

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: STREETWORKS

Report Number: P691293

Luminaire Tested: **CRTK2-C015-D-U-T2-7030-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-D-U-T2-7030-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3778 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 29.9
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: 24 FT



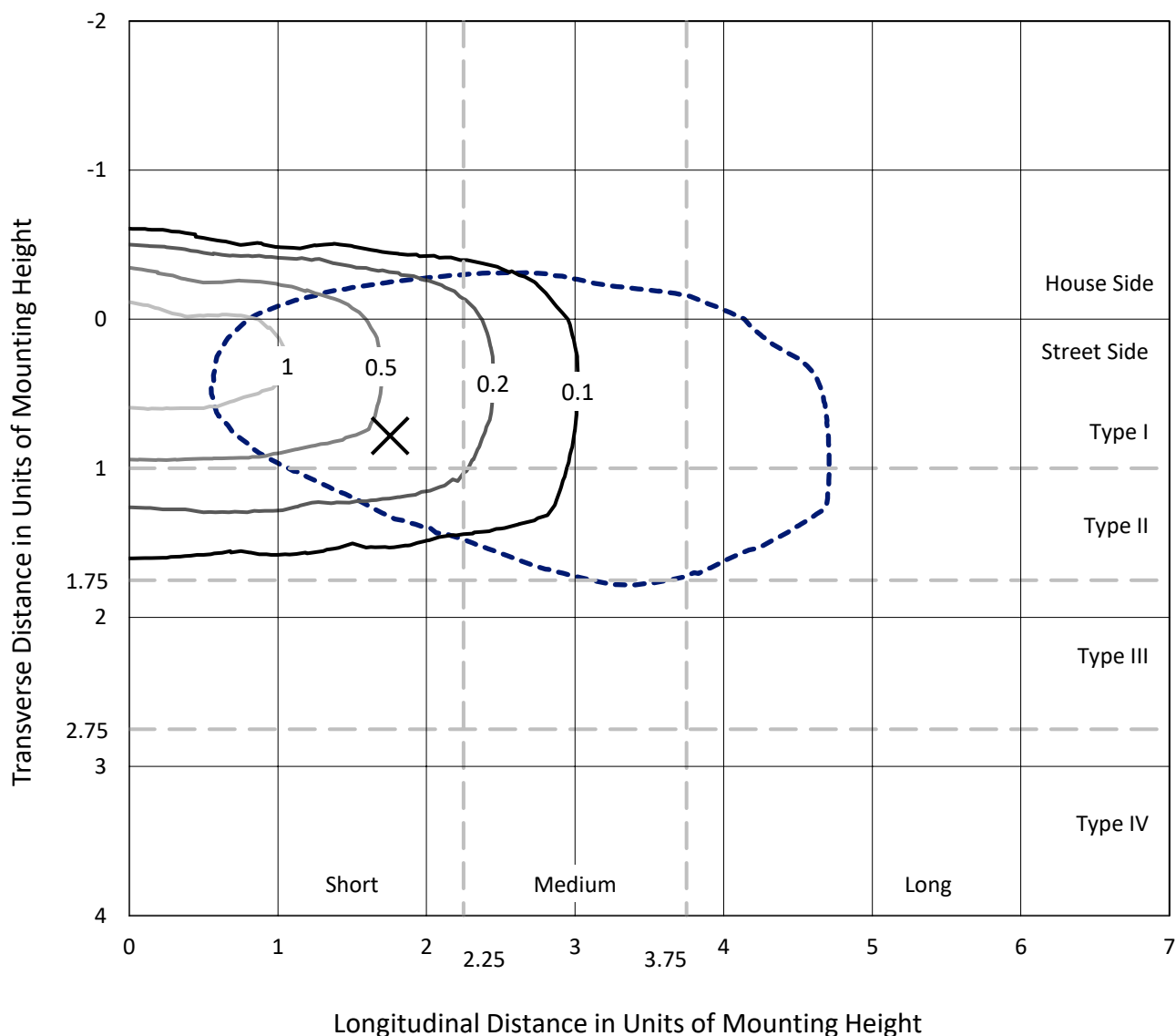
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



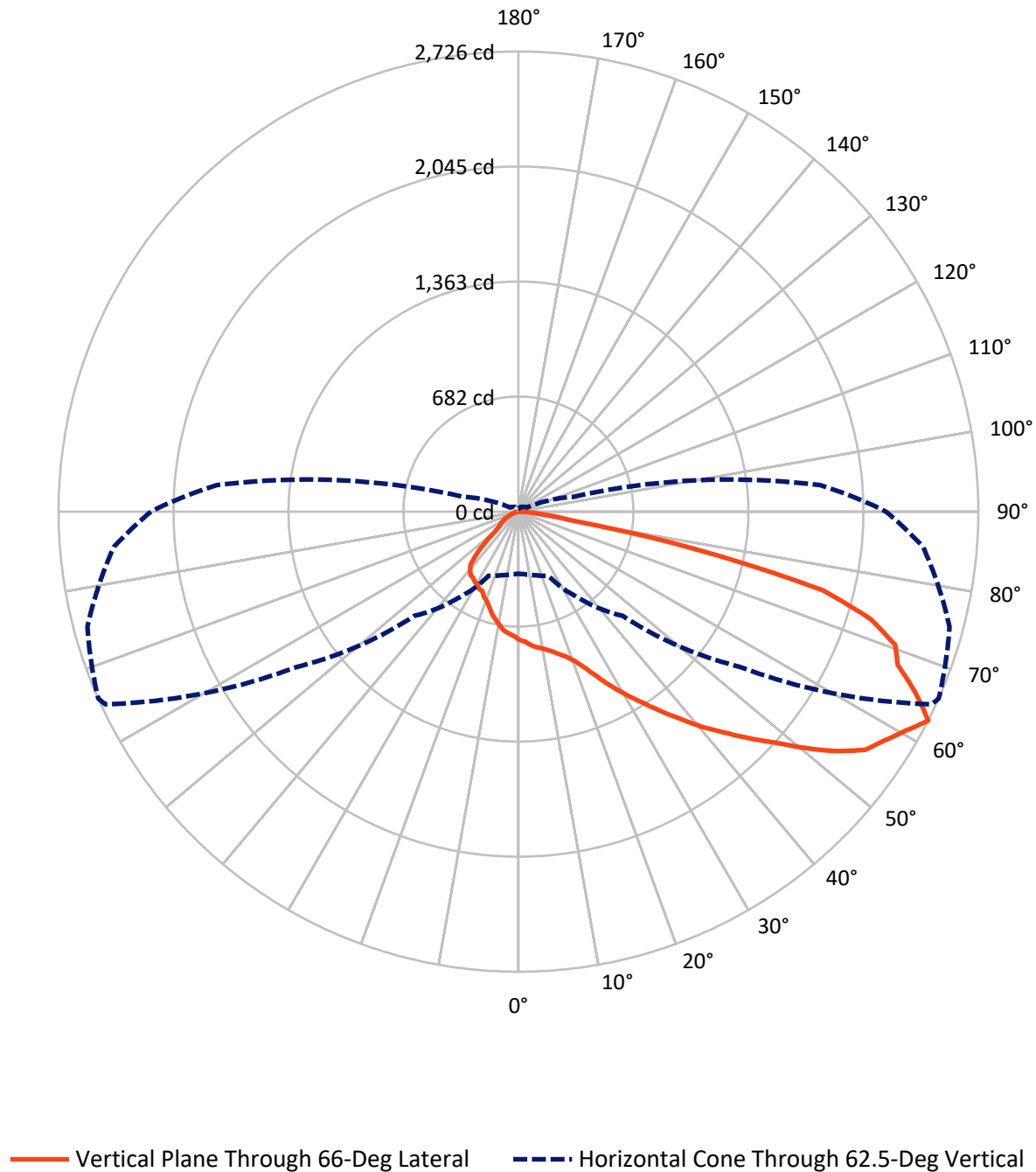
Based on 25 foot mounting height. Maximum calculated value = 1.4 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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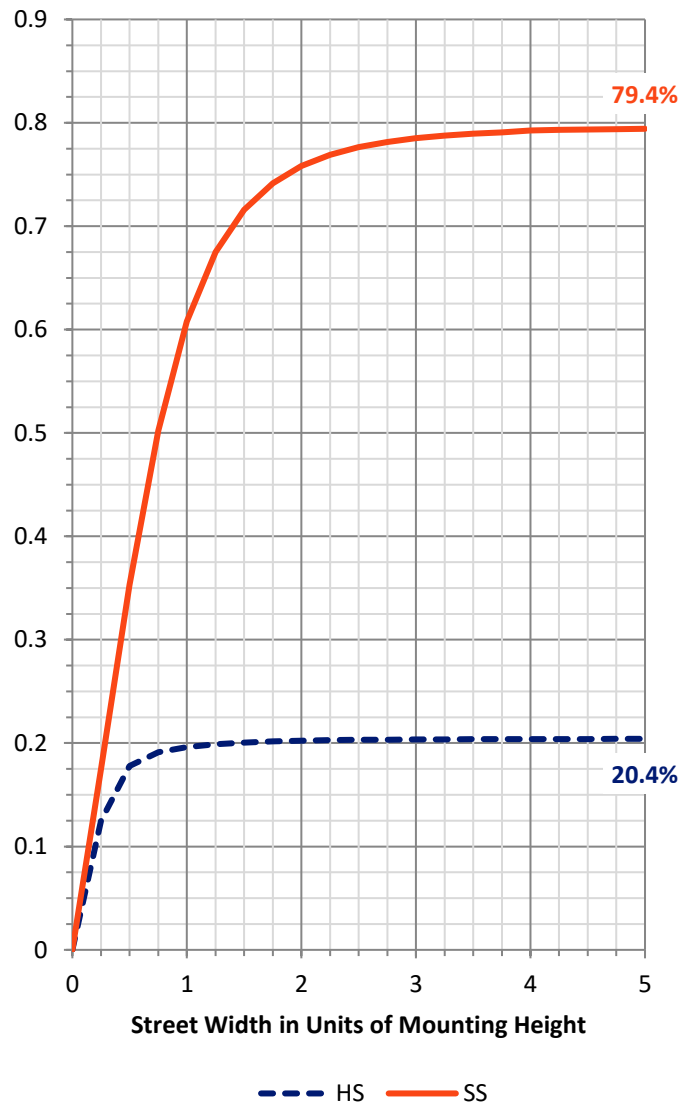
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	780.4	0.0	780.4
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	2997.6	0.0	2997.6
	% Fixture	79.3	0.0	79.3
Total	Lumens	3778.0	0.0	3778.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.8	1.9
10°-20°	204.5	5.4
20°-30°	335.5	8.9
30°-40°	493.7	13.1
40°-50°	651.1	17.2
50°-60°	757.9	20.1
60°-70°	753.1	19.9
70°-80°	465.9	12.3
80°-90°	44.5	1.2
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°	3778.0	100.0
0°-180°	3778.0	100.0

Coefficient of Utilization



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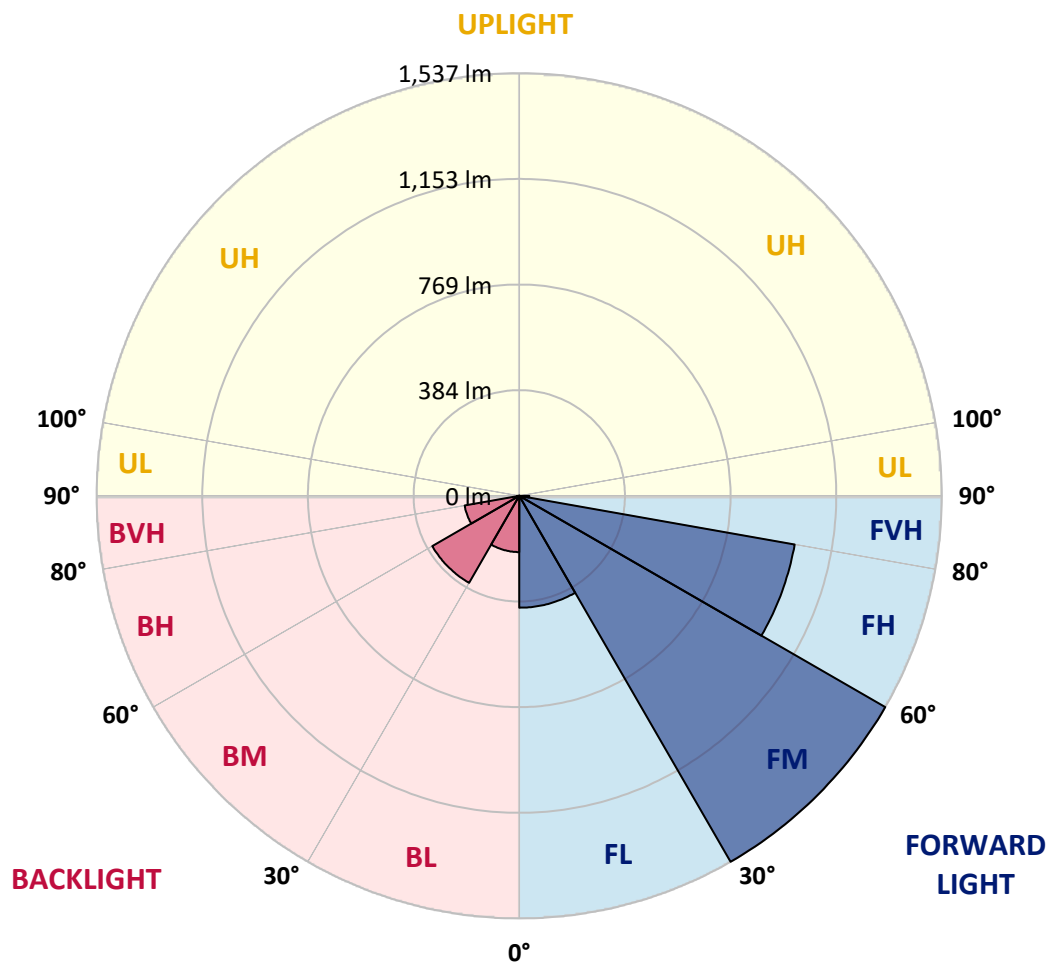
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	407.1	10.8			
FM	(30°-60°)	1537.2	40.7			
FH	(60°-80°)	1017.3	26.9			G1/1800
FVH	(80°-90°)	36.0	1.0			G1/100
BL	(0°-30°)	204.7	5.4	B1/500		
BM	(30°-60°)	365.4	9.7	B1/1000		
BH	(60°-80°)	201.8	5.3	B1/500		G1/500
BVH	(80°-90°)	8.6	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3
2.5°	803.0	803.0	801.6	791.6	787.3	781.6	777.3	773.1	771.7	767.4	760.3
5°	850.0	848.5	848.5	840.0	831.5	820.1	808.7	797.3	795.9	784.5	768.8
7.5°	877.0	877.0	874.2	868.5	862.8	855.7	838.6	814.4	812.9	797.3	775.9
10°	884.1	885.6	891.2	877.0	872.7	865.6	857.1	831.5	827.2	804.4	770.2
12.5°	909.8	909.8	908.3	895.5	891.2	885.6	871.3	851.4	847.1	818.6	771.7
15°	941.1	942.5	938.2	926.8	921.1	914.0	895.5	874.2	872.7	835.7	783.0
17.5°	956.7	956.7	959.6	943.9	945.3	942.5	934.0	904.1	902.6	868.5	803.0
20°	962.4	963.9	965.3	965.3	966.7	963.9	972.4	946.8	942.5	904.1	830.0
22.5°	988.1	990.9	998.0	993.8	1000.9	1005.1	1008.0	1009.4	1003.7	963.9	875.6
25°	999.4	1006.6	1016.5	1032.2	1043.6	1052.1	1073.5	1083.4	1082.0	1047.9	951.0
27.5°	982.4	990.9	1025.1	1052.1	1092.0	1114.8	1154.6	1167.4	1171.7	1140.4	1032.2
30°	1005.1	1008.0	1023.7	1057.8	1107.7	1176.0	1230.1	1258.6	1258.6	1234.4	1111.9
32.5°	969.6	978.1	1023.7	1086.3	1163.2	1237.2	1288.5	1349.7	1349.7	1338.3	1225.8
35°	965.3	969.6	996.6	1066.4	1164.6	1299.9	1368.2	1440.8	1450.8	1452.2	1338.3
37.5°	925.4	934.0	982.4	1072.1	1207.3	1338.3	1433.7	1546.2	1557.5	1573.2	1432.3
40°	881.3	884.1	926.8	1020.8	1197.3	1388.1	1496.3	1664.3	1677.1	1698.5	1557.5
42.5°	815.8	827.2	898.4	1000.9	1193.1	1403.8	1566.1	1775.4	1789.6	1819.5	1661.5
45°	757.4	761.7	814.4	928.3	1146.1	1426.6	1620.2	1906.4	1914.9	1933.4	1748.3
47.5°	710.4	713.3	766.0	864.2	1102.0	1420.9	1672.9	2024.5	2044.5	2072.9	1850.8
50°	569.5	585.1	716.1	811.5	1025.1	1410.9	1714.2	2172.6	2202.5	2213.9	1969.0
52.5°	485.5	488.3	556.7	758.8	945.3	1368.2	1754.0	2323.5	2357.7	2326.4	2111.4
55°	449.9	452.7	484.1	653.5	878.4	1285.6	1783.9	2468.7	2492.9	2416.0	2218.2
57.5°	427.1	432.8	447.0	531.0	798.7	1147.5	1789.6	2548.5	2558.4	2487.2	2272.3
60°	395.8	395.8	424.3	464.1	711.9	999.4	1742.6	2588.3	2636.7	2568.4	2371.9
62.5°	368.7	371.6	390.1	420.0	626.4	874.2	1604.5	2702.2	2726.4	2645.3	2407.5
65°	337.4	340.3	357.4	387.3	569.5	804.4	1530.5	2656.7	2585.5	2625.3	2451.6
67.5°	301.8	303.3	320.3	347.4	478.4	741.8	1352.5	2483.0	2424.6	2531.4	2329.2
70°	266.2	266.2	280.5	301.8	390.1	650.6	1117.6	2324.9	2369.1	2374.8	2208.2
72.5°	222.1	223.5	237.8	256.3	313.2	543.9	884.1	2166.9	2186.8	2111.4	1942.0
75°	159.5	165.2	180.8	199.3	247.7	431.4	627.9	1761.1	1865.1	1998.9	1668.6
77.5°	24.2	24.2	29.9	45.6	81.2	216.4	290.4	972.4	1079.2	1672.9	1457.9
80°	19.9	19.9	21.4	29.9	47.0	121.0	94.0	304.7	327.5	768.8	821.5
82.5°	10.0	10.0	15.7	21.4	28.5	35.6	39.9	146.6	169.4	262.0	327.5
85°	5.7	5.7	7.1	10.0	11.4	11.4	12.8	69.8	72.6	142.4	148.1
87.5°	1.4	1.4	2.8	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4
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°	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3
2.5°	757.4	753.1	744.6	737.5	733.2	724.7	717.6	711.9	709.0	716.1	717.6
5°	758.8	748.9	733.2	723.2	711.9	697.6	680.5	670.6	666.3	667.7	672.0
7.5°	761.7	747.5	728.9	707.6	677.7	649.2	629.3	617.9	612.2	619.3	619.3
10°	753.1	737.5	711.9	679.1	640.7	612.2	589.4	569.5	562.4	565.2	566.6
12.5°	753.1	731.8	689.1	649.2	613.6	566.6	532.5	514.0	506.8	508.3	511.1
15°	757.4	728.9	669.1	620.7	568.1	518.2	488.3	465.6	458.4	451.3	454.2
17.5°	771.7	724.7	659.2	582.3	523.9	476.9	435.7	410.0	404.3	404.3	405.8
20°	785.9	730.4	642.1	553.8	484.1	425.7	383.0	364.5	351.7	346.0	351.7
22.5°	815.8	750.3	630.7	535.3	442.8	387.3	347.4	306.1	283.3	273.4	276.2
25°	869.9	785.9	639.2	502.6	420.0	351.7	296.1	246.3	215.0	205.0	207.9
27.5°	953.9	844.3	649.2	499.7	378.7	316.1	240.6	186.5	162.3	152.3	155.2
30°	1036.5	924.0	682.0	471.3	363.0	259.1	182.2	143.8	119.6	109.6	112.5
32.5°	1107.7	1000.9	723.2	464.1	321.8	195.0	136.7	106.8	88.3	79.7	81.2
35°	1213.0	1066.4	758.8	442.8	273.4	146.6	99.7	76.9	66.9	64.1	64.1
37.5°	1307.0	1143.2	793.0	435.7	205.0	109.6	71.2	62.6	61.2	56.9	56.9
40°	1405.2	1224.4	808.7	410.0	149.5	76.9	58.4	58.4	56.9	52.7	52.7
42.5°	1520.5	1307.0	822.9	380.1	106.8	58.4	54.1	55.5	54.1	49.8	48.4
45°	1603.1	1358.2	827.2	304.7	74.0	55.5	51.3	52.7	51.3	48.4	47.0
47.5°	1678.6	1432.3	808.7	213.6	59.8	52.7	49.8	49.8	49.8	45.6	44.1
50°	1756.9	1493.5	793.0	115.3	58.4	51.3	47.0	45.6	47.0	44.1	42.7
52.5°	1860.8	1540.5	751.7	78.3	56.9	49.8	45.6	42.7	44.1	41.3	42.7
55°	1998.9	1664.3	676.3	74.0	56.9	48.4	44.1	39.9	39.9	38.4	38.4
57.5°	2061.5	1711.3	555.2	71.2	55.5	48.4	41.3	37.0	34.2	32.7	31.3
60°	2138.4	1779.6	428.5	65.5	51.3	45.6	37.0	32.7	28.5	27.1	27.1
62.5°	2178.3	1795.3	338.8	58.4	47.0	39.9	32.7	27.1	22.8	19.9	19.9
65°	2201.1	1786.8	236.3	52.7	41.3	35.6	28.5	22.8	17.1	15.7	14.2
67.5°	2124.2	1735.5	138.1	45.6	35.6	31.3	24.2	18.5	14.2	12.8	11.4
70°	1970.4	1578.9	86.8	39.9	31.3	27.1	21.4	15.7	11.4	10.0	10.0
72.5°	1805.3	1272.8	59.8	31.3	24.2	21.4	15.7	12.8	10.0	7.1	7.1
75°	1624.5	1104.8	44.1	22.8	17.1	15.7	12.8	10.0	8.5	5.7	5.7
77.5°	1151.8	731.8	35.6	17.1	11.4	10.0	8.5	7.1	5.7	5.7	4.3
80°	680.5	357.4	27.1	11.4	8.5	7.1	5.7	5.7	4.3	4.3	4.3
82.5°	254.8	136.7	18.5	8.5	5.7	5.7	4.3	4.3	2.8	2.8	2.8
85°	92.5	34.2	8.5	4.3	4.3	2.8	2.8	2.8	2.8	2.8	2.8
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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)