

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: P1211921

Luminaire Tested: **GKO-PB2A-835-U-T2R**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211921
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2A-835-U-T2R
Description: GEKKO WALL PACK 4000LM PACKAGE 80CRI 3500K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (20) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

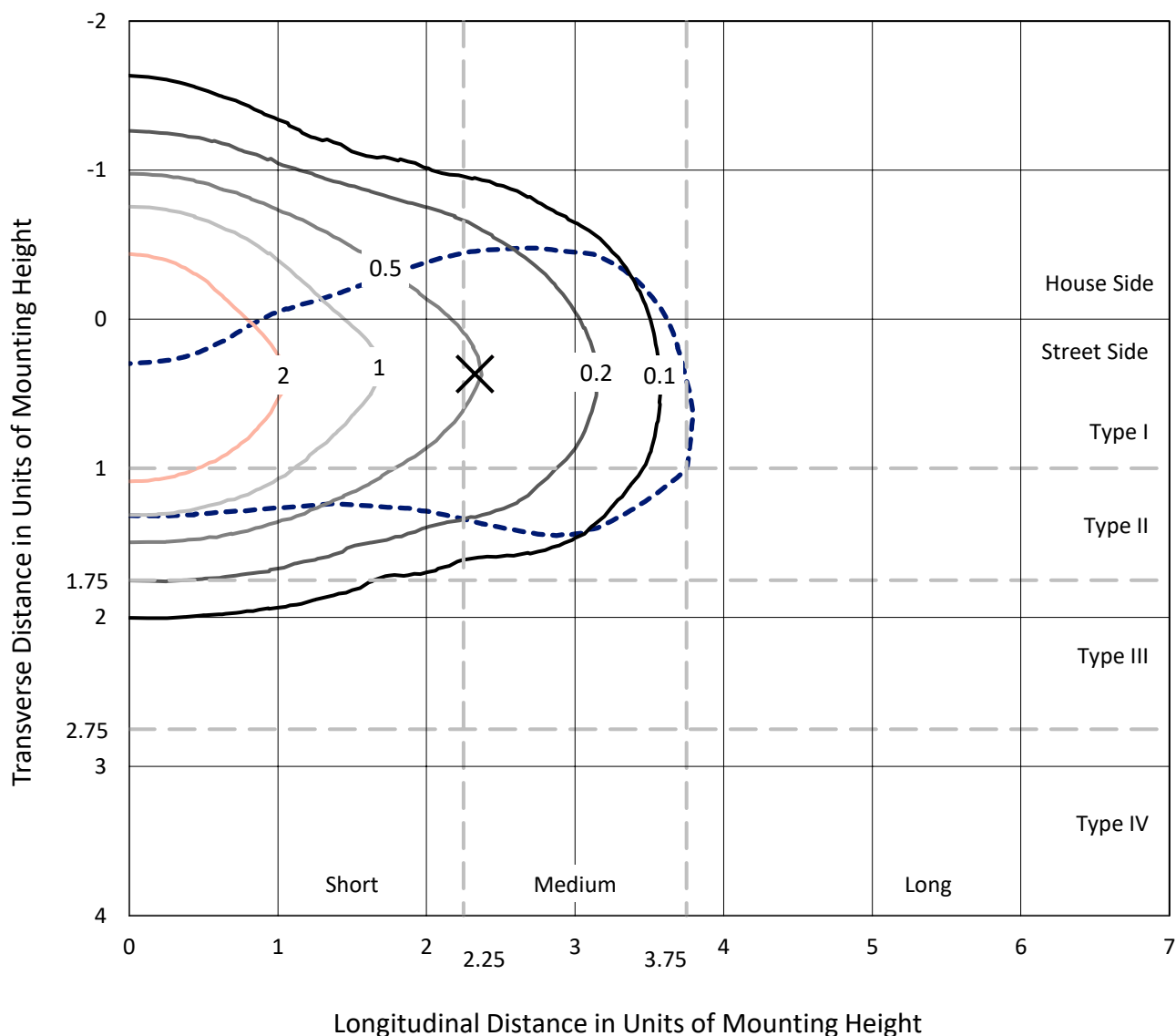
Lumens per Lamp: N/A
Luminaire Lumens: 3799.1 lumens
Efficiency: N/A
Efficacy: 143.4 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 26.5
Input Voltage (V): 120
Input Current (Ain): 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

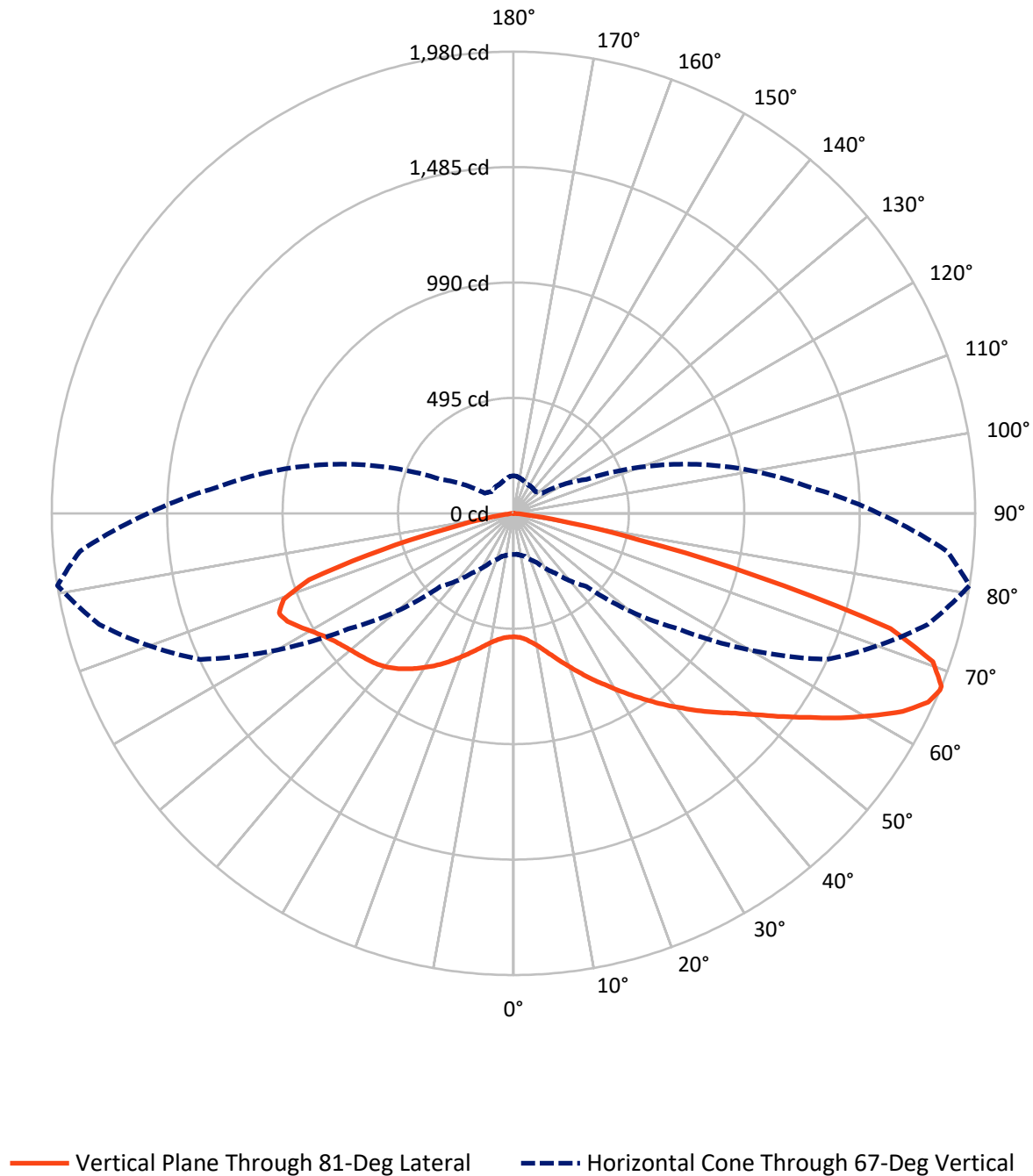
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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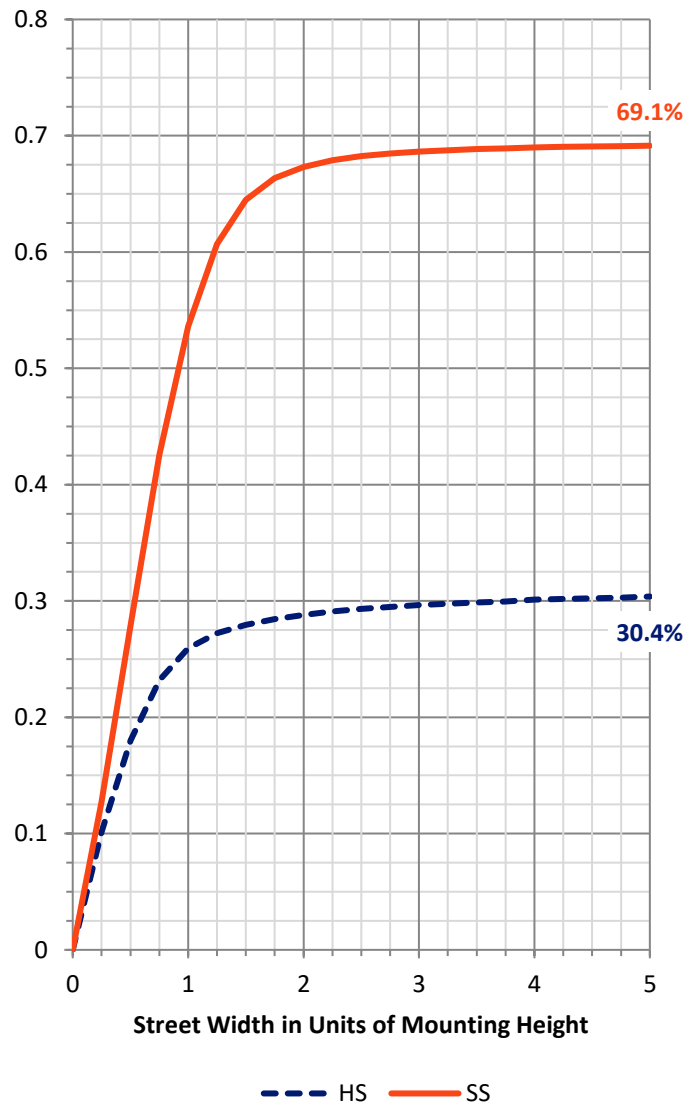
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1173.1	0.0	1173.1
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	2626.0	0.0	2626.0
	% Fixture	69.1	0.0	69.1
Total	Lumens	3799.1	0.0	3799.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.8	1.4
10°-20°	198.4	5.2
20°-30°	402.0	10.6
30°-40°	633.8	16.7
40°-50°	778.4	20.5
50°-60°	743.6	19.6
60°-70°	623.6	16.4
70°-80°	330.3	8.7
80°-90°	34.1	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°	3799.1	100.0
0°-180°	3799.1	100.0

Coefficient of Utilization



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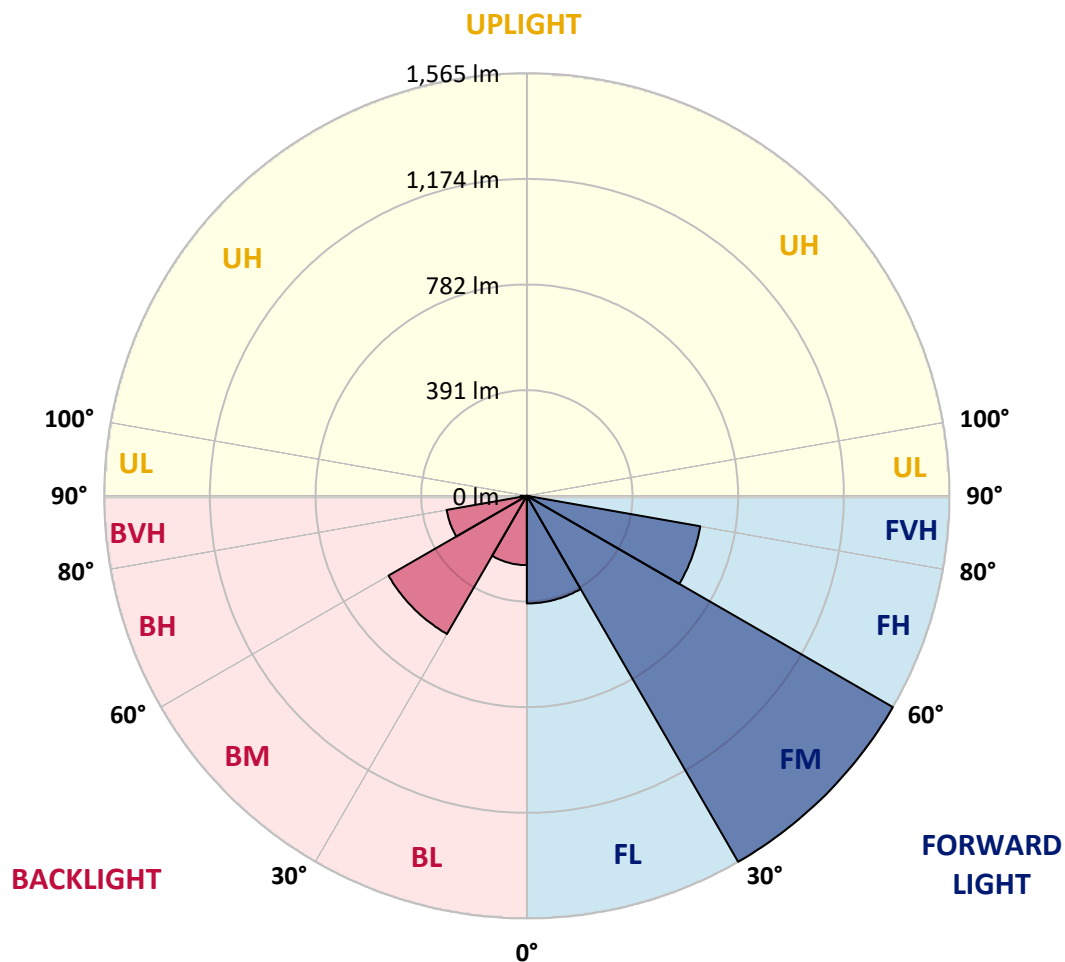
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	398.5	10.5			
FM	(30°-60°)	1564.7	41.2			
FH	(60°-80°)	652.2	17.2			G0/660
FVH	(80°-90°)	10.6	0.3			G1/100
BL	(0°-30°)	256.7	6.8	B1/500		
BM	(30°-60°)	591.1	15.6	B1/1000		
BH	(60°-80°)	301.8	7.9	B1/500		G1/500
BVH	(80°-90°)	23.5	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°	529.2	529.2	529.2	529.2	529.2	529.2	529.2	529.2	529.2	529.2	529.2
2.5°	559.7	561.2	558.3	557.6	554.7	550.3	545.2	541.6	535.8	532.8	531.4
5°	612.8	609.9	607.7	604.1	593.9	585.2	570.6	560.5	549.6	542.3	540.1
7.5°	677.5	679.0	671.7	662.2	647.7	630.3	607.0	588.1	567.7	558.3	553.9
10°	748.0	753.8	746.6	734.9	707.3	681.1	652.8	620.1	592.5	577.9	572.1
12.5°	833.8	837.4	828.0	812.7	779.3	740.0	700.0	659.3	623.0	604.8	594.6
15°	929.8	926.8	917.4	894.9	852.0	808.4	753.8	700.8	657.9	635.3	620.8
17.5°	1028.6	1025.0	1012.6	983.5	934.8	880.3	815.6	748.7	695.0	670.2	650.6
20°	1123.1	1119.5	1110.8	1078.0	1019.2	952.3	876.7	804.0	737.1	706.6	684.8
22.5°	1227.8	1224.9	1211.1	1171.1	1107.9	1034.4	946.5	860.0	782.9	746.6	720.4
25°	1341.2	1341.9	1326.7	1270.7	1199.4	1113.7	1021.3	923.2	834.5	788.7	758.9
27.5°	1473.5	1472.8	1446.6	1386.3	1296.9	1198.0	1095.5	989.4	885.4	831.6	797.5
30°	1593.4	1590.5	1561.5	1501.1	1397.9	1286.7	1174.0	1053.3	942.8	878.9	837.4
32.5°	1682.1	1682.9	1658.9	1592.7	1491.7	1373.2	1247.4	1125.3	998.1	929.8	884.0
35°	1746.1	1746.8	1723.6	1666.9	1572.4	1453.9	1325.2	1192.9	1059.9	982.1	932.7
37.5°	1766.5	1766.5	1751.2	1706.9	1629.8	1526.6	1401.5	1270.0	1121.7	1038.8	982.1
40°	1738.8	1741.0	1740.3	1711.2	1658.1	1576.7	1472.0	1344.1	1190.7	1094.8	1032.3
42.5°	1676.3	1677.8	1680.0	1669.0	1652.3	1603.6	1528.8	1419.7	1259.8	1155.8	1081.7
45°	1573.1	1578.9	1589.8	1594.2	1600.7	1597.1	1563.6	1490.2	1336.8	1216.9	1130.4
47.5°	1442.2	1451.7	1466.2	1492.4	1528.8	1557.8	1572.4	1544.7	1411.7	1280.1	1184.9
50°	1260.5	1270.7	1309.9	1364.5	1436.4	1493.1	1548.4	1585.5	1495.3	1357.2	1246.0
52.5°	1009.0	1030.8	1096.9	1201.6	1325.2	1409.5	1497.5	1605.1	1580.4	1448.1	1318.7
55°	767.6	775.6	860.7	986.5	1176.9	1319.4	1427.7	1594.9	1660.3	1543.3	1401.5
57.5°	536.5	545.2	619.4	756.7	967.6	1201.6	1357.9	1560.7	1733.0	1655.2	1496.8
60°	380.9	390.4	445.6	547.4	751.7	1030.1	1293.2	1517.1	1796.3	1761.4	1606.5
62.5°	277.0	282.1	311.1	396.9	543.0	805.4	1200.9	1488.8	1840.6	1871.9	1719.2
65°	212.3	217.4	234.1	287.9	401.3	588.8	1035.2	1488.0	1852.2	1953.3	1816.6
67°	176.6	175.9	190.5	231.2	313.3	442.7	864.3	1482.2	1839.2	1979.5	1866.0
67.5°	167.2	170.1	181.7	215.9	295.9	407.8	827.3	1472.8	1834.8	1978.7	1869.7
70°	133.0	133.8	143.9	170.8	222.4	295.9	595.4	1379.7	1768.6	1907.5	1829.0
72.5°	97.4	96.7	111.9	129.4	170.1	215.2	399.1	1158.7	1625.4	1690.1	1626.2
75°	72.0	71.2	79.2	98.9	121.4	160.7	258.8	756.0	1100.6	1075.1	993.0
77.5°	48.0	49.4	56.7	72.7	86.5	99.6	129.4	348.2	606.3	548.1	527.8
80°	29.1	26.9	32.0	41.4	50.2	50.9	55.2	150.5	260.2	247.9	232.6
82.5°	10.2	10.2	12.4	16.7	16.7	16.7	20.4	36.3	51.6	47.3	45.1
85°	0.0	0.0	0.0	0.0	1.5	2.2	1.5	2.9	5.1	5.8	5.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.5	2.2	2.9	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°	529.2	529.2	529.2	529.2	529.2	529.2	529.2	529.2	529.2	529.2	529.2
2.5°	531.4	531.4	529.2	526.3	524.8	524.1	521.9	519.0	521.2	523.4	523.4
5°	538.7	537.2	532.8	529.9	527.8	527.8	524.8	524.1	526.3	528.5	527.8
7.5°	550.3	547.4	542.3	537.9	538.7	539.4	535.0	535.0	537.2	539.4	539.4
10°	566.3	561.2	556.1	552.5	553.2	553.9	549.6	548.1	550.3	552.5	553.9
12.5°	586.6	580.1	574.3	570.6	569.9	570.6	566.3	564.8	564.8	566.3	566.3
15°	610.6	603.4	596.1	591.0	589.5	588.8	583.0	577.9	577.9	578.6	578.6
17.5°	638.3	628.1	618.6	612.8	609.2	604.1	597.5	590.3	588.1	588.8	588.8
20°	665.9	655.0	642.6	634.6	627.3	618.6	608.4	599.0	594.6	594.6	593.9
22.5°	697.9	683.3	666.6	655.7	642.6	628.1	613.5	601.2	596.8	595.4	595.4
25°	730.6	713.9	689.9	673.1	654.2	633.2	614.3	597.5	590.3	587.4	587.4
27.5°	764.0	744.4	713.1	689.1	661.5	632.4	607.0	585.9	575.7	572.1	570.6
30°	801.8	773.5	733.5	700.8	663.0	625.9	593.2	568.5	553.2	544.5	545.2
32.5°	841.1	805.4	752.4	708.0	660.8	613.5	572.1	540.8	521.2	513.2	510.3
35°	881.0	836.0	769.1	711.7	653.5	594.6	545.2	510.3	488.5	476.9	476.9
37.5°	921.8	868.0	780.7	710.9	640.4	569.9	513.9	476.9	451.4	436.9	433.3
40°	961.7	897.8	789.5	705.1	620.8	540.1	480.5	440.5	406.4	387.5	384.6
42.5°	1001.0	922.5	793.8	695.7	597.5	507.4	442.7	388.9	356.2	338.8	338.0
45°	1036.6	942.1	794.5	683.3	567.0	470.3	391.8	340.2	307.5	289.3	289.3
47.5°	1071.5	963.9	793.8	667.3	533.6	422.4	338.0	287.9	258.1	246.4	242.8
50°	1113.7	985.7	793.1	647.7	490.7	364.9	285.7	242.8	217.4	205.7	205.7
52.5°	1156.6	1011.2	794.5	620.1	439.8	308.9	239.2	201.4	184.6	177.4	176.6
55°	1211.8	1038.1	798.2	587.4	386.7	254.4	199.2	173.7	162.1	158.5	159.2
57.5°	1278.7	1075.1	805.4	548.8	324.9	208.6	170.8	157.0	154.1	155.6	156.3
60°	1355.0	1120.9	815.6	505.2	270.4	173.7	154.1	151.2	154.1	159.9	160.7
62.5°	1443.7	1176.2	828.7	456.5	216.6	152.7	146.8	149.0	151.2	160.7	161.4
65°	1522.2	1235.8	831.6	399.1	175.9	138.8	142.5	143.9	149.7	160.7	161.4
67°	1566.6	1276.5	812.0	344.6	150.5	131.6	136.7	138.1	148.3	159.2	160.7
67.5°	1571.6	1285.2	798.9	330.8	145.4	130.1	135.2	138.1	148.3	159.2	159.9
70°	1556.4	1279.4	711.7	249.3	119.9	119.9	125.8	132.3	142.5	154.1	159.2
72.5°	1420.4	1166.7	551.0	169.4	101.8	108.3	117.0	126.5	135.9	149.7	158.5
75°	897.8	750.9	337.3	113.4	85.1	96.7	110.5	121.4	129.4	139.6	145.4
77.5°	479.8	371.5	145.4	66.9	66.9	85.8	102.5	112.7	117.0	120.7	124.3
80°	226.8	173.0	70.5	40.0	46.5	66.9	90.9	101.8	103.2	107.6	109.0
82.5°	45.1	39.3	23.3	21.1	30.5	48.0	75.6	88.0	88.7	96.0	97.4
85°	5.8	5.1	3.6	8.0	19.6	35.6	58.2	75.6	77.1	77.1	75.6
87.5°	2.9	2.2	2.2	5.8	14.5	26.9	48.0	63.2	64.0	50.2	48.7
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)