

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: McGRAW-EDISON

Report Number: P1211941

Luminaire Tested: **GKO-PB2A-850-U-T2R**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211941
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2A-850-U-T2R
Description: GEKKO WALL PACK 4000LM PACKAGE 80CRI 5000K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (20) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

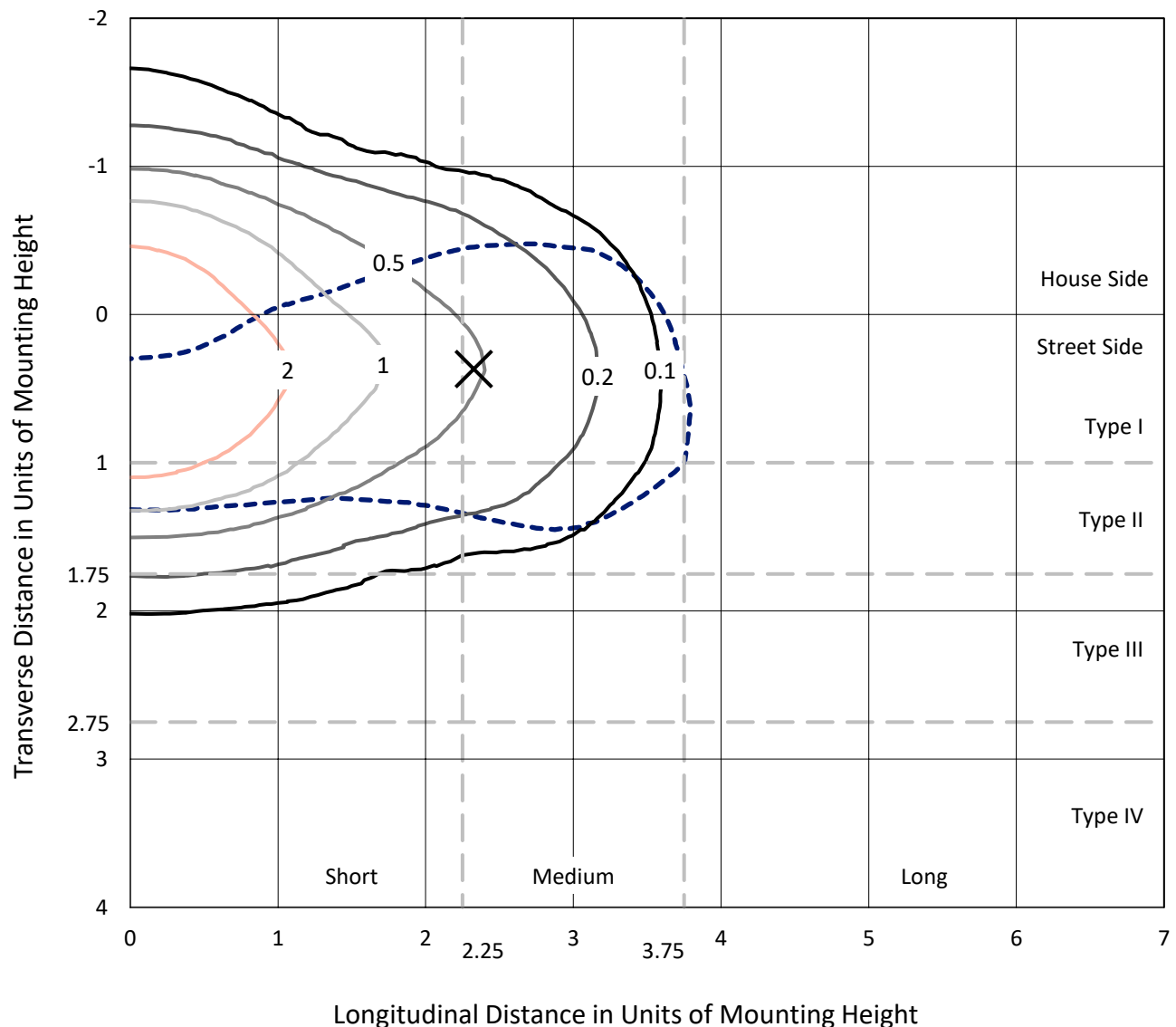
Lumens per Lamp: N/A
Luminaire Lumens: 3922.2 lumens
Efficiency: N/A
Efficacy: 148.0 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 26.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 12%
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

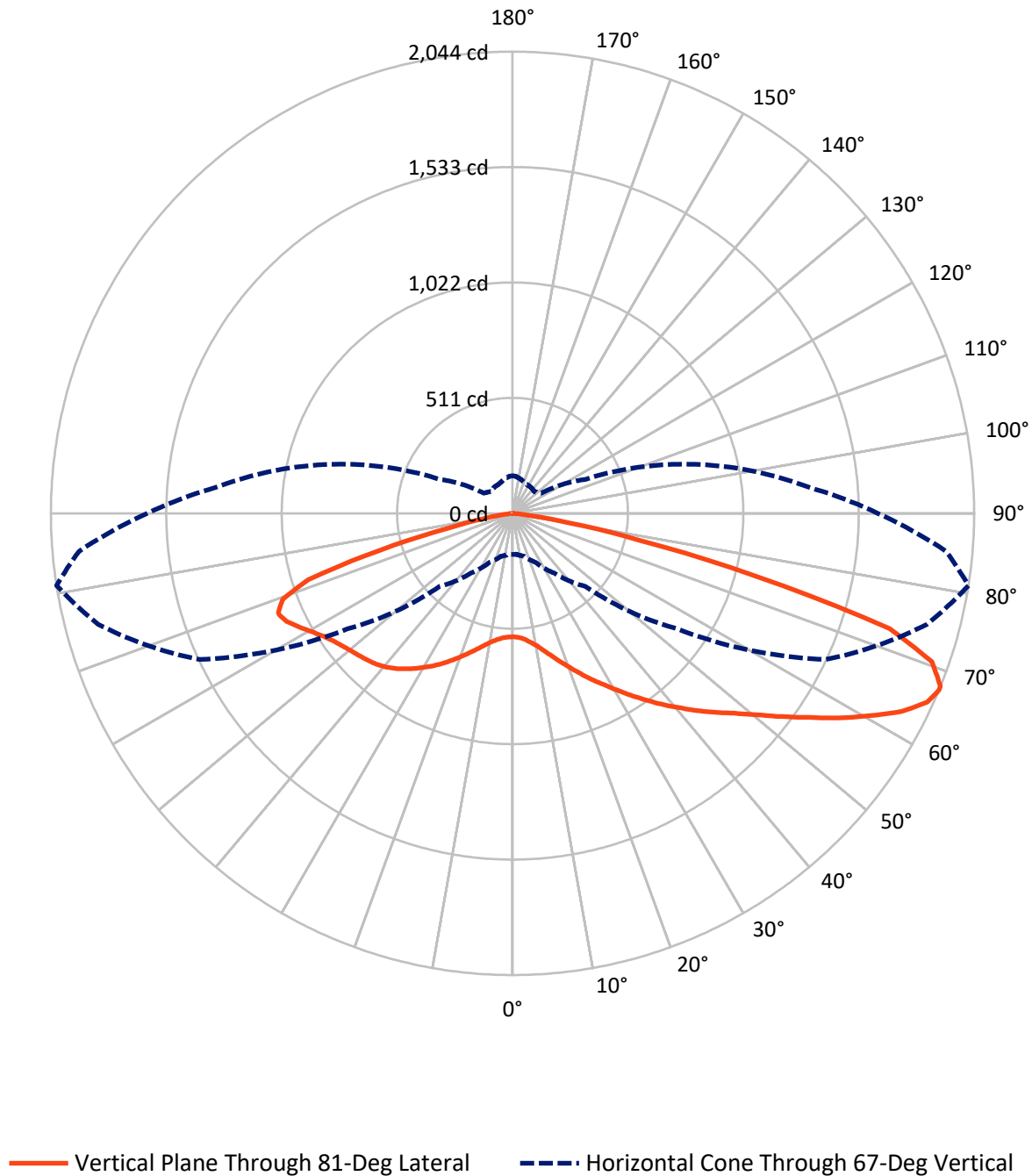
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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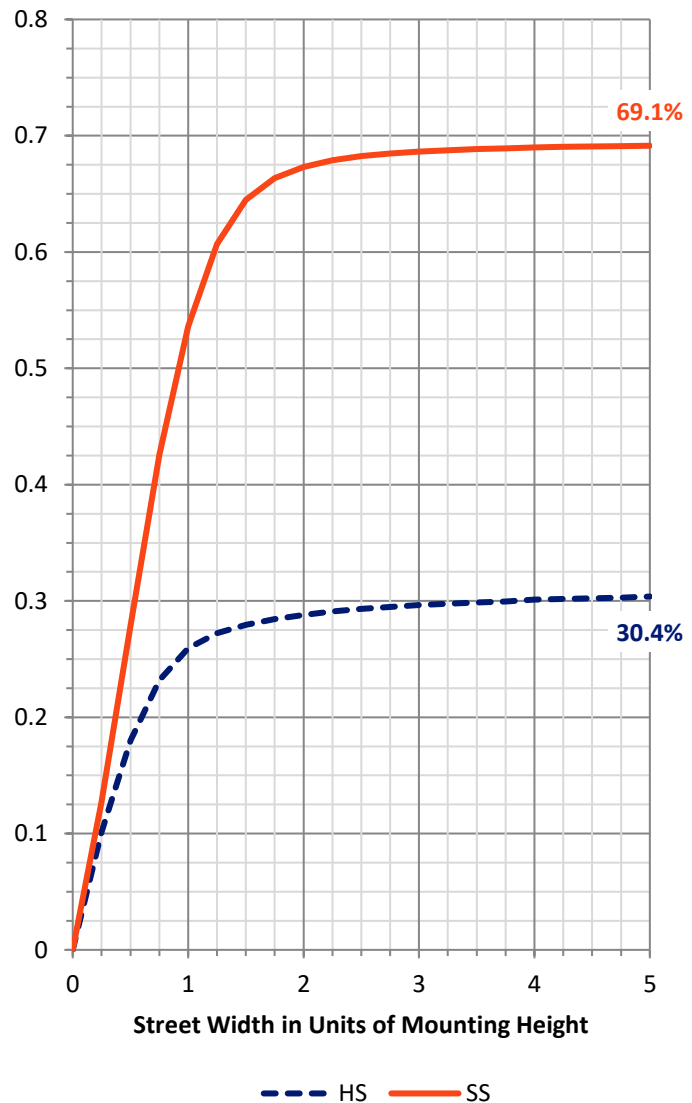
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1211.2	0.0	1211.2
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	2711.1	0.0	2711.1
	% Fixture	69.1	0.0	69.1
Total	Lumens	3922.2	0.0	3922.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.6	1.4
10°-20°	204.9	5.2
20°-30°	415.0	10.6
30°-40°	654.4	16.7
40°-50°	803.6	20.5
50°-60°	767.7	19.6
60°-70°	643.8	16.4
70°-80°	341.0	8.7
80°-90°	35.2	0.9
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°	3922.2	100.0
0°-180°	3922.2	100.0



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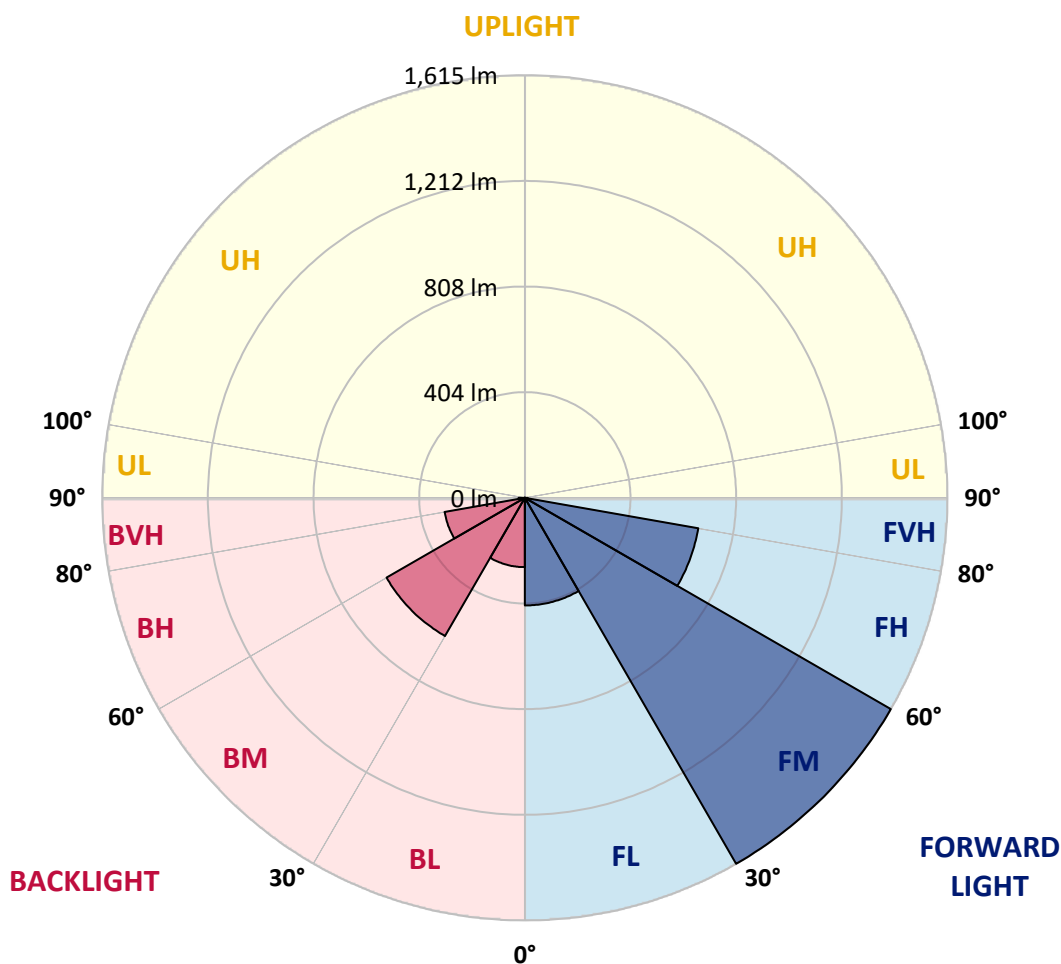
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	411.4	10.5			
FM	(30°-60°)	1615.4	41.2			
FH	(60°-80°)	673.3	17.2			G1/1800
FVH	(80°-90°)	11.0	0.3			G1/100
BL	(0°-30°)	265.0	6.8	B1/500		
BM	(30°-60°)	610.3	15.6	B1/1000		
BH	(60°-80°)	311.6	7.9	B1/500		G1/500
BVH	(80°-90°)	24.3	0.6			G1/100
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4
2.5°	577.9	579.4	576.4	575.6	572.6	568.1	562.9	559.1	553.1	550.1	548.6
5°	632.7	629.7	627.4	623.7	613.2	604.1	589.1	578.6	567.4	559.9	557.6
7.5°	699.5	701.0	693.5	683.7	668.7	650.7	626.7	607.1	586.1	576.4	571.9
10°	772.3	778.3	770.8	758.7	730.2	703.2	673.9	640.2	611.7	596.6	590.6
12.5°	860.8	864.6	854.8	839.1	804.5	764.0	722.7	680.7	643.2	624.4	613.9
15°	959.9	956.9	947.1	923.9	879.6	834.5	778.3	723.5	679.2	655.9	640.9
17.5°	1061.9	1058.2	1045.4	1015.4	965.1	908.8	842.1	773.0	717.5	692.0	671.7
20°	1159.5	1155.8	1146.8	1113.0	1052.2	983.1	905.1	830.0	761.0	729.5	707.0
22.5°	1267.6	1264.6	1250.3	1209.0	1143.8	1068.0	977.1	887.8	808.3	770.8	743.7
25°	1384.7	1385.4	1369.6	1311.9	1238.3	1149.8	1054.4	953.1	861.6	814.3	783.5
27.5°	1521.2	1520.5	1493.5	1431.2	1338.9	1236.8	1131.0	1021.4	914.1	858.6	823.3
30°	1645.1	1642.1	1612.1	1549.8	1443.2	1328.4	1212.0	1087.5	973.4	907.3	864.6
32.5°	1736.6	1737.4	1712.6	1644.3	1540.0	1417.7	1287.8	1161.8	1030.4	959.9	912.6
35°	1802.7	1803.4	1779.4	1720.9	1623.3	1501.0	1368.1	1231.6	1094.2	1013.9	962.9
37.5°	1823.7	1823.7	1807.9	1762.2	1682.6	1576.0	1446.9	1311.1	1158.0	1072.5	1013.9
40°	1795.2	1797.4	1796.7	1766.7	1711.9	1627.8	1519.7	1387.7	1229.3	1130.2	1065.7
42.5°	1730.6	1732.1	1734.4	1723.1	1705.9	1655.6	1578.3	1465.7	1300.6	1193.3	1116.7
45°	1624.1	1630.1	1641.3	1645.8	1652.6	1648.8	1614.3	1538.5	1380.2	1256.3	1167.0
47.5°	1489.0	1498.7	1513.7	1540.8	1578.3	1608.3	1623.3	1594.8	1457.5	1321.6	1223.3
50°	1301.4	1311.9	1352.4	1408.7	1483.0	1541.5	1598.5	1636.8	1543.8	1401.2	1286.3
52.5°	1041.7	1064.2	1132.5	1240.6	1368.1	1455.2	1546.0	1657.1	1631.6	1495.0	1361.4
55°	792.5	800.8	888.6	1018.4	1215.0	1362.1	1474.0	1646.6	1714.1	1593.3	1446.9
57.5°	553.9	562.9	639.4	781.3	998.9	1240.6	1401.9	1611.3	1789.2	1708.9	1545.3
60°	393.3	403.0	460.1	565.1	776.0	1063.4	1335.1	1566.3	1854.5	1818.4	1658.6
62.5°	285.9	291.2	321.2	409.8	560.6	831.5	1239.8	1537.0	1900.2	1932.5	1774.9
65°	219.1	224.4	241.7	297.2	414.3	607.9	1068.7	1536.3	1912.3	2016.6	1875.5
67°	182.4	181.6	196.6	238.7	323.5	457.0	892.3	1530.3	1898.7	2043.6	1926.5
67.5°	172.6	175.6	187.6	222.9	305.5	421.0	854.1	1520.5	1894.2	2042.8	1930.3
70°	137.3	138.1	148.6	176.4	229.7	305.5	614.7	1424.4	1825.9	1969.3	1888.2
72.5°	100.6	99.8	115.6	133.6	175.6	222.1	412.0	1196.3	1678.1	1744.9	1678.9
75°	74.3	73.5	81.8	102.1	125.3	165.9	267.2	780.5	1136.2	1110.0	1025.2
77.5°	49.5	51.0	58.5	75.0	89.3	102.8	133.6	359.5	625.9	565.9	544.9
80°	30.0	27.8	33.0	42.8	51.8	52.5	57.0	155.4	268.7	255.9	240.2
82.5°	10.5	10.5	12.8	17.3	17.3	17.3	21.0	37.5	53.3	48.8	46.5
85°	0.0	0.0	0.0	0.0	1.5	2.3	1.5	3.0	5.3	6.0	6.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.5	2.3	3.0	3.0
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°	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4	546.4
2.5°	548.6	548.6	546.4	543.4	541.9	541.1	538.9	535.9	538.1	540.4	540.4
5°	556.1	554.6	550.1	547.1	544.9	544.9	541.9	541.1	543.4	545.6	544.9
7.5°	568.1	565.1	559.9	555.4	556.1	556.9	552.4	552.4	554.6	556.9	556.9
10°	584.6	579.4	574.1	570.4	571.1	571.9	567.4	565.9	568.1	570.4	571.9
12.5°	605.6	598.9	592.9	589.1	588.4	589.1	584.6	583.1	583.1	584.6	584.6
15°	630.4	622.9	615.4	610.2	608.6	607.9	601.9	596.6	596.6	597.4	597.4
17.5°	658.9	648.4	638.7	632.7	628.9	623.7	616.9	609.4	607.1	607.9	607.9
20°	687.5	676.2	663.4	655.2	647.7	638.7	628.2	618.4	613.9	613.9	613.2
22.5°	720.5	705.5	688.2	676.9	663.4	648.4	633.4	620.7	616.2	614.7	614.7
25°	754.2	737.0	712.2	695.0	675.4	653.7	634.2	616.9	609.4	606.4	606.4
27.5°	788.8	768.5	736.2	711.5	682.9	652.9	626.7	604.9	594.4	590.6	589.1
30°	827.8	798.5	757.2	723.5	684.4	646.2	612.4	586.9	571.1	562.1	562.9
32.5°	868.3	831.5	776.8	731.0	682.2	633.4	590.6	558.4	538.1	529.8	526.8
35°	909.6	863.1	794.0	734.7	674.7	613.9	562.9	526.8	504.3	492.3	492.3
37.5°	951.6	896.1	806.0	734.0	661.2	588.4	530.6	492.3	466.1	451.0	447.3
40°	992.9	926.9	815.0	728.0	640.9	557.6	496.1	454.8	419.5	400.0	397.0
42.5°	1033.4	952.4	819.5	718.2	616.9	523.8	457.0	401.5	367.7	349.7	349.0
45°	1070.2	972.6	820.3	705.5	585.4	485.6	404.5	351.2	317.5	298.7	298.7
47.5°	1106.2	995.2	819.5	689.0	550.9	436.0	349.0	297.2	266.4	254.4	250.7
50°	1149.8	1017.7	818.8	668.7	506.6	376.7	294.9	250.7	224.4	212.4	212.4
52.5°	1194.0	1043.9	820.3	640.2	454.0	319.0	246.9	207.9	190.6	183.1	182.4
55°	1251.1	1071.7	824.0	606.4	399.3	262.7	205.6	179.4	167.4	163.6	164.4
57.5°	1320.1	1110.0	831.5	566.6	335.5	215.4	176.4	162.1	159.1	160.6	161.4
60°	1398.9	1157.3	842.1	521.6	279.2	179.4	159.1	156.1	159.1	165.1	165.9
62.5°	1490.5	1214.3	855.6	471.3	223.6	157.6	151.6	153.9	156.1	165.9	166.6
65°	1571.5	1275.8	858.6	412.0	181.6	143.3	147.1	148.6	154.6	165.9	166.6
67°	1617.3	1317.9	838.3	355.7	155.4	135.8	141.1	142.6	153.1	164.4	165.9
67.5°	1622.6	1326.9	824.8	341.5	150.1	134.3	139.6	142.6	153.1	164.4	165.1
70°	1606.8	1320.9	734.7	257.4	123.8	123.8	129.8	136.6	147.1	159.1	164.4
72.5°	1466.5	1204.5	568.9	174.9	105.1	111.8	120.8	130.6	140.3	154.6	163.6
75°	926.9	775.3	348.2	117.1	87.8	99.8	114.1	125.3	133.6	144.1	150.1
77.5°	495.3	383.5	150.1	69.0	69.0	88.6	105.8	116.3	120.8	124.6	128.3
80°	234.2	178.6	72.8	41.3	48.0	69.0	93.8	105.1	106.6	111.1	112.6
82.5°	46.5	40.5	24.0	21.8	31.5	49.5	78.1	90.8	91.6	99.1	100.6
85°	6.0	5.3	3.8	8.3	20.3	36.8	60.0	78.1	79.6	79.6	78.1
87.5°	3.0	2.3	2.3	6.0	15.0	27.8	49.5	65.3	66.0	51.8	50.3
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)