

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: P1211952

Luminaire Tested: **GKO-PB1E-827-U-T2U**

Issue Date: 11/5/2025



Test Information

Test Method: LM-79-08
Report Number: P1211952
Test Lab: INNOVATION CENTER(G1)
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GKO-PB1E-827-U-T2U
Description: GEKKO WALL PACK 5000LM PACKAGE 80CRI 2700K FIXTURE w/ TYPE II URBAN DISTRIBUTION OPTIC
Light Source: (10) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

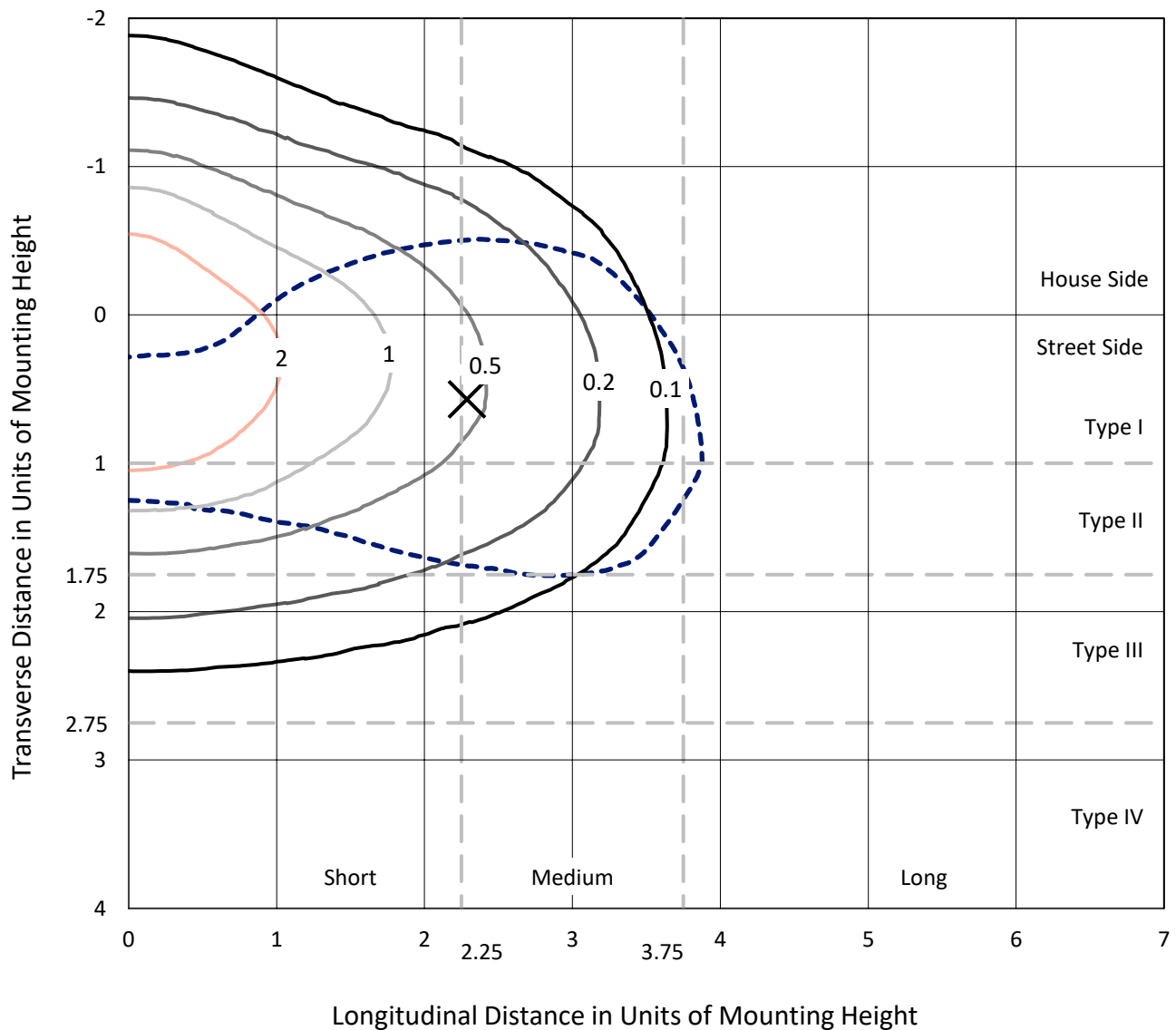
Lumens per Lamp: N/A
Luminaire Lumens: 4384.9 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 38.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): 9%
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

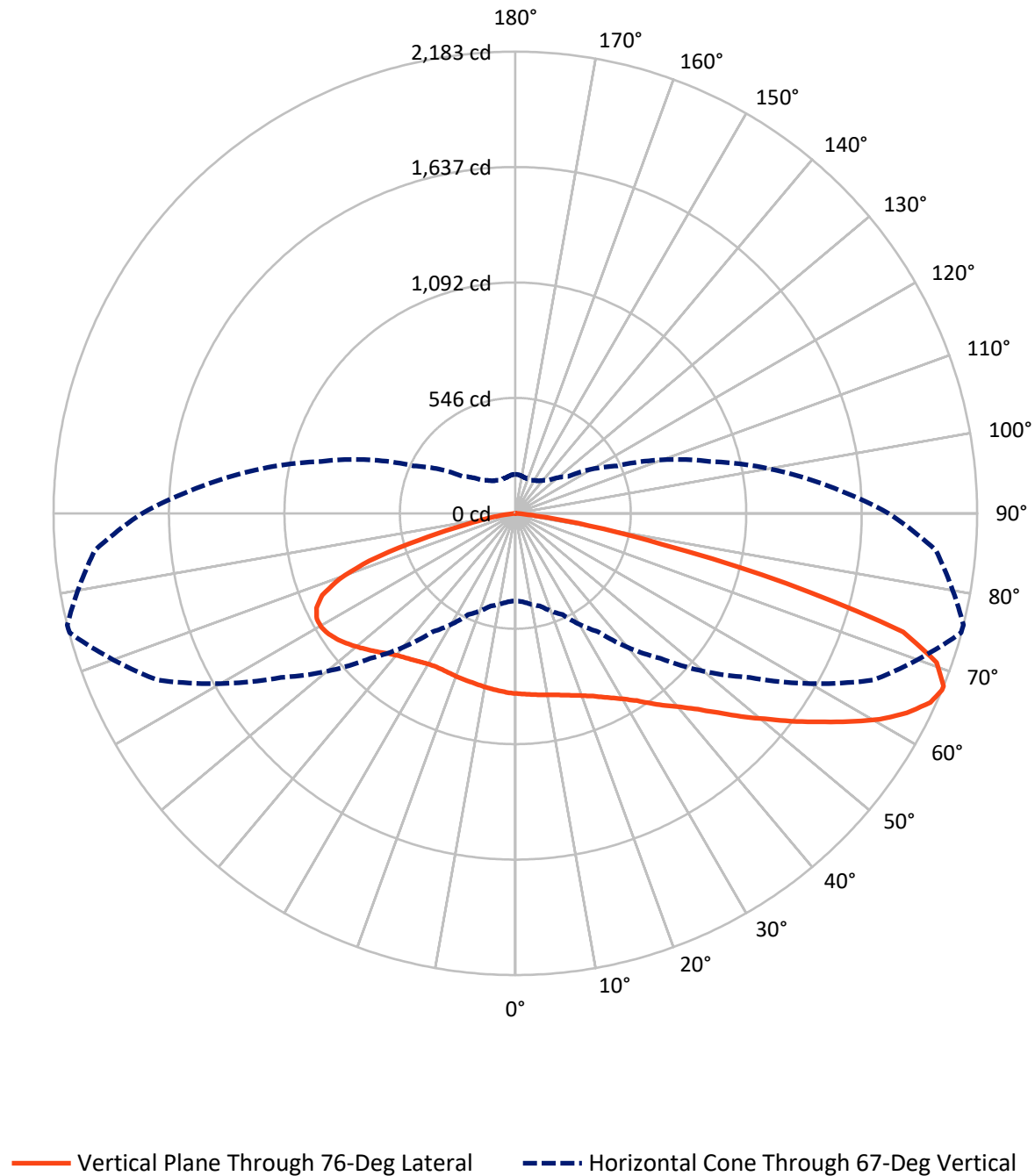
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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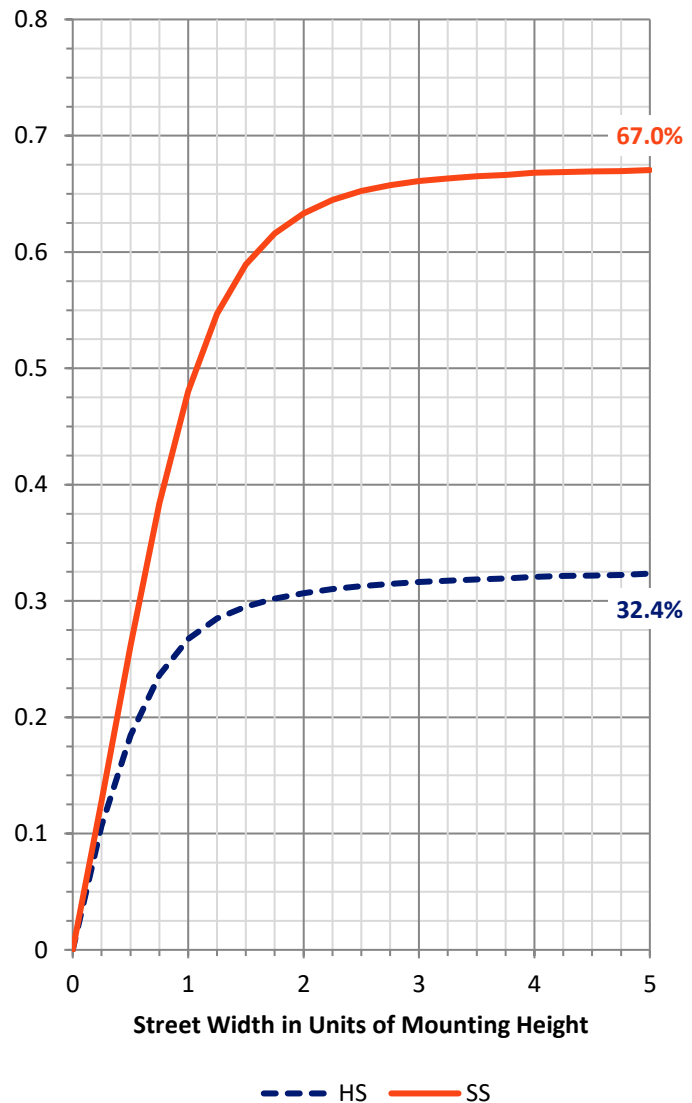
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1446.7	0.0	1446.7
	% Fixture	33.0	0.0	33.0
Street Side	Lumens	2938.3	0.0	2938.3
	% Fixture	67.0	0.0	67.0
Total	Lumens	4384.9	0.0	4384.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.9	1.9
10°-20°	250.7	5.7
20°-30°	431.2	9.8
30°-40°	619.7	14.1
40°-50°	785.9	17.9
50°-60°	863.0	19.7
60°-70°	836.9	19.1
70°-80°	462.1	10.5
80°-90°	53.6	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°	4384.9	100.0
0°-180°	4384.9	100.0

Coefficient of Utilization



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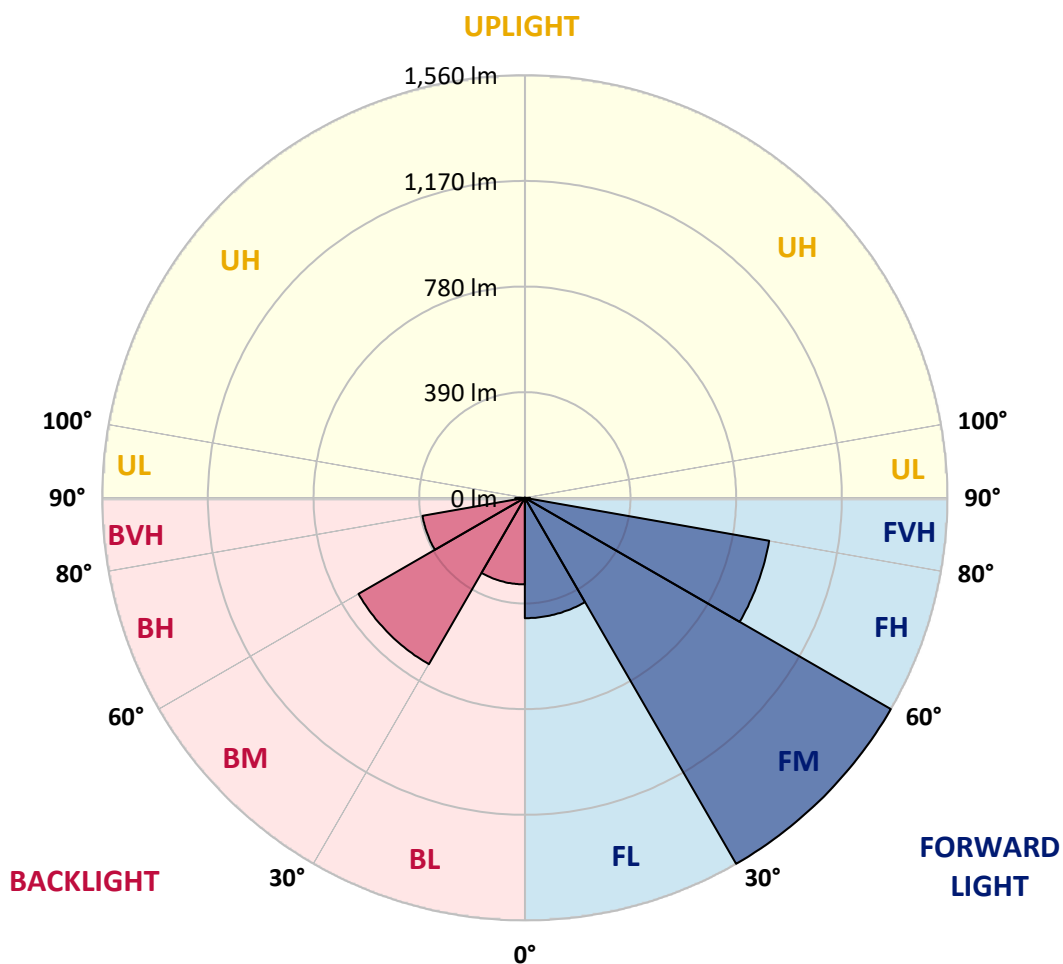
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	444.2	10.1			
FM	(30°-60°)	1559.6	35.6			
FH	(60°-80°)	915.5	20.9			G1/1800
FVH	(80°-90°)	18.9	0.4			G1/100
BL	(0°-30°)	319.6	7.3	B1/500		
BM	(30°-60°)	708.9	16.2	B1/1000		
BH	(60°-80°)	383.5	8.7	B1/500		G1/500
BVH	(80°-90°)	34.7	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-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	852.4	852.4	852.4	852.4	852.4	852.4	852.4	852.4	852.4	852.4	852.4
2.5°	877.8	877.0	876.1	876.1	872.7	869.3	866.0	863.4	856.6	855.8	852.4
5°	904.1	904.1	901.6	900.7	895.6	887.2	879.5	871.9	862.6	860.9	853.2
7.5°	938.0	938.0	933.8	930.4	922.8	909.2	895.6	882.1	868.5	866.8	854.9
10°	981.3	981.3	977.9	970.3	954.2	936.3	914.3	893.1	875.3	873.6	856.6
12.5°	1026.3	1027.1	1022.0	1011.0	991.5	964.3	937.2	906.7	883.8	881.2	860.0
15°	1072.1	1072.9	1069.5	1057.6	1031.3	998.3	961.8	925.3	894.8	892.2	865.1
17.5°	1117.0	1118.7	1115.3	1101.7	1071.2	1035.6	990.6	944.8	908.4	905.0	873.6
20°	1159.4	1159.4	1159.4	1144.1	1114.5	1073.7	1022.0	968.6	923.6	920.2	883.8
22.5°	1197.6	1199.3	1201.8	1193.3	1159.4	1114.5	1058.5	994.9	943.1	938.9	896.5
25°	1235.7	1236.6	1243.4	1237.4	1204.4	1157.7	1097.5	1027.9	966.9	962.6	911.8
27.5°	1279.8	1282.4	1286.6	1284.1	1246.8	1201.0	1140.7	1064.4	993.2	988.9	930.4
30°	1331.6	1331.6	1334.1	1329.9	1292.6	1246.8	1184.0	1102.6	1026.3	1019.5	953.3
32.5°	1374.0	1378.2	1376.5	1374.8	1335.8	1290.0	1228.1	1145.0	1064.4	1055.9	984.7
35°	1413.9	1414.7	1413.9	1415.5	1376.5	1333.3	1274.8	1194.2	1106.8	1103.4	1024.6
37.5°	1436.8	1438.4	1442.7	1447.8	1413.0	1372.3	1321.4	1248.5	1159.4	1153.5	1072.1
40°	1447.8	1450.3	1473.2	1480.9	1443.5	1409.6	1370.6	1297.7	1210.3	1203.5	1119.5
42.5°	1464.7	1485.1	1497.0	1498.7	1466.4	1436.8	1413.0	1353.6	1273.1	1267.1	1183.2
45°	1408.8	1401.1	1432.5	1469.0	1467.3	1454.6	1453.7	1416.4	1350.2	1344.3	1255.2
47.5°	1338.4	1332.4	1349.4	1402.8	1441.0	1462.2	1493.6	1490.2	1443.5	1435.1	1339.2
50°	1170.4	1180.6	1263.7	1336.7	1402.8	1464.7	1527.5	1567.4	1534.3	1527.5	1428.3
52.5°	1013.5	1020.3	1077.1	1251.0	1353.6	1457.1	1557.2	1648.8	1640.3	1632.7	1525.8
55°	903.3	910.1	1000.8	1111.9	1280.7	1418.1	1576.7	1726.0	1748.0	1740.4	1629.3
57.5°	787.9	798.9	860.9	958.4	1183.2	1353.6	1583.5	1804.0	1865.1	1858.3	1728.5
60°	676.8	692.1	728.6	834.6	1062.7	1277.3	1565.7	1866.8	1977.9	1977.9	1831.1
62.5°	574.2	582.7	620.8	716.7	910.1	1179.8	1520.7	1906.6	2081.3	2077.1	1921.0
65°	489.4	493.6	524.2	606.4	782.0	1072.1	1442.7	1904.1	2155.1	2156.0	1980.4
67°	413.0	419.8	453.8	528.4	684.4	970.3	1352.8	1865.9	2181.4	2183.1	1994.8
67.5°	386.8	394.4	431.7	508.9	664.1	942.3	1331.6	1849.8	2179.7	2183.1	1990.6
70°	266.3	268.0	330.8	419.0	546.2	793.9	1184.9	1737.8	2115.3	2112.7	1898.1
72.5°	169.6	167.1	227.3	306.2	439.3	642.9	1000.0	1541.9	1919.3	1916.8	1673.4
75°	112.8	115.3	153.5	218.8	308.7	497.0	779.4	1163.6	1333.3	1323.1	1104.3
77.5°	80.6	78.9	95.0	157.8	206.9	301.9	423.2	619.1	708.2	708.2	606.4
80°	44.1	45.0	51.7	87.4	117.0	117.9	158.6	310.4	346.0	353.7	294.3
82.5°	12.7	13.6	18.7	29.7	32.2	35.6	55.1	89.1	93.3	98.4	79.7
85°	0.0	0.0	0.0	0.8	3.4	4.2	4.2	5.1	8.5	8.5	9.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.7	3.4	3.4	4.2
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°	852.4	852.4	852.4	852.4	852.4	852.4	852.4	852.4	852.4	852.4	852.4
2.5°	851.5	852.4	849.0	844.7	841.4	839.7	834.6	830.3	832.9	835.4	835.4
5°	850.7	849.8	843.1	835.4	830.3	826.9	818.5	812.5	813.4	815.9	815.1
7.5°	850.7	847.3	838.0	826.9	818.5	811.7	800.6	793.9	793.0	794.7	793.0
10°	851.5	845.6	832.9	817.6	805.7	795.6	782.0	774.4	771.8	772.7	771.0
12.5°	853.2	843.9	827.8	808.3	793.0	779.4	764.2	754.8	753.1	754.8	754.8
15°	855.8	843.9	823.5	799.8	779.4	764.2	748.9	740.4	740.4	741.3	741.3
17.5°	860.9	846.4	820.2	790.5	765.9	748.9	735.3	729.4	730.2	732.8	732.8
20°	866.0	849.8	816.8	781.1	754.0	734.5	723.5	719.2	722.6	726.0	726.0
22.5°	873.6	854.1	813.4	772.7	740.4	720.9	711.6	708.2	711.6	715.8	714.1
25°	885.5	861.7	810.8	765.0	727.7	706.5	697.2	693.8	695.5	698.9	698.9
27.5°	899.0	871.0	810.0	755.7	712.4	689.5	678.5	673.4	673.4	674.3	675.1
30°	921.9	887.2	813.4	748.9	698.9	671.7	657.3	649.7	648.8	652.2	652.2
32.5°	949.1	909.2	821.8	743.0	685.3	650.5	631.0	625.1	623.4	625.9	623.4
35°	979.6	933.8	832.9	742.1	671.7	627.6	605.6	598.8	593.7	592.0	590.3
37.5°	1022.9	967.7	843.9	737.9	658.2	603.0	579.3	564.9	558.9	557.2	557.2
40°	1065.3	1000.8	857.5	731.1	642.0	578.4	544.5	528.4	525.8	525.8	525.8
42.5°	1118.7	1044.1	876.1	726.9	622.5	553.8	507.2	488.5	488.5	488.5	487.7
45°	1184.9	1100.9	899.9	725.2	603.9	524.2	467.3	442.7	441.9	441.0	440.2
47.5°	1262.0	1160.3	922.8	720.9	581.8	488.5	421.5	394.4	388.4	386.8	384.2
50°	1341.8	1224.7	947.4	715.0	555.5	447.0	378.3	346.9	334.2	329.9	331.6
52.5°	1426.6	1287.5	971.1	706.5	524.2	405.4	334.2	301.1	288.4	283.3	282.4
55°	1509.7	1351.1	993.2	695.5	490.2	363.0	296.8	264.6	253.6	251.9	251.9
57.5°	1593.7	1412.2	1010.1	679.4	452.9	325.7	264.6	238.3	230.7	234.1	234.1
60°	1670.0	1465.6	1018.6	657.3	415.6	291.8	239.2	219.7	216.3	224.8	223.9
62.5°	1738.7	1501.2	1014.4	625.1	379.1	262.9	219.7	205.3	206.1	216.3	217.1
65°	1771.8	1507.1	989.8	581.0	338.4	238.3	199.3	185.7	187.4	198.5	201.0
67°	1764.1	1484.2	949.1	530.9	305.3	219.7	186.6	173.0	173.9	183.2	184.0
67.5°	1755.7	1473.2	938.0	515.7	296.8	216.3	183.2	170.5	172.2	180.7	180.7
70°	1642.8	1361.3	836.3	437.6	257.0	192.5	167.1	158.6	160.3	165.4	165.4
72.5°	1435.9	1178.9	676.8	351.1	218.0	170.5	151.0	145.9	145.9	145.9	141.6
75°	916.0	738.7	442.7	268.9	179.8	145.9	135.7	129.8	126.4	131.5	129.8
77.5°	506.3	385.9	230.7	154.4	129.8	121.3	117.9	115.3	114.5	126.4	123.0
80°	240.0	190.8	129.8	88.2	74.6	89.9	101.8	100.1	119.6	163.7	164.5
82.5°	76.3	62.8	52.6	48.3	50.0	64.5	78.9	90.8	155.2	175.6	173.0
85°	9.3	8.5	5.9	19.5	33.1	47.5	61.1	117.9	142.5	118.7	112.0
87.5°	3.4	3.4	3.4	13.6	25.4	36.5	55.1	118.7	87.4	79.7	72.9
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)