

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: P1211911

Luminaire Tested: **GKO-PB2A-830-U-T2R**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211911
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB2A-830-U-T2R
Description: GEKKO WALL PACK 4000LM PACKAGE 80CRI 3000K FIXTURE w/ TYPE II
ROADWAY DISTRIBUTION OPTIC
Light Source: (20) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

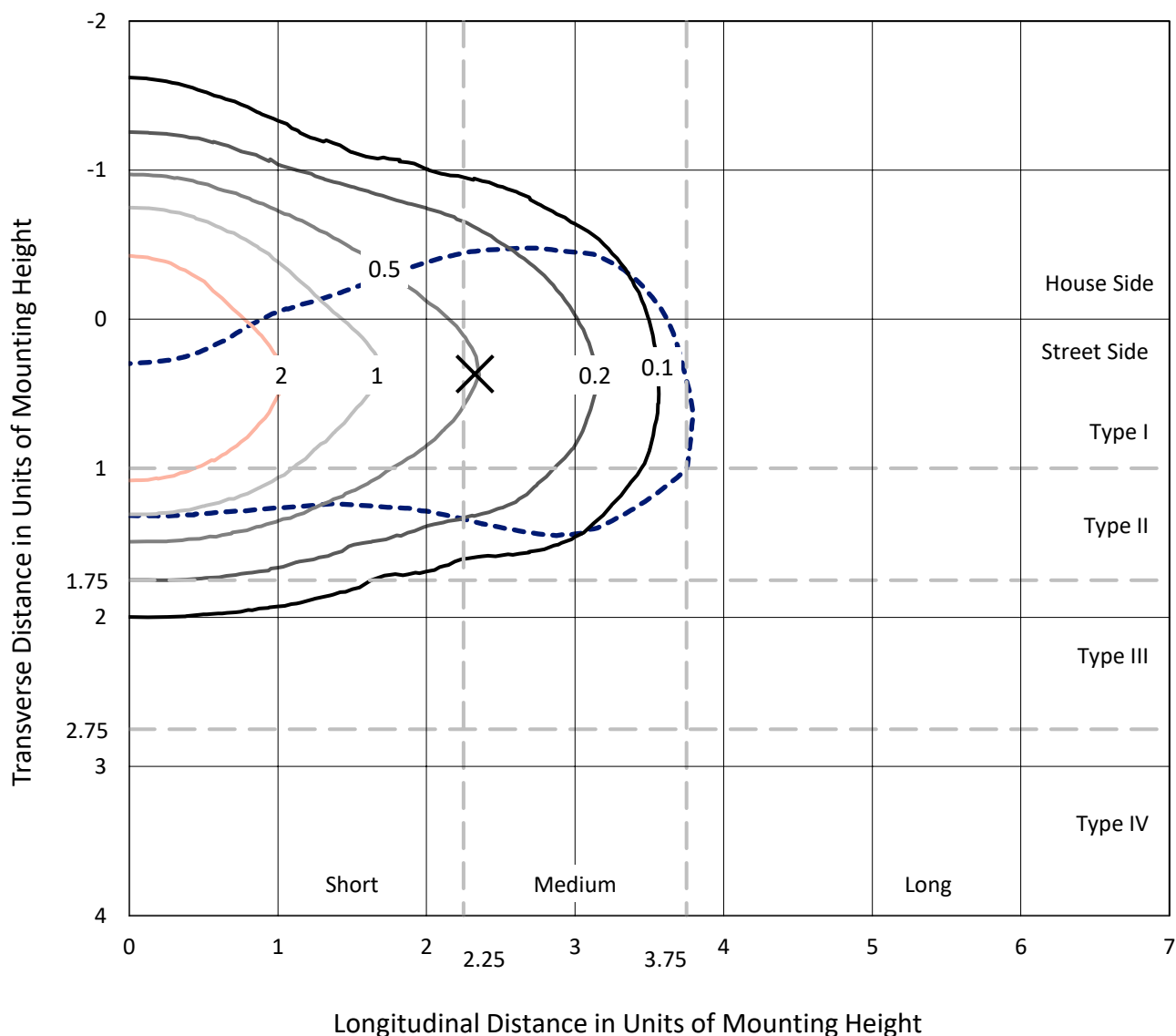
Lumens per Lamp: N/A
Luminaire Lumens: 3739.7 lumens
Efficiency: N/A
Efficacy: 141.1 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

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

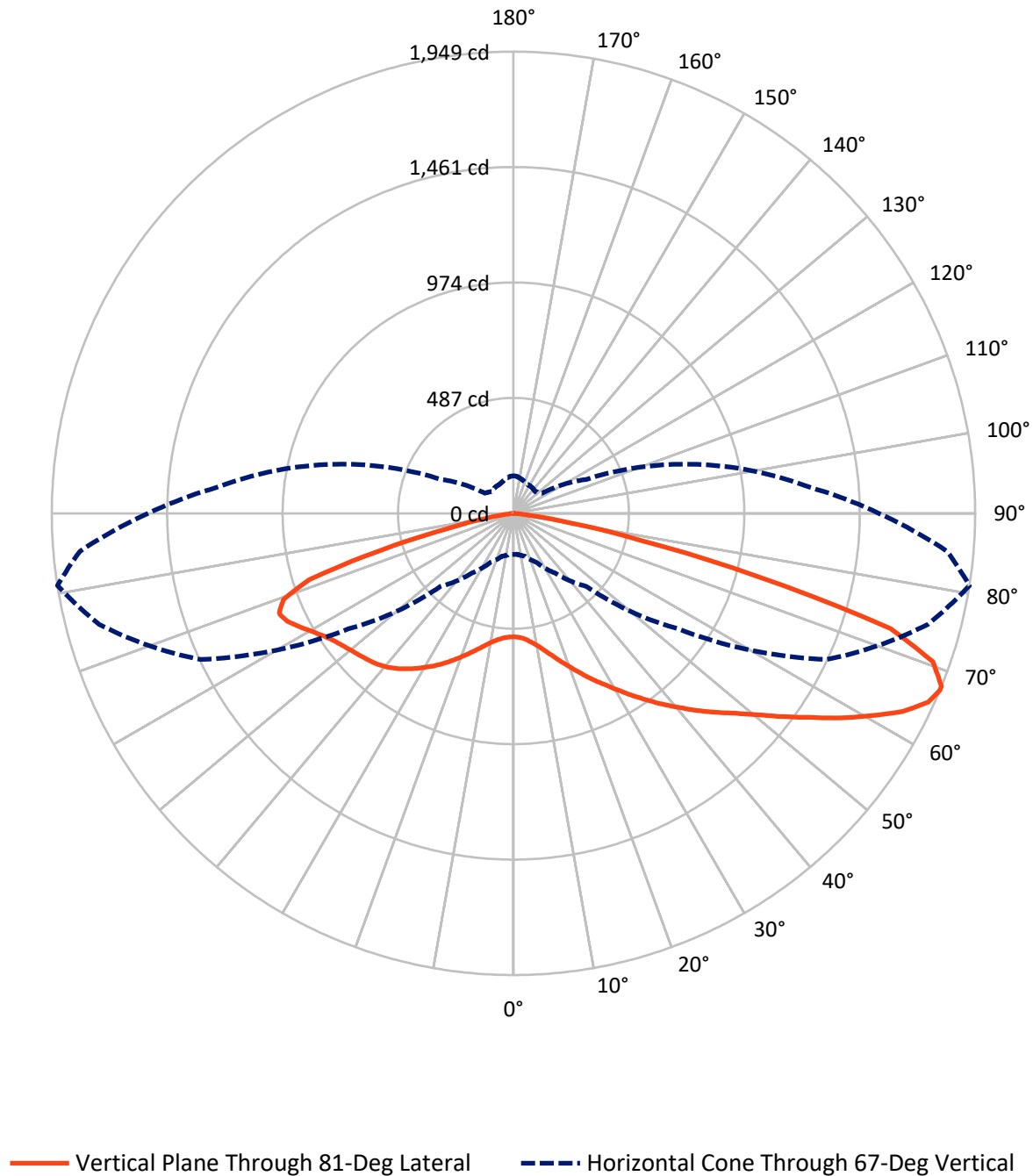
✕ Max cd
 - - - 1/2 Max cd



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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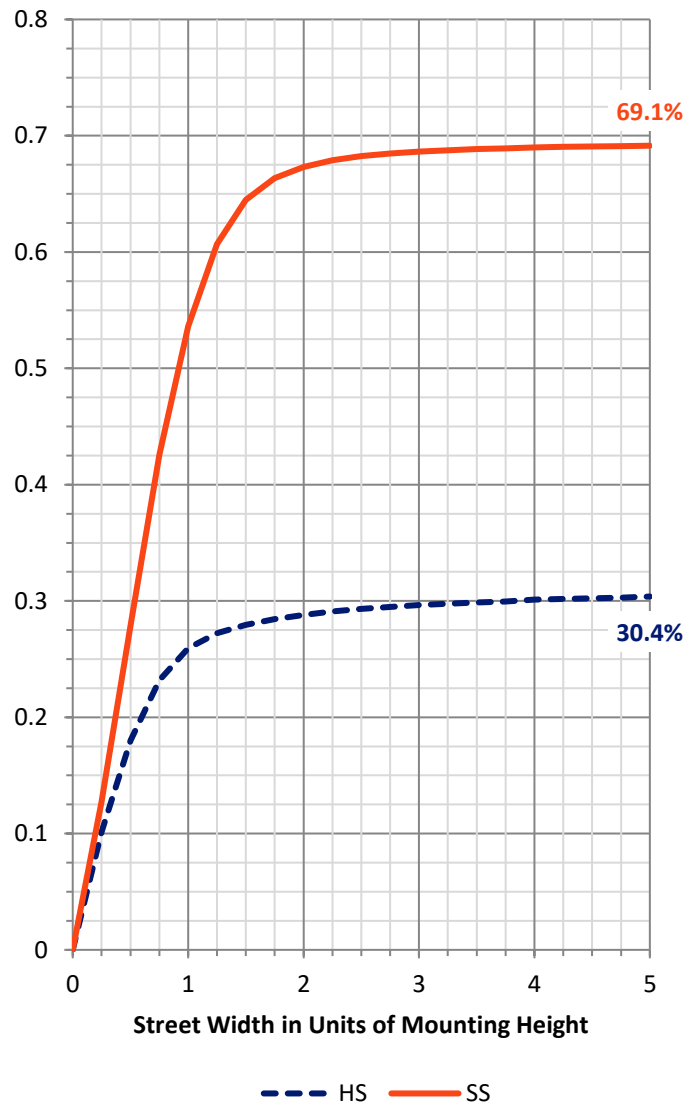
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1154.8	0.0	1154.8
	% Fixture	30.9	0.0	30.9
Street Side	Lumens	2584.9	0.0	2584.9
	% Fixture	69.1	0.0	69.1
Total	Lumens	3739.7	0.0	3739.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.0	1.4
10°-20°	195.3	5.2
20°-30°	395.7	10.6
30°-40°	623.9	16.7
40°-50°	766.2	20.5
50°-60°	732.0	19.6
60°-70°	613.8	16.4
70°-80°	325.2	8.7
80°-90°	33.6	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°	3739.7	100.0
0°-180°	3739.7	100.0

Coefficient of Utilization



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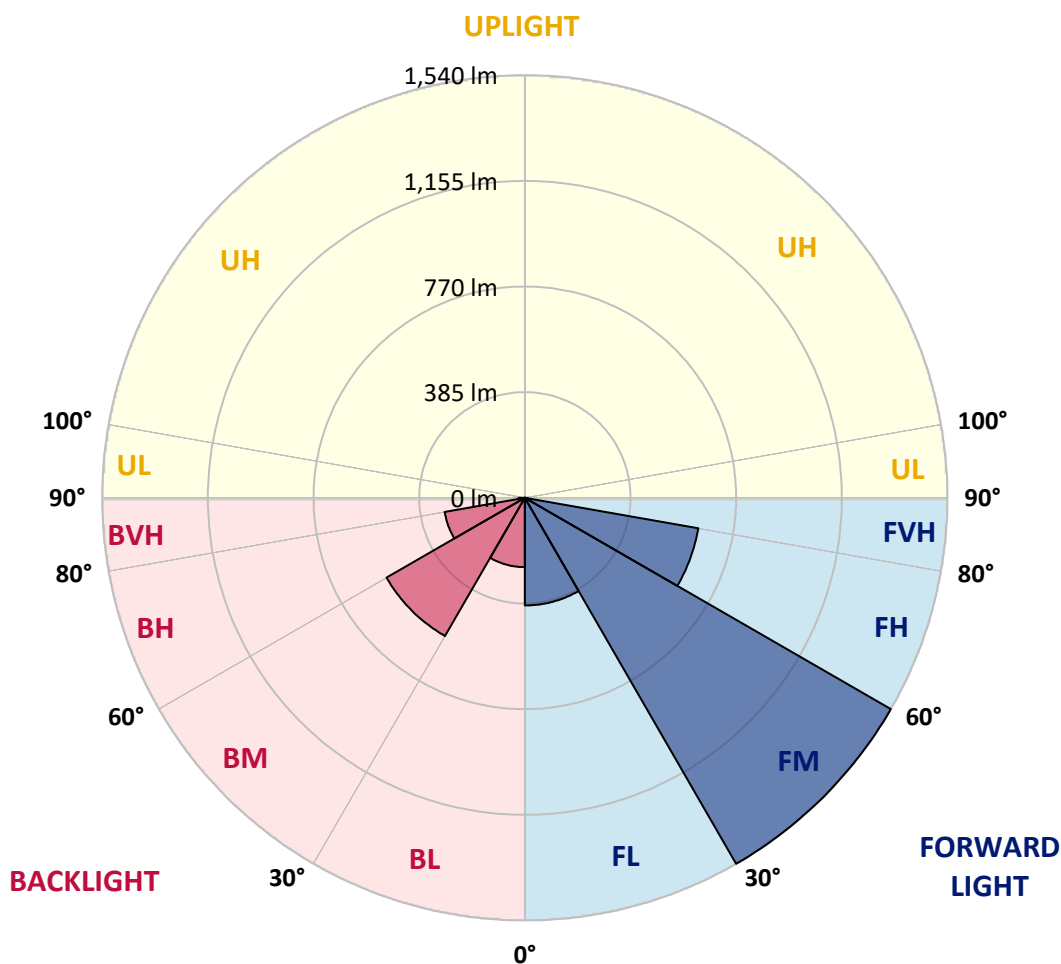
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	392.2	10.5			
FM	(30°-60°)	1540.2	41.2			
FH	(60°-80°)	642.0	17.2			G0/660
FVH	(80°-90°)	10.4	0.3			G1/100
BL	(0°-30°)	252.7	6.8	B1/500		
BM	(30°-60°)	581.9	15.6	B1/1000		
BH	(60°-80°)	297.1	7.9	B1/500		G1/500
BVH	(80°-90°)	23.2	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°	520.9	520.9	520.9	520.9	520.9	520.9	520.9	520.9	520.9	520.9	520.9
2.5°	551.0	552.4	549.6	548.8	546.0	541.7	536.7	533.1	527.4	524.5	523.1
5°	603.2	600.4	598.2	594.6	584.6	576.0	561.7	551.7	541.0	533.8	531.7
7.5°	666.9	668.3	661.2	651.9	637.6	620.4	597.5	578.9	558.9	549.6	545.3
10°	736.3	742.0	734.9	723.4	696.2	670.5	642.6	610.4	583.2	568.9	563.2
12.5°	820.8	824.3	815.0	800.0	767.1	728.4	689.1	649.0	613.2	595.4	585.3
15°	915.2	912.3	903.0	880.9	838.6	795.7	742.0	689.8	647.6	625.4	611.1
17.5°	1012.5	1008.9	996.8	968.2	920.2	866.6	802.9	737.0	684.1	659.8	640.4
20°	1105.6	1102.0	1093.4	1061.2	1003.2	937.4	863.0	791.4	725.6	695.5	674.1
22.5°	1208.6	1205.7	1192.1	1152.8	1090.5	1018.3	931.7	846.5	770.7	734.9	709.1
25°	1320.2	1320.9	1305.9	1250.8	1180.7	1096.2	1005.4	908.8	821.5	776.4	747.1
27.5°	1450.5	1449.7	1424.0	1364.6	1276.6	1179.3	1078.4	973.9	871.6	818.6	785.0
30°	1568.5	1565.7	1537.0	1477.6	1376.0	1266.6	1155.6	1036.9	928.1	865.1	824.3
32.5°	1655.8	1656.5	1632.9	1567.8	1468.3	1351.7	1227.9	1107.7	982.5	915.2	870.1
35°	1718.8	1719.5	1696.6	1640.8	1547.8	1431.1	1304.5	1174.2	1043.3	966.7	918.1
37.5°	1738.8	1738.8	1723.8	1680.2	1604.3	1502.7	1379.6	1250.1	1104.1	1022.5	966.7
40°	1711.6	1713.8	1713.1	1684.4	1632.2	1552.1	1449.0	1323.1	1172.1	1077.6	1016.1
42.5°	1650.1	1651.5	1653.7	1642.9	1626.5	1578.5	1504.8	1397.5	1240.1	1137.8	1064.8
45°	1548.5	1554.2	1564.9	1569.2	1575.7	1572.1	1539.2	1466.9	1315.9	1197.9	1112.7
47.5°	1419.7	1429.0	1443.3	1469.1	1504.8	1533.5	1547.8	1520.6	1389.6	1260.1	1166.4
50°	1240.8	1250.8	1289.5	1343.1	1414.0	1469.8	1524.2	1560.7	1471.9	1336.0	1226.5
52.5°	993.2	1014.7	1079.8	1182.8	1304.5	1387.5	1474.1	1580.0	1555.6	1425.4	1298.0
55°	755.6	763.5	847.2	971.0	1158.5	1298.8	1405.4	1570.0	1634.4	1519.1	1379.6
57.5°	528.1	536.7	609.7	744.9	952.4	1182.8	1336.7	1536.3	1705.9	1629.3	1473.4
60°	375.0	384.3	438.6	538.8	739.9	1014.0	1273.0	1493.4	1768.2	1733.8	1581.4
62.5°	272.6	277.6	306.3	390.7	534.5	792.8	1182.1	1465.5	1811.8	1842.6	1692.3
65°	208.9	214.0	230.4	283.4	395.0	579.6	1019.0	1464.8	1823.3	1922.7	1788.2
67°	173.9	173.2	187.5	227.6	308.4	435.8	850.8	1459.0	1810.4	1948.5	1836.9
67.5°	164.6	167.4	178.9	212.5	291.2	401.4	814.3	1449.7	1806.1	1947.8	1840.4
70°	130.9	131.7	141.7	168.2	219.0	291.2	586.0	1358.1	1741.0	1877.6	1800.4
72.5°	95.9	95.2	110.2	127.4	167.4	211.8	392.8	1140.6	1600.0	1663.7	1600.7
75°	70.8	70.1	78.0	97.3	119.5	158.1	254.7	744.2	1083.4	1058.3	977.5
77.5°	47.2	48.7	55.8	71.6	85.2	98.0	127.4	342.8	596.8	539.5	519.5
80°	28.6	26.5	31.5	40.8	49.4	50.1	54.4	148.1	256.2	244.0	229.0
82.5°	10.0	10.0	12.2	16.5	16.5	16.5	20.0	35.8	50.8	46.5	44.4
85°	0.0	0.0	0.0	0.0	1.4	2.1	1.4	2.9	5.0	5.7	5.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.4	2.1	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°	520.9	520.9	520.9	520.9	520.9	520.9	520.9	520.9	520.9	520.9	520.9
2.5°	523.1	523.1	520.9	518.1	516.6	515.9	513.8	510.9	513.1	515.2	515.2
5°	530.2	528.8	524.5	521.6	519.5	519.5	516.6	515.9	518.1	520.2	519.5
7.5°	541.7	538.8	533.8	529.5	530.2	531.0	526.7	526.7	528.8	531.0	531.0
10°	557.4	552.4	547.4	543.8	544.5	545.3	541.0	539.5	541.7	543.8	545.3
12.5°	577.5	571.0	565.3	561.7	561.0	561.7	557.4	556.0	556.0	557.4	557.4
15°	601.1	593.9	586.8	581.8	580.3	579.6	573.9	568.9	568.9	569.6	569.6
17.5°	628.3	618.2	608.9	603.2	599.6	594.6	588.2	581.0	578.9	579.6	579.6
20°	655.5	644.7	632.6	624.7	617.5	608.9	598.9	589.6	585.3	585.3	584.6
22.5°	686.9	672.6	656.2	645.4	632.6	618.2	603.9	591.8	587.5	586.0	586.0
25°	719.1	702.7	679.1	662.6	644.0	623.3	604.7	588.2	581.0	578.2	578.2
27.5°	752.1	732.7	702.0	678.4	651.2	622.5	597.5	576.7	566.7	563.2	561.7
30°	789.3	761.4	722.0	689.8	652.6	616.1	583.9	559.6	544.5	536.0	536.7
32.5°	827.9	792.8	740.6	697.0	650.5	603.9	563.2	532.4	513.1	505.2	502.3
35°	867.3	822.9	757.1	700.5	643.3	585.3	536.7	502.3	480.9	469.4	469.4
37.5°	907.3	854.4	768.5	699.8	630.4	561.0	505.9	469.4	444.4	430.1	426.5
40°	946.7	883.7	777.1	694.1	611.1	531.7	473.0	433.6	400.0	381.4	378.5
42.5°	985.3	908.1	781.4	684.8	588.2	499.5	435.8	382.8	350.6	333.5	332.7
45°	1020.4	927.4	782.1	672.6	558.1	463.0	385.7	334.9	302.7	284.8	284.8
47.5°	1054.7	948.8	781.4	656.9	525.2	415.7	332.7	283.4	254.0	242.6	239.0
50°	1096.2	970.3	780.7	637.6	483.0	359.2	281.2	239.0	214.0	202.5	202.5
52.5°	1138.5	995.4	782.1	610.4	432.9	304.1	235.4	198.2	181.8	174.6	173.9
55°	1192.8	1021.8	785.7	578.2	380.7	250.4	196.1	171.0	159.6	156.0	156.7
57.5°	1258.7	1058.3	792.8	540.3	319.9	205.4	168.2	154.6	151.7	153.1	153.8
60°	1333.8	1103.4	802.9	497.3	266.2	171.0	151.7	148.8	151.7	157.4	158.1
62.5°	1421.1	1157.8	815.7	449.4	213.2	150.3	144.5	146.7	148.8	158.1	158.9
65°	1498.4	1216.5	818.6	392.8	173.2	136.7	140.3	141.7	147.4	158.1	158.9
67°	1542.0	1256.5	799.3	339.2	148.1	129.5	134.5	136.0	146.0	156.7	158.1
67.5°	1547.1	1265.1	786.4	325.6	143.1	128.1	133.1	136.0	146.0	156.7	157.4
70°	1532.0	1259.4	700.5	245.4	118.1	118.1	123.8	130.2	140.3	151.7	156.7
72.5°	1398.2	1148.5	542.4	166.7	100.2	106.6	115.2	124.5	133.8	147.4	156.0
75°	883.7	739.2	332.0	111.6	83.7	95.2	108.8	119.5	127.4	137.4	143.1
77.5°	472.3	365.7	143.1	65.8	65.8	84.4	100.9	110.9	115.2	118.8	122.4
80°	223.3	170.3	69.4	39.4	45.8	65.8	89.4	100.2	101.6	105.9	107.3
82.5°	44.4	38.6	22.9	20.8	30.1	47.2	74.4	86.6	87.3	94.5	95.9
85°	5.7	5.0	3.6	7.9	19.3	35.1	57.2	74.4	75.9	75.9	74.4
87.5°	2.9	2.1	2.1	5.7	14.3	26.5	47.2	62.3	63.0	49.4	47.9
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)