

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P674893

Luminaire Tested: **CCW-SA-1E-835-U-T2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674893
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-835-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
T2 distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5619.7 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
Input Voltage (V): 120
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: 25 FT

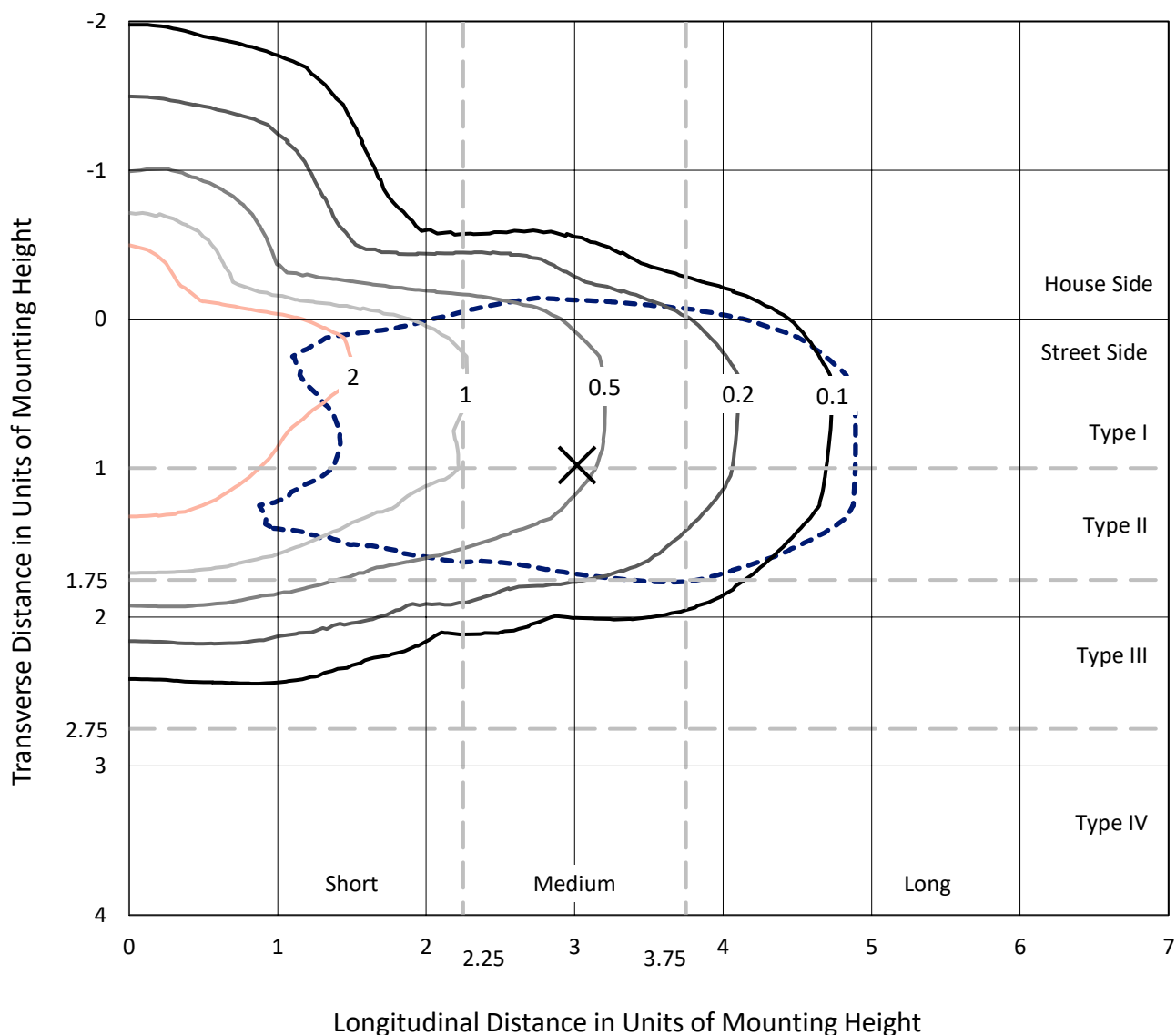
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

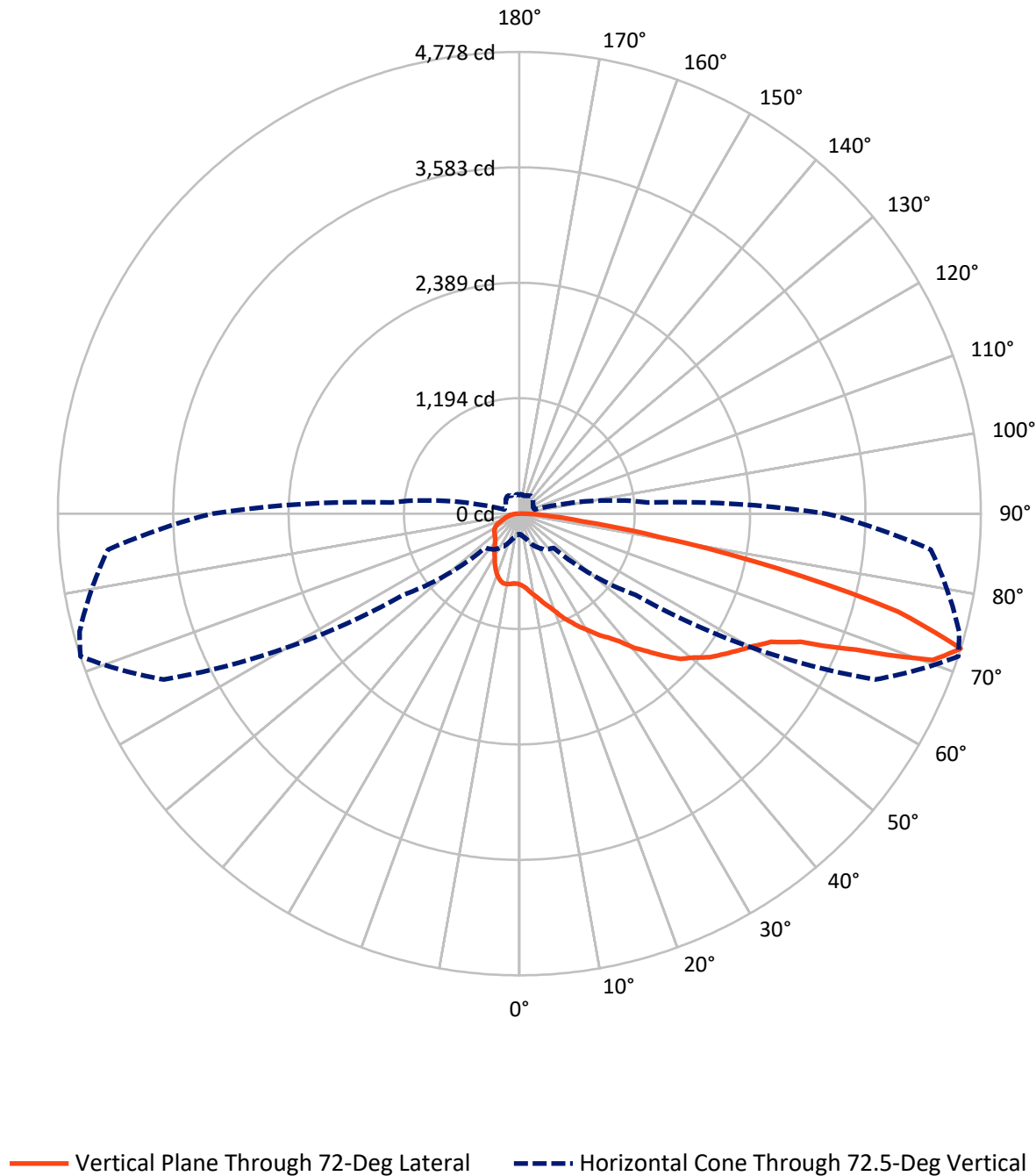
--- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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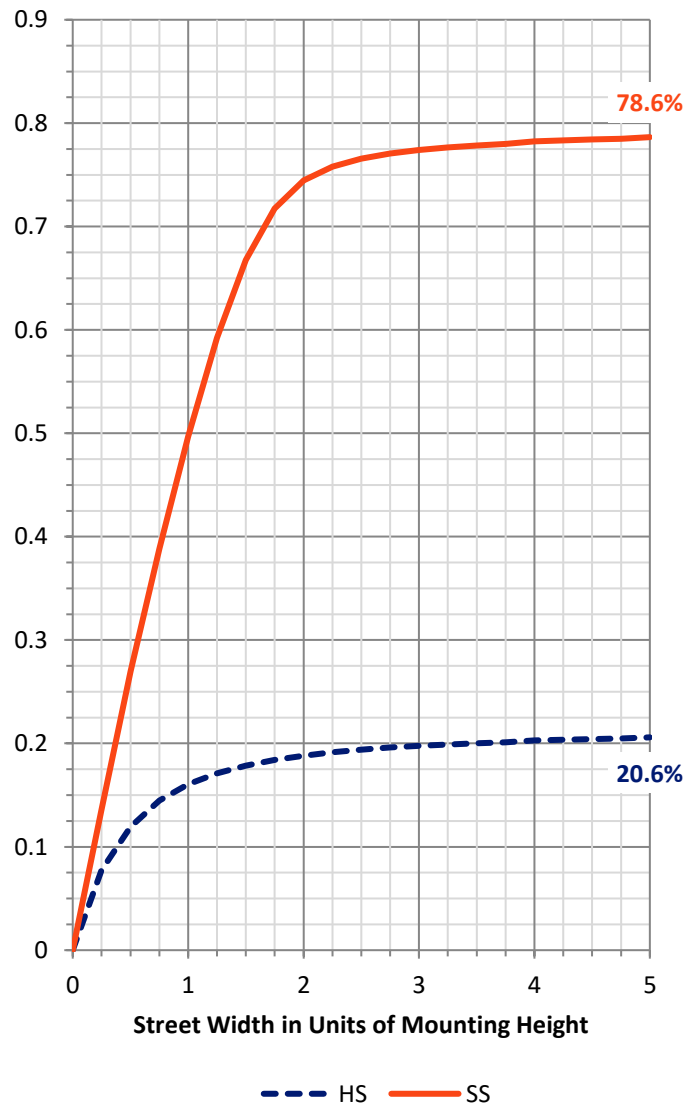
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1182.7	0.0	1182.7
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	4437.0	0.0	4437.0
	% Fixture	79.0	0.0	79.0
Total	Lumens	5619.7	0.0	5619.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.6	1.3
10°-20°	225.5	4.0
20°-30°	390.2	6.9
30°-40°	576.4	10.3
40°-50°	857.2	15.3
50°-60°	1175.1	20.9
60°-70°	1274.7	22.7
70°-80°	898.7	16.0
80°-90°	149.3	2.7
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°	5619.7	100.0
0°-180°	5619.7	100.0

Coefficient of Utilization



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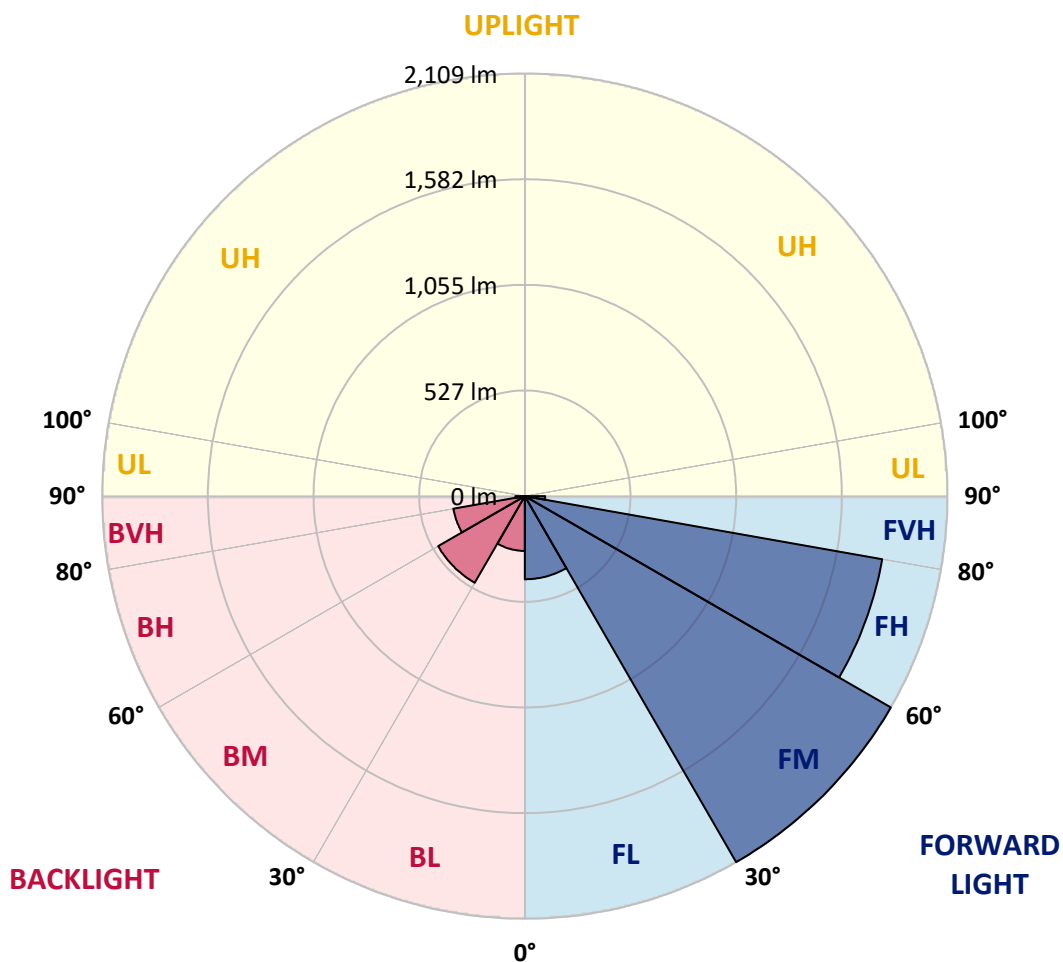
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	415.0	7.4			
FM	(30°-60°)	2109.2	37.5			
FH	(60°-80°)	1811.0	32.2			G2/5000
FVH	(80°-90°)	101.8	1.8			G2/225
BL	(0°-30°)	273.4	4.9	B1/500		
BM	(30°-60°)	499.5	8.9	B1/1000		
BH	(60°-80°)	362.3	6.4	B1/500		G1/500
BVH	(80°-90°)	47.5	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1
2.5°	792.1	792.1	785.9	783.9	783.9	767.3	769.3	759.0	750.7	750.7	742.4
5°	833.6	829.5	829.5	829.5	819.1	812.9	810.8	792.1	777.6	779.7	754.8
7.5°	844.0	846.1	848.1	858.5	852.3	856.4	852.3	831.5	821.2	810.8	788.0
10°	850.2	854.4	854.4	868.9	868.9	879.2	885.5	877.2	858.5	848.1	810.8
12.5°	864.7	858.5	866.8	877.2	887.5	906.2	924.9	916.6	904.1	891.7	850.2
15°	864.7	866.8	873.0	889.6	906.2	924.9	958.0	970.5	964.3	941.5	897.9
17.5°	839.8	833.6	862.7	893.8	924.9	947.7	991.2	1020.3	1016.1	1007.8	941.5
20°	841.9	848.1	858.5	885.5	935.2	976.7	1030.6	1078.3	1088.7	1084.5	999.5
22.5°	879.2	881.3	891.7	904.1	943.5	997.4	1078.3	1155.0	1173.7	1163.3	1063.8
25°	916.6	933.2	933.2	941.5	956.0	1012.0	1109.4	1217.3	1244.2	1246.3	1130.2
27.5°	976.7	980.9	993.3	997.4	1009.9	1043.1	1144.7	1262.9	1325.1	1316.8	1190.3
30°	1047.2	1049.3	1057.6	1053.4	1055.5	1097.0	1177.9	1314.7	1399.7	1401.8	1254.6
32.5°	1130.2	1146.7	1150.9	1123.9	1128.1	1138.5	1229.7	1376.9	1493.1	1478.5	1310.6
35°	1252.5	1258.7	1246.3	1233.8	1202.7	1196.5	1283.6	1439.1	1573.9	1590.5	1393.5
37.5°	1403.9	1420.5	1403.9	1337.5	1304.3	1279.5	1350.0	1507.6	1671.4	1727.4	1476.5
40°	1544.9	1542.8	1526.2	1466.1	1408.0	1389.4	1445.4	1603.0	1822.8	1876.7	1596.7
42.5°	1658.9	1652.7	1642.4	1596.7	1542.8	1511.7	1555.3	1702.5	1949.3	2052.9	1735.7
45°	1758.5	1750.2	1752.3	1700.4	1648.6	1665.2	1665.2	1816.5	2098.6	2227.1	1895.3
47.5°	1851.8	1855.9	1849.7	1810.3	1770.9	1814.5	1791.7	1947.2	2245.8	2388.9	2030.1
50°	1959.6	1967.9	1947.2	1922.3	1887.1	1930.6	1901.6	2069.5	2341.2	2536.1	2191.9
52.5°	2061.2	2069.5	2088.2	2057.1	2021.8	2057.1	1990.7	2183.6	2467.7	2679.2	2316.3
55°	2086.1	2082.0	2185.7	2218.8	2237.5	2131.7	2069.5	2281.1	2567.2	2770.4	2457.3
57.5°	1972.1	1982.4	2123.5	2218.8	2417.9	2326.7	2158.7	2395.1	2670.9	2890.7	2588.0
60°	1688.0	1694.2	1870.5	2096.5	2386.8	2509.2	2399.3	2542.3	2785.0	2992.3	2735.2
62.5°	1128.1	1175.8	1395.6	1750.2	2167.0	2558.9	2782.9	2791.2	2923.9	3120.9	2936.3
65°	595.1	618.0	790.1	1076.2	1642.4	2386.8	3143.7	3284.7	3201.8	3357.3	3226.7
67.5°	389.9	398.1	491.5	653.2	947.7	1741.9	3185.2	4141.1	3759.6	3807.3	3691.2
70°	290.3	294.5	362.9	483.2	586.9	931.1	2610.8	4541.4	4539.3	4412.8	4242.8
72.5°	213.6	219.8	267.5	369.1	452.1	501.8	1468.2	4062.3	4777.8	4713.5	4275.9
75°	168.0	172.1	197.0	286.2	365.0	329.7	744.5	3008.9	4052.0	4361.0	3913.0
77.5°	136.9	141.0	155.5	207.4	292.4	255.1	356.7	1941.0	2747.6	3139.6	2994.4
80°	114.1	114.1	124.4	147.2	226.0	192.9	211.5	1090.8	1480.6	1634.1	1358.3
82.5°	97.5	95.4	103.7	107.8	168.0	138.9	136.9	493.5	651.1	690.5	510.1
85°	62.2	64.3	97.5	93.3	109.9	95.4	76.7	234.3	306.9	313.1	190.8
87.5°	24.9	24.9	41.5	51.8	62.2	58.1	37.3	105.8	134.8	134.8	53.9
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°	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1	734.1
2.5°	740.3	732.0	725.8	721.6	711.3	700.9	703.0	700.9	692.6	688.5	688.5
5°	748.6	740.3	729.9	713.3	703.0	690.5	694.7	686.4	678.1	684.3	673.9
7.5°	769.3	754.8	740.3	715.4	698.8	680.2	671.9	667.7	661.5	657.4	657.4
10°	798.4	777.6	750.7	713.3	686.4	657.4	653.2	644.9	638.7	638.7	636.6
12.5°	827.4	804.6	759.0	698.8	653.2	632.5	630.4	632.5	636.6	638.7	640.8
15°	864.7	827.4	756.9	671.9	626.3	618.0	628.3	636.6	644.9	653.2	651.1
17.5°	900.0	856.4	738.2	638.7	603.4	605.5	624.2	640.8	657.4	665.7	667.7
20°	947.7	883.4	711.3	599.3	580.6	599.3	624.2	644.9	663.6	673.9	676.0
22.5°	1001.6	914.5	676.0	564.0	562.0	580.6	605.5	636.6	657.4	676.0	673.9
25°	1049.3	935.2	630.4	535.0	539.2	551.6	580.6	613.8	634.5	655.3	649.1
27.5°	1080.4	939.4	582.7	514.3	514.3	526.7	553.7	574.4	593.1	609.7	611.7
30°	1115.6	931.1	528.8	487.3	487.3	503.9	514.3	526.7	537.1	541.2	545.4
32.5°	1157.1	912.4	495.6	466.6	466.6	479.0	485.2	481.1	479.0	468.7	474.9
35°	1196.5	885.5	458.3	439.6	447.9	454.1	452.1	439.6	427.2	408.5	402.3
37.5°	1244.2	858.5	425.1	410.6	425.1	427.2	427.2	412.7	396.1	373.3	373.3
40°	1316.8	837.8	398.1	391.9	406.4	404.4	394.0	383.6	389.9	377.4	377.4
42.5°	1393.5	829.5	373.3	375.3	381.6	383.6	373.3	360.8	385.7	371.2	373.3
45°	1488.9	835.7	356.7	354.6	369.1	367.0	360.8	350.5	358.7	321.4	311.1
47.5°	1578.1	848.1	348.4	340.1	356.7	360.8	352.5	329.7	317.3	294.5	290.3
50°	1658.9	875.1	340.1	323.5	340.1	348.4	333.9	309.0	294.5	279.9	279.9
52.5°	1735.7	914.5	335.9	304.8	319.3	329.7	321.4	296.5	279.9	273.7	267.5
55°	1814.5	949.7	329.7	292.4	296.5	317.3	315.2	282.0	265.4	265.4	263.4
57.5°	1926.5	997.4	321.4	271.7	279.9	302.8	302.8	275.8	257.1	259.2	261.3
60°	2040.5	1053.4	313.1	250.9	257.1	288.2	292.4	267.5	250.9	253.0	250.9
62.5°	2223.0	1157.1	296.5	226.0	238.5	269.6	279.9	257.1	242.6	246.8	246.8
65°	2498.8	1335.5	261.3	205.3	219.8	253.0	267.5	246.8	230.2	242.6	238.5
67.5°	2942.6	1580.1	219.8	188.7	207.4	236.4	253.0	234.3	219.8	238.5	232.3
70°	3340.7	1700.4	188.7	174.2	188.7	217.7	236.4	221.9	207.4	226.0	217.7
72.5°	3179.0	1333.4	163.8	157.6	172.1	197.0	219.8	205.3	190.8	201.1	192.9
75°	2743.5	1061.7	143.1	141.0	153.5	178.3	201.1	190.8	176.3	180.4	176.3
77.5°	2079.9	877.2	122.3	120.3	130.6	159.7	180.4	172.1	157.6	155.5	155.5
80°	929.0	431.3	101.6	101.6	107.8	136.9	153.5	149.3	134.8	132.7	130.6
82.5°	304.8	163.8	82.9	78.8	87.1	114.1	136.9	132.7	118.2	114.1	109.9
85°	122.3	78.8	60.1	60.1	68.4	95.4	122.3	114.1	95.4	85.0	85.0
87.5°	41.5	33.2	31.1	31.1	43.5	64.3	91.2	76.7	68.4	60.1	62.2
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)