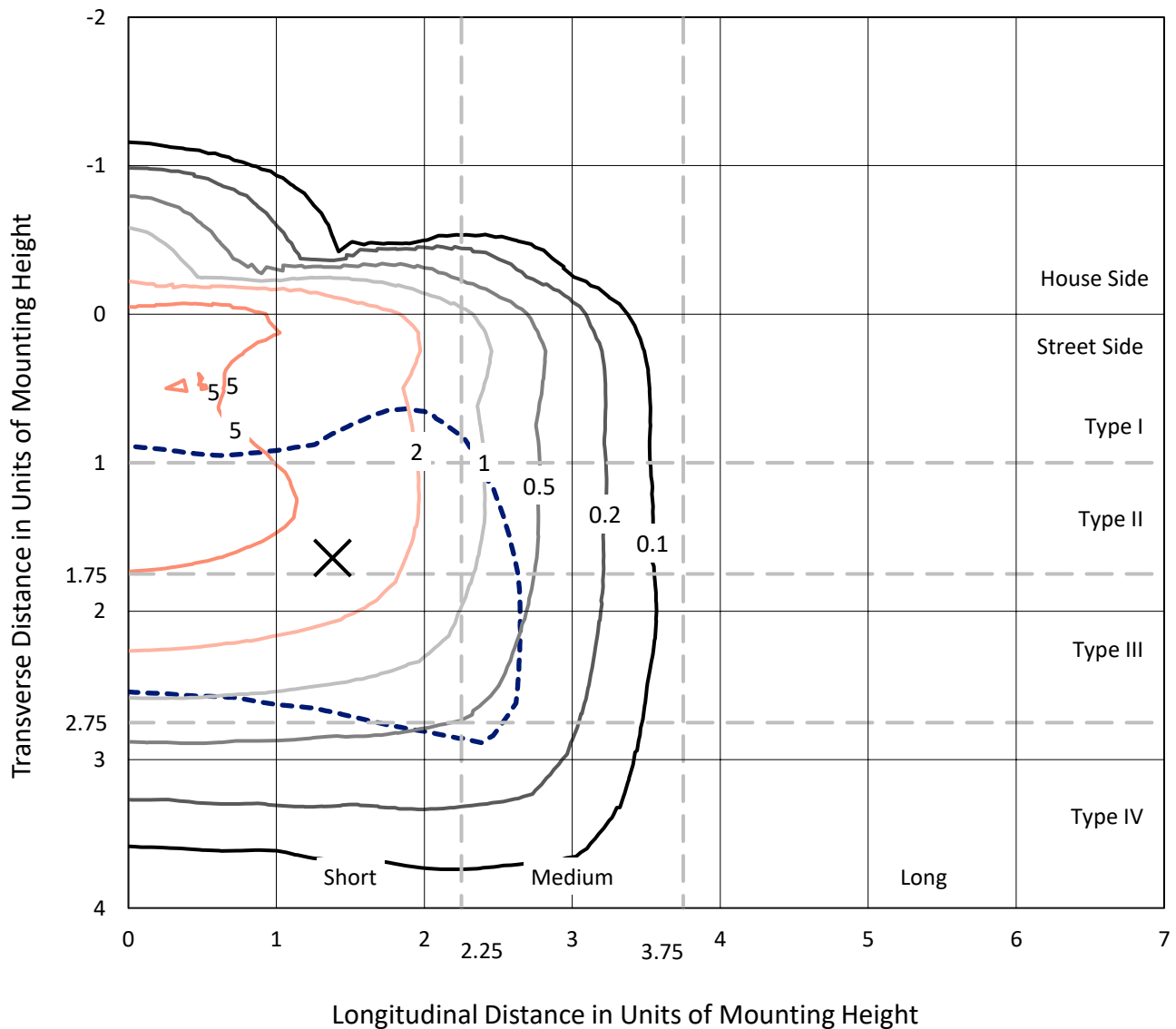


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

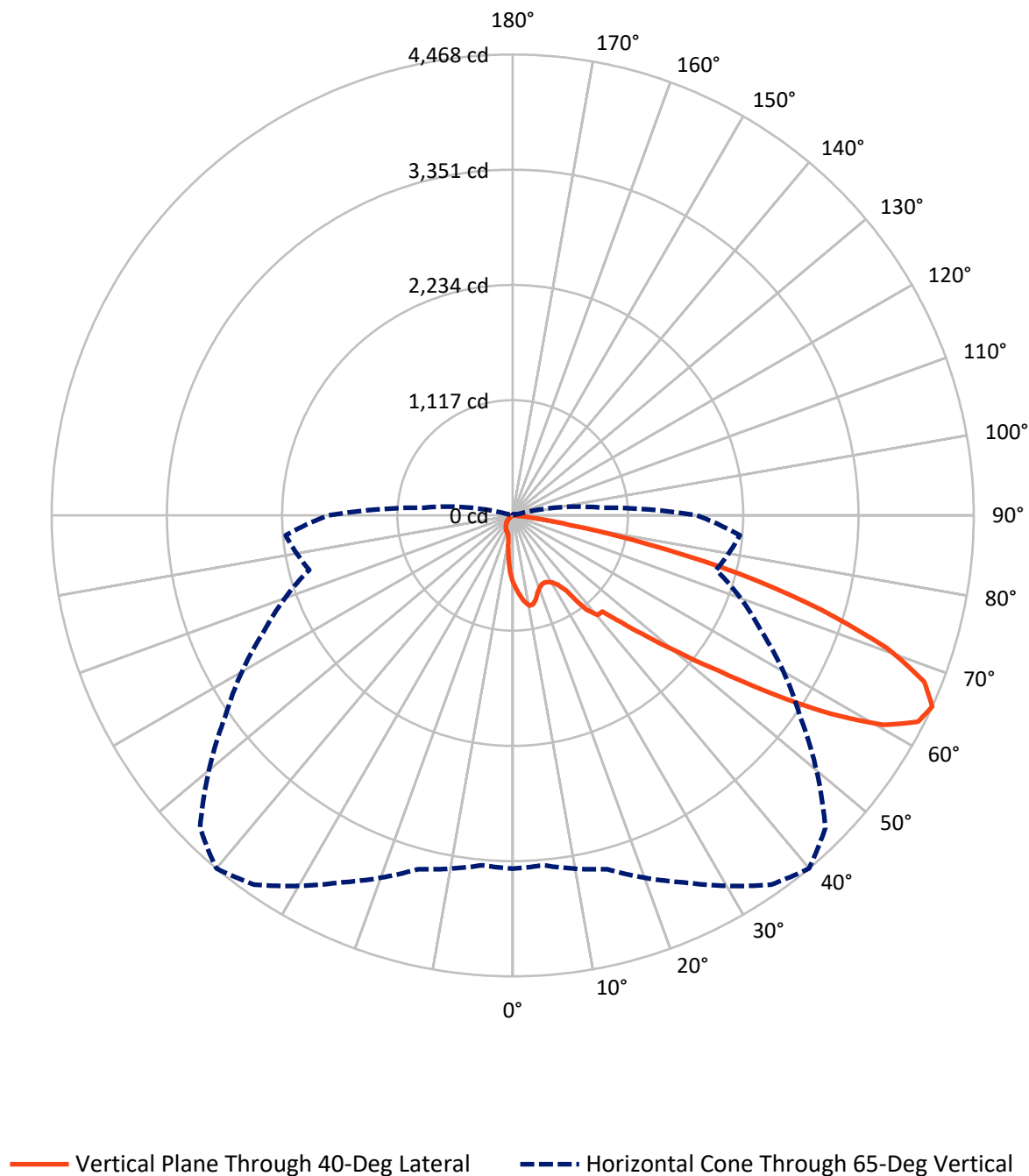


Based on 10 foot mounting height. Maximum calculated value = 9.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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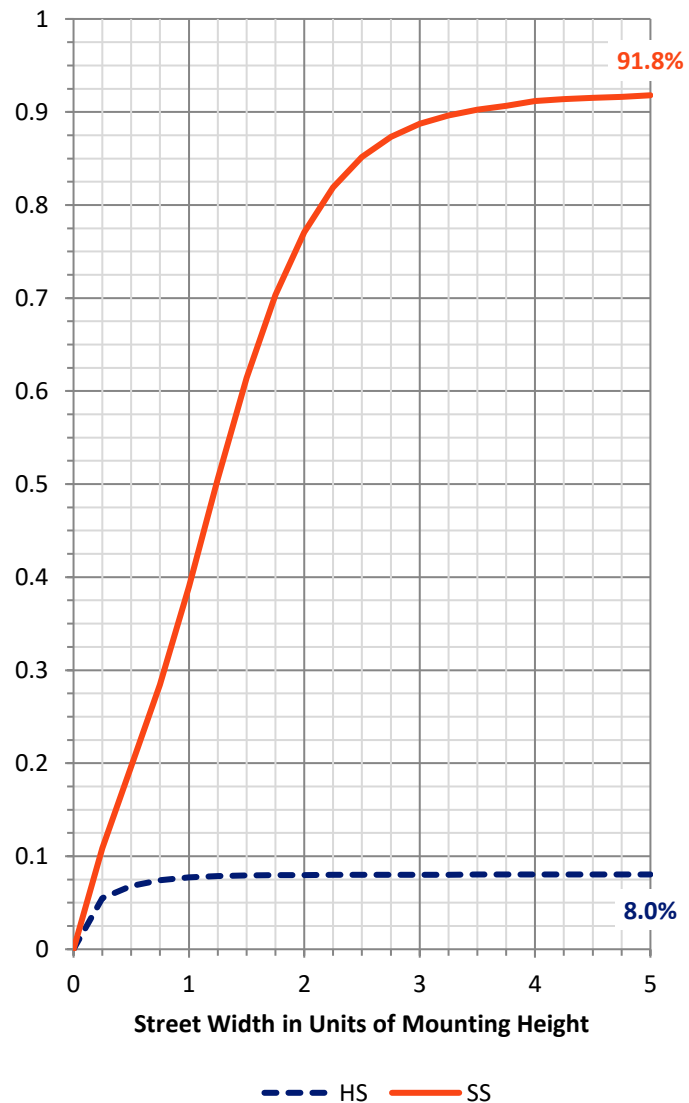
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	421.6	0.0	421.6
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	4787.4	0.0	4787.4
	% Fixture	91.9	0.0	91.9
Total	Lumens	5209.0	0.0	5209.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.7	1.1
10°-20°	167.8	3.2
20°-30°	261.9	5.0
30°-40°	433.9	8.3
40°-50°	735.8	14.1
50°-60°	1296.1	24.9
60°-70°	1614.3	31.0
70°-80°	606.7	11.6
80°-90°	32.8	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°	5209.0	100.0
0°-180°	5209.0	100.0

Coefficient of Utilization



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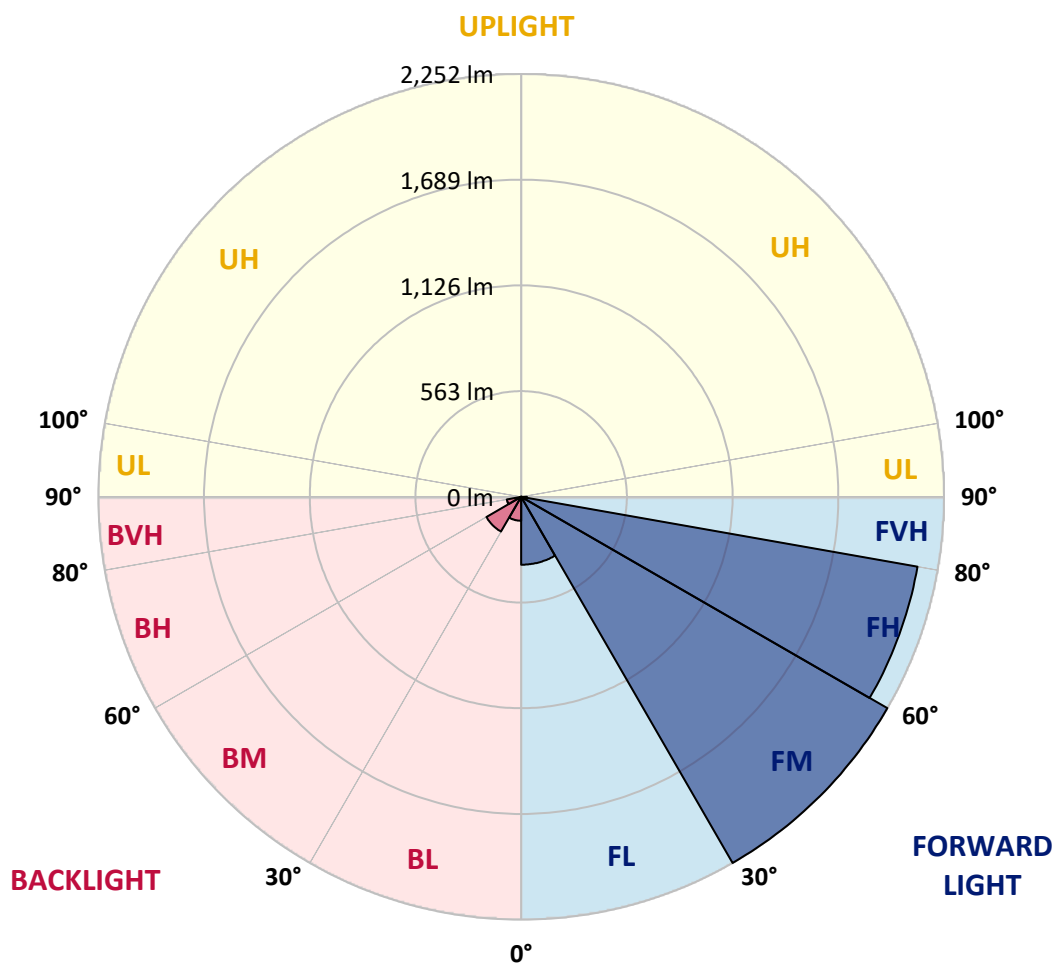
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	361.8	6.9			
FM	(30°-60°)	2251.8	43.2			
FH	(60°-80°)	2143.2	41.1			G2/5000
FVH	(80°-90°)	30.7	0.6			G1/100
BL	(0°-30°)	127.6	2.4	B1/500		
BM	(30°-60°)	214.1	4.1	B0/220		
BH	(60°-80°)	77.8	1.5	B0/110		G0/110
BVH	(80°-90°)	2.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5
2.5°	736.4	730.3	728.8	725.7	718.0	717.2	715.7	701.9	691.9	682.0	666.6
5°	807.8	803.2	799.3	798.6	793.2	786.3	784.8	765.6	747.2	726.5	694.2
7.5°	859.9	855.3	855.3	855.3	849.2	846.9	846.9	826.9	809.3	777.8	734.1
10°	870.7	867.6	870.7	878.3	886.0	889.1	892.1	887.5	873.0	838.4	785.5
12.5°	843.8	840.7	843.8	855.3	869.9	884.5	903.7	928.2	933.6	909.8	840.7
15°	817.0	813.1	807.0	804.7	820.0	842.3	868.4	935.1	984.2	977.3	904.4
17.5°	800.1	799.3	784.8	764.8	766.3	783.2	817.0	907.5	1008.7	1037.9	963.5
20°	784.0	781.7	765.6	737.2	731.1	746.4	774.8	869.1	1004.1	1093.9	1024.9
22.5°	775.5	772.5	751.0	717.2	711.1	724.9	750.2	827.7	981.1	1126.9	1083.2
25°	785.5	783.2	752.5	713.4	708.0	719.5	741.8	805.5	951.2	1139.2	1129.9
27.5°	819.3	814.7	774.0	727.2	720.3	731.1	749.5	797.8	925.1	1134.6	1167.5
30°	934.3	916.7	856.1	768.6	747.2	754.1	768.6	807.8	908.3	1128.4	1209.7
32.5°	1157.6	1148.4	1047.1	888.3	807.0	800.9	810.8	838.4	919.8	1160.6	1288.0
35°	1545.7	1534.2	1390.8	1138.4	928.2	894.4	888.3	912.1	1007.2	1169.1	1301.0
37.5°	1848.0	1837.2	1716.8	1527.3	1268.0	1158.3	1087.0	1077.0	1012.6	1129.9	1317.1
40°	1995.2	1976.8	1800.4	1545.0	1351.6	1269.6	1190.5	1029.5	957.3	1106.9	1358.5
42.5°	2351.2	2300.6	2092.7	1772.8	1423.8	1273.4	1133.8	963.5	977.3	1130.7	1423.0
45°	2747.0	2750.1	2498.5	2073.5	1660.0	1480.5	1305.6	1042.5	1048.6	1191.3	1508.1
47.5°	3203.4	3150.5	2884.3	2454.7	1955.4	1752.1	1556.5	1179.8	1149.9	1288.7	1622.4
50°	3535.6	3501.8	3294.7	2889.7	2319.7	2088.8	1831.9	1386.2	1315.6	1400.7	1738.3
52.5°	3718.9	3711.3	3607.7	3283.2	2770.8	2502.3	2166.3	1627.8	1518.1	1524.2	1824.2
55°	3863.1	3842.4	3837.8	3679.0	3280.9	3044.6	2607.4	1956.1	1775.1	1644.7	1910.1
57.5°	4008.1	3984.4	4004.3	3975.9	3829.4	3626.1	3136.7	2312.8	1999.1	1772.8	2012.9
60°	4010.4	3986.7	4042.7	4162.3	4227.5	4122.4	3673.7	2702.5	2246.1	1904.0	2152.5
62.5°	3825.6	3801.8	3897.7	4147.0	4419.3	4406.3	4090.2	3076.1	2492.3	2035.1	2268.3
65°	3422.8	3403.7	3550.2	3923.8	4367.9	4467.6	4284.3	3400.6	2659.6	2041.3	2208.5
67.5°	2610.5	2645.0	2893.5	3409.0	4101.0	4301.2	4256.7	3485.7	2577.5	1855.6	1980.7
70°	1684.6	1747.5	2025.2	2633.5	3489.6	3847.0	3870.1	3094.5	2157.1	1508.9	1488.2
72.5°	896.7	908.3	1164.5	1703.7	2653.4	3122.9	3157.4	2329.7	1475.9	1002.6	812.4
75°	392.8	424.2	570.0	958.1	1768.2	2288.3	2185.5	1396.1	761.7	458.7	314.5
77.5°	141.1	152.7	221.7	468.7	998.0	1339.4	1248.1	663.5	307.6	203.3	92.1
80°	68.3	69.0	89.0	178.7	417.3	564.6	490.9	234.7	140.4	114.3	36.1
82.5°	23.0	28.4	50.6	70.6	155.0	192.5	141.9	87.5	83.6	86.7	25.3
85°	0.0	0.8	25.3	38.4	39.9	45.3	36.1	38.4	51.4	52.2	8.4
87.5°	0.0	0.0	0.0	7.7	8.4	8.4	4.6	9.2	21.5	25.3	1.5
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°	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5
2.5°	657.4	648.2	629.8	614.5	593.7	579.2	563.8	556.9	552.3	533.1	531.6
5°	676.6	655.9	613.7	567.7	522.4	477.9	435.7	411.9	391.2	382.8	372.8
7.5°	705.0	673.5	599.1	520.1	434.9	365.9	319.1	293.0	271.6	267.7	264.7
10°	744.1	696.5	586.8	458.7	339.1	273.9	235.5	218.6	211.7	210.2	207.9
12.5°	787.1	725.7	573.0	387.4	265.4	210.2	194.1	194.1	197.9	199.4	199.4
15°	842.3	759.4	546.9	323.7	213.3	184.1	183.3	186.4	190.2	191.8	192.5
17.5°	890.6	794.7	514.0	265.4	183.3	174.9	176.4	178.7	182.6	185.6	185.6
20°	942.8	826.9	480.2	218.6	168.8	166.5	168.0	171.1	175.7	178.0	178.7
22.5°	988.8	852.3	441.1	187.9	158.8	158.8	161.1	164.2	169.5	173.4	173.4
25°	1027.2	872.2	398.9	167.2	149.6	150.4	152.7	157.3	162.6	166.5	167.2
27.5°	1057.1	882.2	350.6	150.4	140.4	140.4	144.2	149.6	156.5	161.1	161.1
30°	1095.4	897.5	313.7	138.1	130.4	130.4	133.5	140.4	149.6	155.7	155.7
32.5°	1153.0	924.4	274.6	127.3	121.2	121.2	124.3	130.4	139.6	147.3	148.8
35°	1162.2	912.1	234.7	118.9	112.8	112.0	113.5	118.9	126.6	131.9	134.2
37.5°	1176.7	912.1	197.1	109.7	104.3	103.6	104.3	106.6	109.7	111.2	110.5
40°	1209.0	918.2	165.7	102.0	96.7	95.1	94.4	93.6	90.5	86.7	85.9
42.5°	1259.6	934.3	138.8	93.6	88.2	86.7	84.4	79.0	72.1	66.7	66.7
45°	1320.2	948.9	116.6	86.7	80.5	79.0	72.1	63.7	55.2	51.4	51.4
47.5°	1394.6	966.6	99.0	80.5	74.4	70.6	59.1	49.1	42.2	40.7	40.7
50°	1480.5	977.3	83.6	73.6	68.3	61.4	46.8	38.4	33.0	32.2	32.2
52.5°	1540.4	976.5	71.3	67.5	62.1	51.4	37.6	30.7	26.8	25.3	25.3
55°	1597.9	965.8	59.8	59.8	53.7	41.4	30.7	25.3	21.5	19.9	19.2
57.5°	1667.7	960.4	51.4	49.9	43.7	33.8	25.3	20.7	16.9	13.8	13.0
60°	1778.9	969.6	43.0	39.9	34.5	26.8	20.7	16.1	12.3	8.4	7.7
62.5°	1853.3	960.4	35.3	32.2	27.6	21.5	15.3	11.5	6.9	4.6	3.8
65°	1784.3	857.6	29.9	26.1	22.2	16.9	11.5	7.7	3.1	0.8	0.0
67.5°	1542.7	685.0	25.3	21.5	17.6	13.0	8.4	4.6	0.8	0.0	0.0
70°	1121.5	461.8	22.2	17.6	13.8	10.7	6.1	2.3	0.0	0.0	0.0
72.5°	586.8	217.1	19.9	16.1	12.3	8.4	4.6	1.5	0.0	0.0	0.0
75°	205.6	78.2	18.4	15.3	10.7	6.9	3.8	1.5	0.0	0.0	0.0
77.5°	64.4	35.3	18.4	16.1	11.5	6.9	3.8	1.5	0.0	0.0	0.0
80°	29.2	23.0	16.9	15.3	10.7	6.9	3.8	0.8	0.0	0.0	0.0
82.5°	20.7	18.4	16.1	13.8	10.0	6.1	3.1	0.8	0.0	0.0	0.0
85°	7.7	6.1	6.1	7.7	6.9	3.8	1.5	0.0	0.0	0.0	0.0
87.5°	0.8	0.8	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)