

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: P1208378

Luminaire Tested: UPW-SA1-060-750-U-T2R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208378
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-060-750-U-T2R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS WIT
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

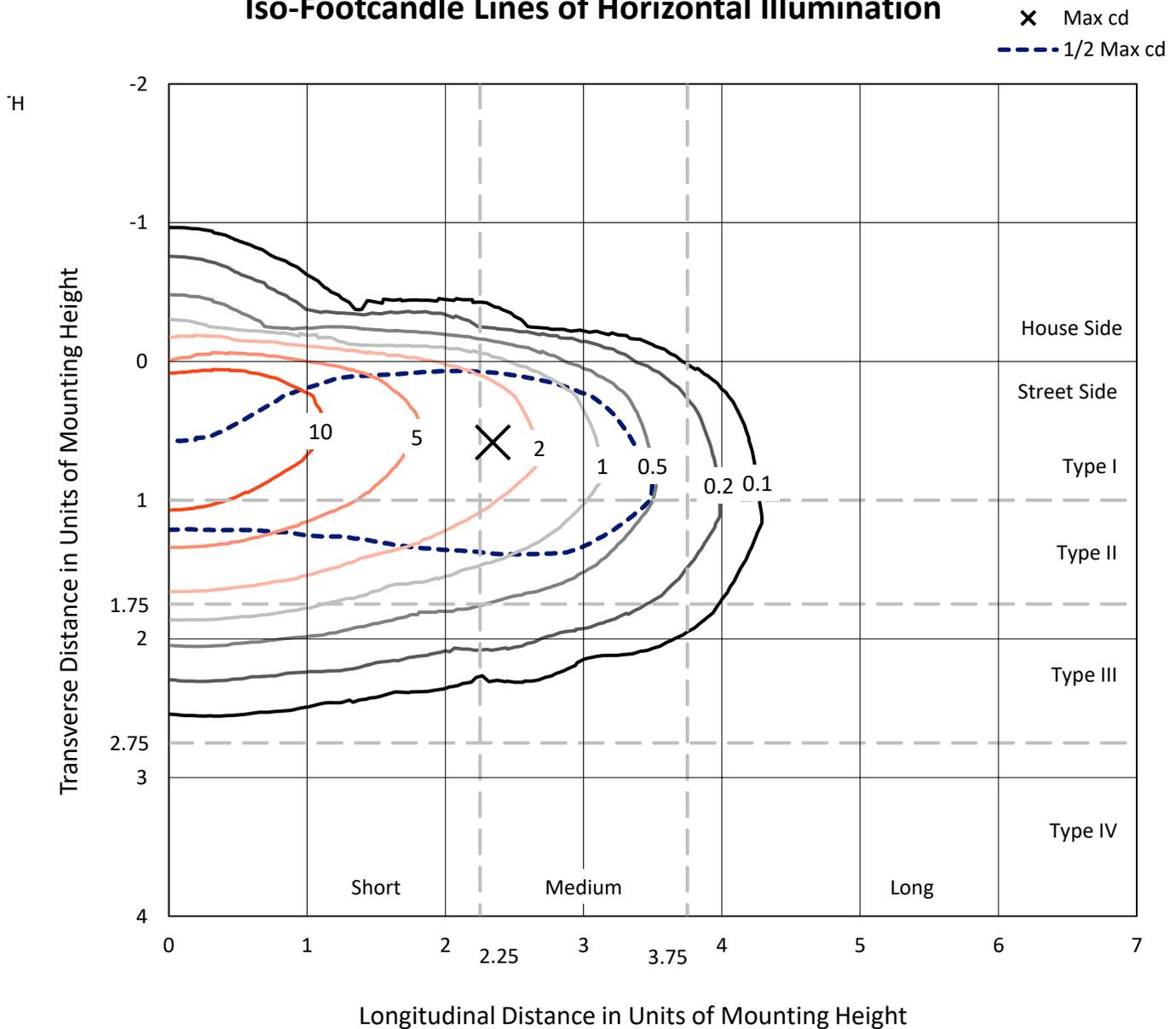
Lumens per Lamp: N/A
Luminaire Lumens: 6097 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 59
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

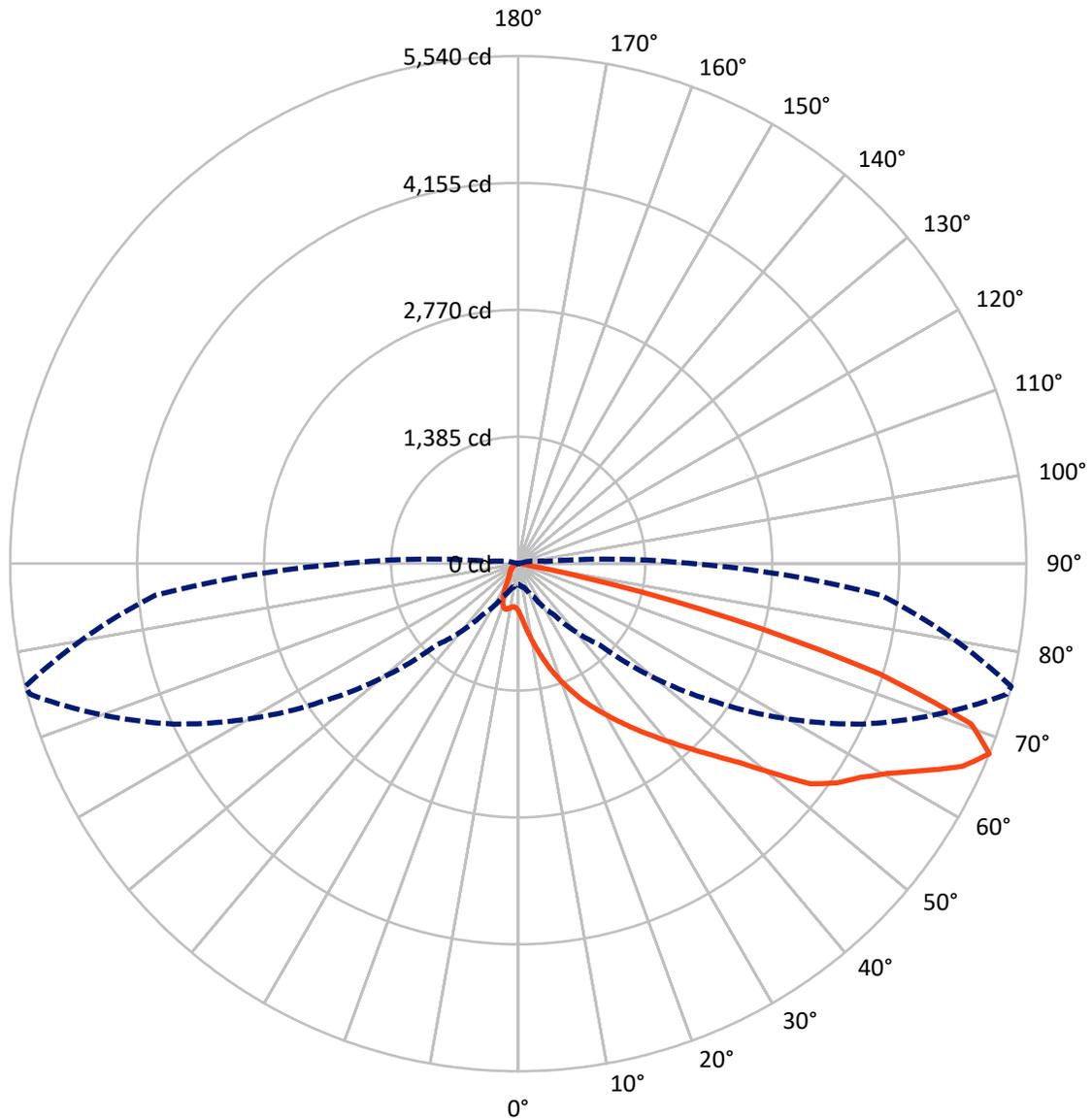


Based on 10 foot mounting height. Maximum calculated value = 18.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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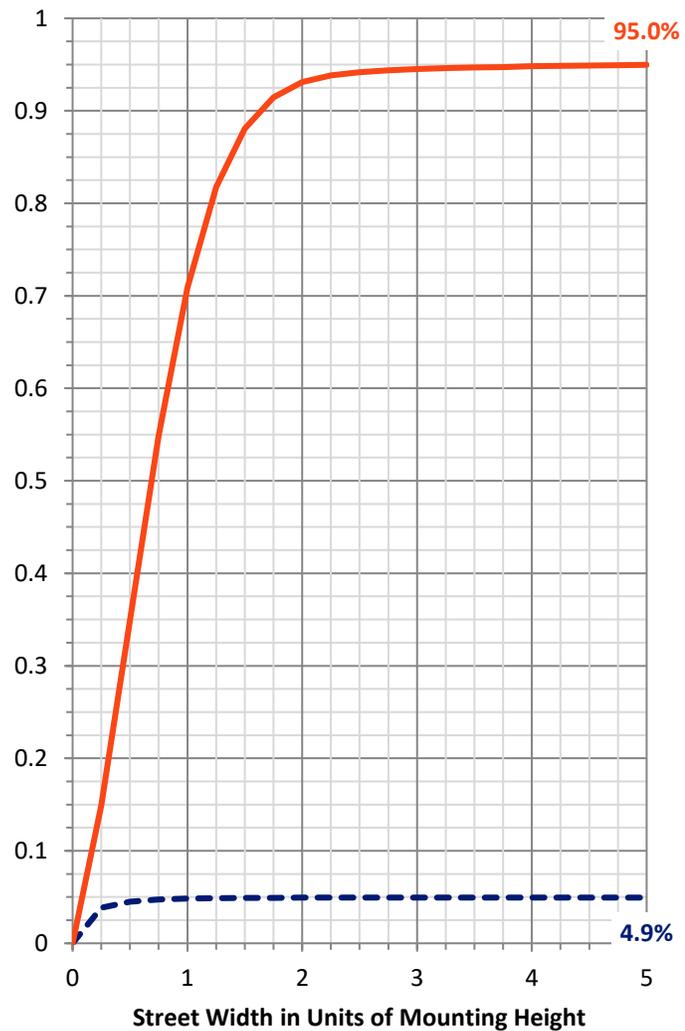
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	302.8	0.0	302.8
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	5794.2	0.0	5794.2
	% Fixture	95.0	0.0	95.0
Total	Lumens	6097.0	0.0	6097.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.3	1.1
10°-20°	254.9	4.2
20°-30°	518.7	8.5
30°-40°	900.4	14.8
40°-50°	1272.1	20.9
50°-60°	1442.6	23.7
60°-70°	1196.5	19.6
70°-80°	433.4	7.1
80°-90°	14.1	0.2
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°	6097.0	100.0
0°-180°	6097.0	100.0



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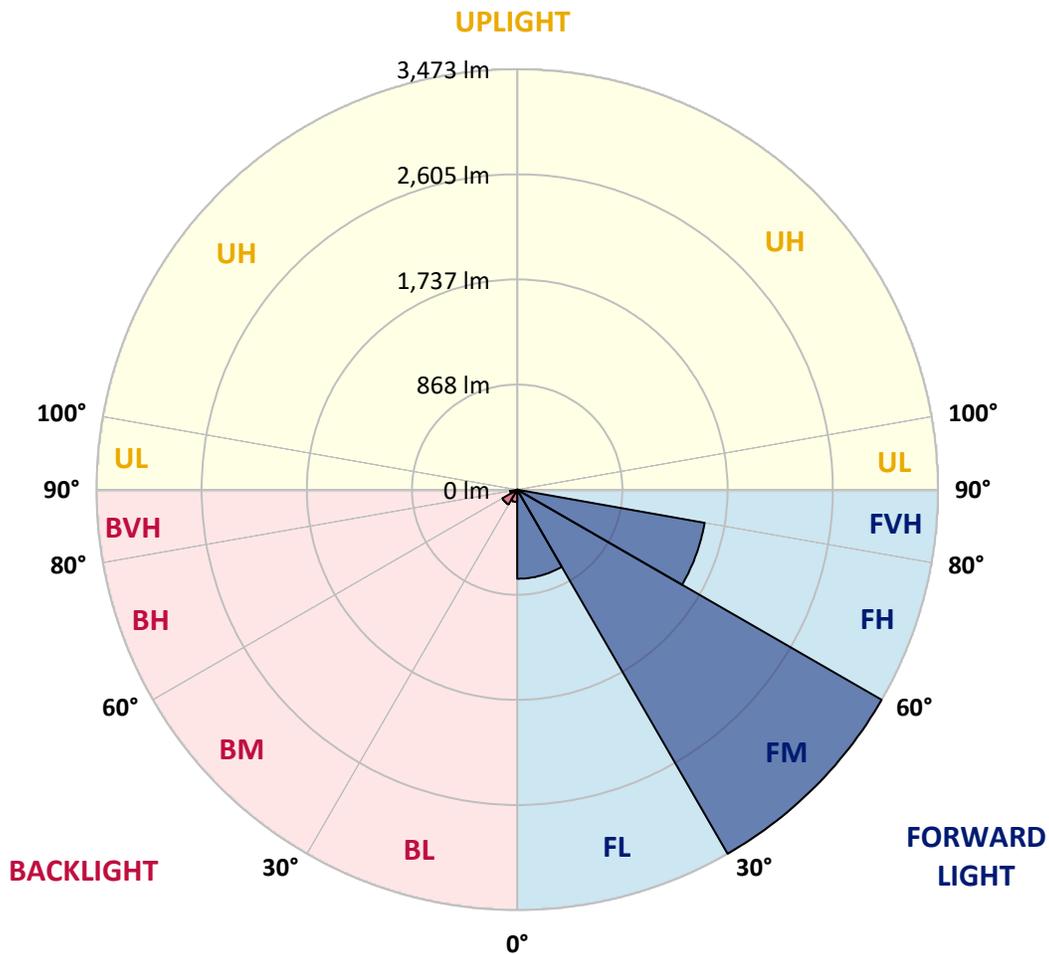
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	735.9	12.1			
FM	(30°-60°)	3473.3	57.0			
FH	(60°-80°)	1571.4	25.8			G1/1800
FVH	(80°-90°)	13.6	0.2			G1/100
BL	(0°-30°)	102.1	1.7	B0/110		
BM	(30°-60°)	141.7	2.3	B0/220		
BH	(60°-80°)	58.5	1.0	B0/110		G0/110
BVH	(80°-90°)	0.4	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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2
2.5°	772.1	754.7	758.7	747.5	727.2	685.5	650.0	616.3	577.0	575.7	543.4
5°	1041.1	1026.4	1024.5	1001.8	964.9	894.2	825.2	746.7	659.1	652.6	584.0
7.5°	1285.3	1273.5	1269.2	1242.2	1173.6	1104.7	1014.9	899.5	762.4	750.7	638.8
10°	1472.8	1467.2	1468.3	1449.0	1390.2	1326.1	1208.3	1061.1	879.7	861.6	704.5
12.5°	1614.9	1616.3	1625.9	1614.1	1581.3	1533.7	1407.9	1233.4	1009.6	984.7	779.5
15°	1719.4	1726.1	1743.7	1758.4	1756.0	1714.8	1599.4	1408.4	1147.4	1119.9	863.2
17.5°	1787.0	1794.4	1820.1	1852.7	1882.6	1873.0	1784.3	1577.3	1286.9	1255.1	952.7
20°	1846.3	1855.1	1882.6	1925.6	1981.5	1993.5	1935.2	1741.0	1426.0	1387.3	1045.1
22.5°	1974.8	1974.5	1991.3	2016.4	2069.6	2100.6	2063.7	1893.0	1563.6	1523.3	1139.4
25°	2207.2	2198.4	2192.5	2172.7	2184.5	2203.7	2183.1	2035.1	1702.0	1661.1	1235.0
27.5°	2483.4	2488.8	2441.2	2388.1	2346.9	2327.1	2293.5	2166.9	1835.1	1790.2	1328.5
30°	2774.9	2776.5	2720.4	2652.5	2562.0	2486.9	2428.7	2292.7	1971.8	1922.9	1419.4
32.5°	3037.8	3027.3	2971.8	2879.3	2765.0	2680.6	2559.6	2433.2	2116.6	2069.3	1520.4
35°	3246.1	3233.8	3166.3	3082.1	2963.5	2878.5	2732.9	2573.5	2268.9	2222.7	1621.6
37.5°	3398.4	3384.0	3314.5	3228.0	3125.7	3076.2	2934.1	2726.0	2435.1	2385.4	1728.2
40°	3451.3	3438.8	3395.2	3331.9	3249.6	3238.4	3147.6	2901.5	2615.9	2563.0	1848.9
42.5°	3419.8	3407.5	3392.0	3370.6	3336.4	3347.1	3349.0	3101.6	2816.8	2764.7	1982.3
45°	3294.8	3283.8	3299.8	3331.1	3373.6	3426.5	3532.8	3316.7	3041.2	2985.7	2136.4
47.5°	3110.7	3102.7	3147.0	3225.0	3349.3	3495.1	3700.8	3542.7	3293.2	3241.6	2328.7
50°	2848.9	2847.6	2936.2	3078.6	3269.6	3528.2	3874.5	3799.7	3643.1	3588.9	2596.2
52.5°	2441.2	2443.9	2618.3	2846.2	3129.9	3505.8	3986.1	4129.9	4050.3	3993.9	2827.8
55°	2053.0	2069.1	2192.8	2521.4	2915.7	3422.5	4024.6	4284.0	4274.9	4221.5	2956.5
57.5°	1672.9	1702.0	1821.2	2128.1	2602.8	3230.4	4003.5	4350.8	4442.2	4401.3	3126.5
60°	1260.9	1274.3	1411.6	1698.5	2201.3	2879.9	3850.4	4387.1	4670.8	4642.5	3373.0
62.5°	802.3	835.6	957.5	1234.2	1714.0	2393.1	3592.4	4386.6	4957.0	4972.5	3691.2
65°	422.6	461.6	526.3	764.9	1177.9	1849.5	3204.2	4345.5	5308.0	5329.6	3939.9
67.5°	227.9	239.1	273.3	397.0	683.1	1252.9	2633.8	4142.4	5511.3	5539.9	3974.7
70°	166.7	172.8	185.7	219.6	343.8	727.7	1921.9	3682.1	5249.2	5238.5	3531.5
72.5°	128.0	137.6	147.2	160.8	197.7	388.4	1196.6	2883.3	4188.4	4117.8	2639.7
75°	101.0	102.6	116.2	128.5	148.3	221.2	531.4	1679.3	2556.4	2389.4	1368.9
77.5°	80.7	81.7	89.8	100.4	119.1	145.3	164.6	660.7	816.1	728.3	297.1
80°	47.8	50.5	66.8	77.5	98.8	91.6	60.1	143.5	127.4	115.4	50.0
82.5°	26.7	28.9	37.7	61.2	68.9	43.8	29.9	38.7	29.9	29.1	14.2
85°	0.0	1.3	24.3	37.9	28.1	9.6	12.6	12.8	8.8	8.3	5.6
87.5°	0.0	0.0	7.5	7.2	1.1	1.6	2.9	4.3	3.5	3.5	2.9
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°	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2	517.2
2.5°	527.4	512.9	485.7	459.0	436.5	418.1	401.5	394.8	389.5	388.7	384.4
5°	550.9	521.7	469.6	426.9	398.3	378.0	360.7	350.0	341.7	338.5	335.5
7.5°	586.4	542.3	467.5	418.4	384.2	350.0	317.9	283.2	261.5	253.3	248.4
10°	629.7	569.6	475.5	416.0	356.1	284.0	230.8	186.7	168.8	163.0	161.4
12.5°	680.2	603.5	489.4	401.0	296.3	201.7	159.2	144.3	140.3	138.4	138.4
15°	738.1	640.6	499.3	357.7	219.1	152.5	137.8	130.9	126.6	124.2	124.5
17.5°	797.4	677.0	494.5	294.9	161.6	135.7	124.8	117.3	111.4	109.0	108.5
20°	857.3	710.6	467.8	219.6	136.8	123.2	110.9	102.6	96.7	94.3	93.8
22.5°	919.3	739.2	420.8	161.1	122.9	109.3	97.2	89.0	83.4	81.2	80.1
25°	979.6	762.4	355.0	130.4	109.8	96.2	84.7	76.9	71.9	69.7	69.5
27.5°	1036.0	777.1	278.9	115.1	98.3	84.4	74.0	67.1	62.8	61.2	60.9
30°	1086.8	778.5	206.2	103.9	88.2	74.3	64.7	58.5	54.8	53.2	52.6
32.5°	1138.1	767.3	150.1	93.8	78.8	65.5	56.1	51.3	48.6	47.3	47.3
35°	1186.4	741.3	117.0	85.0	69.7	56.9	49.4	45.9	44.3	43.0	43.0
37.5°	1233.7	704.2	99.4	77.2	61.2	49.7	43.5	41.4	40.1	38.7	38.7
40°	1281.8	657.5	90.3	70.0	54.2	44.1	38.7	36.9	35.5	34.5	34.2
42.5°	1340.8	603.5	84.4	63.3	48.1	39.0	34.2	32.1	31.0	29.9	29.4
45°	1409.2	557.0	79.6	56.6	43.0	34.7	29.7	27.5	25.9	24.6	24.3
47.5°	1507.8	523.3	73.2	49.4	38.2	30.2	25.6	23.2	20.8	19.5	19.2
50°	1633.6	495.6	64.9	43.0	33.4	25.6	21.4	18.4	16.3	15.0	15.0
52.5°	1696.1	459.2	57.4	37.4	28.1	21.6	17.4	13.9	12.8	11.5	11.5
55°	1721.2	431.4	50.0	31.8	23.2	17.9	13.6	10.7	9.9	9.1	8.8
57.5°	1791.8	423.4	43.5	27.0	19.2	14.2	10.4	8.0	7.5	6.4	6.4
60°	1905.3	427.4	37.7	23.0	15.5	11.0	7.7	6.1	5.6	4.5	4.5
62.5°	2027.9	422.4	31.8	19.8	12.0	8.0	5.3	4.5	4.5	2.7	2.4
65°	2051.4	376.1	27.2	16.3	9.4	5.9	3.5	2.9	4.0	0.5	0.0
67.5°	1904.0	291.7	23.5	12.6	6.9	4.5	2.7	1.3	3.5	0.0	0.0
70°	1522.5	185.4	19.0	9.1	5.3	3.7	2.1	0.5	2.7	0.0	0.0
72.5°	1076.6	107.7	15.0	6.4	4.5	2.9	1.6	0.0	1.6	0.0	0.0
75°	544.5	57.4	9.4	4.8	3.5	2.1	1.1	0.0	0.3	0.0	0.0
77.5°	117.8	26.7	5.9	3.5	2.4	1.3	0.5	0.0	0.0	0.0	0.0
80°	25.6	11.8	3.7	2.1	1.3	0.8	0.0	0.0	0.0	0.0	0.0
82.5°	9.4	6.1	1.9	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.1	3.2	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.7	1.1	0.3	0.3	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)