

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: P198204

Luminaire Tested: **TT-C3-LED-E1-DL-CG-LWR-LW-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198204
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34709)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: TT-C3-LED-E1-DL-CG-LWR-LW-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
DRIVE LANE DISTRIBUTION WITH CLEAR GLASS LENS AND LumaWatt WIRELESS SENSOR
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4669.6 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 66.5
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: 25 FT

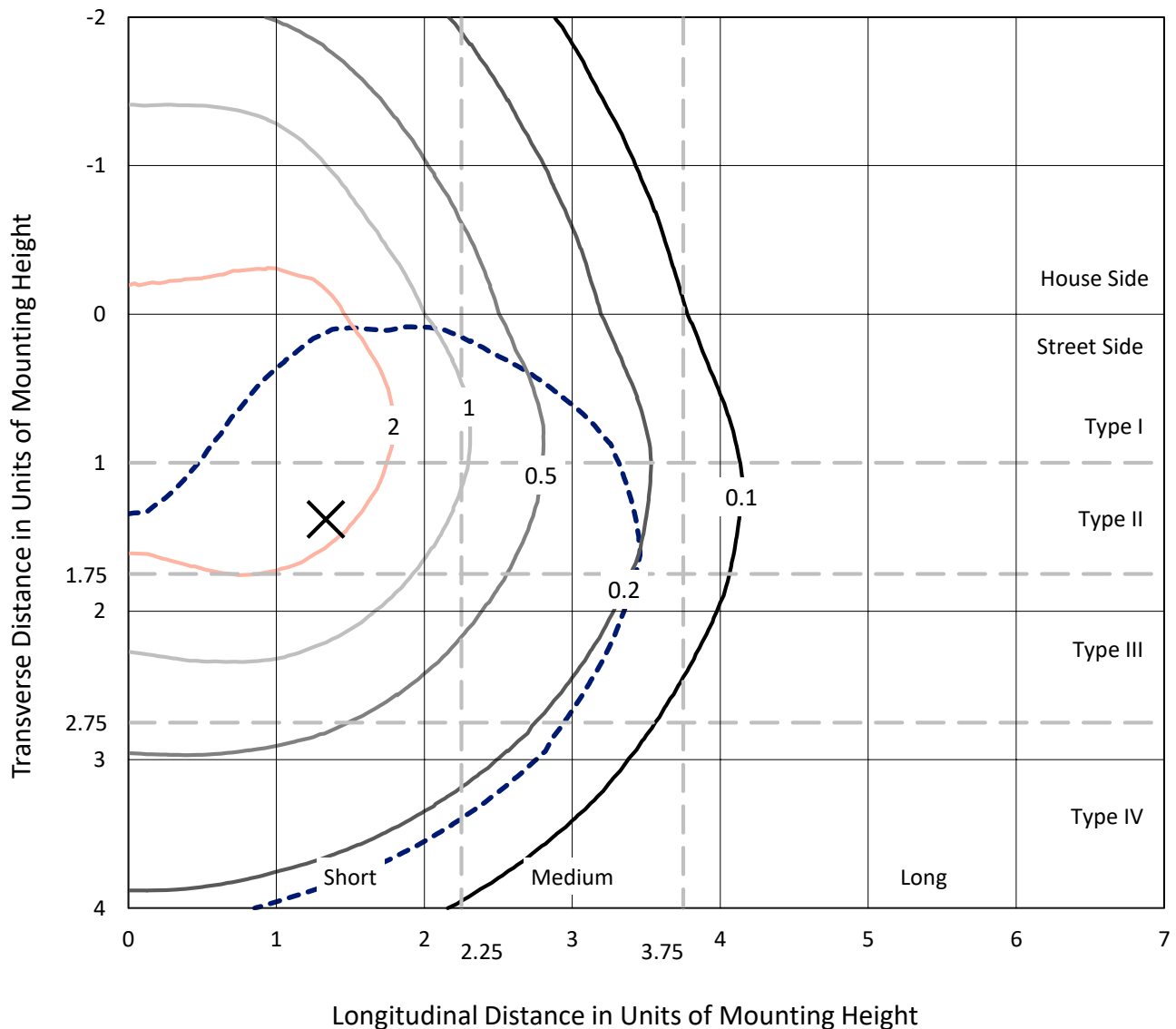


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

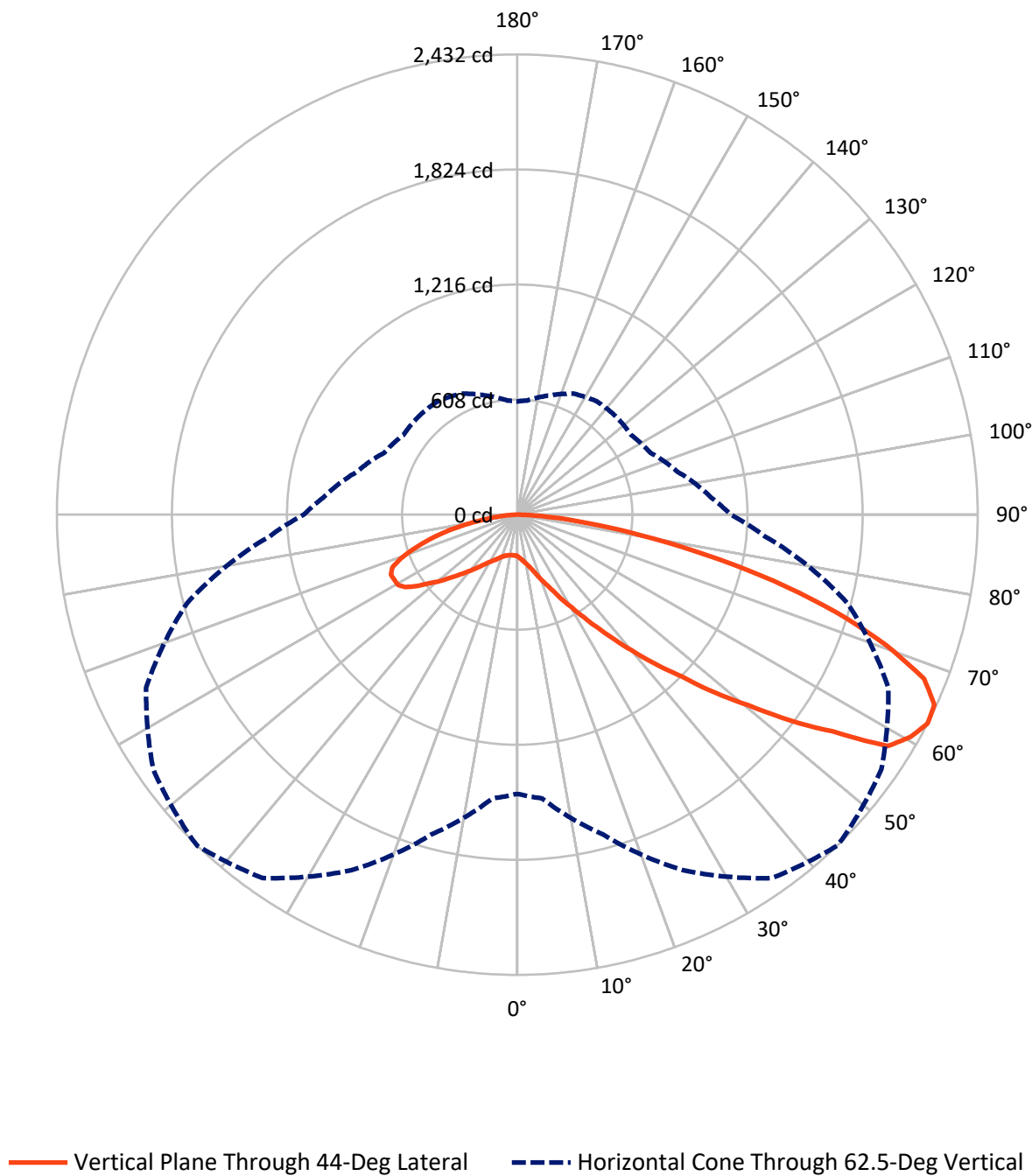


Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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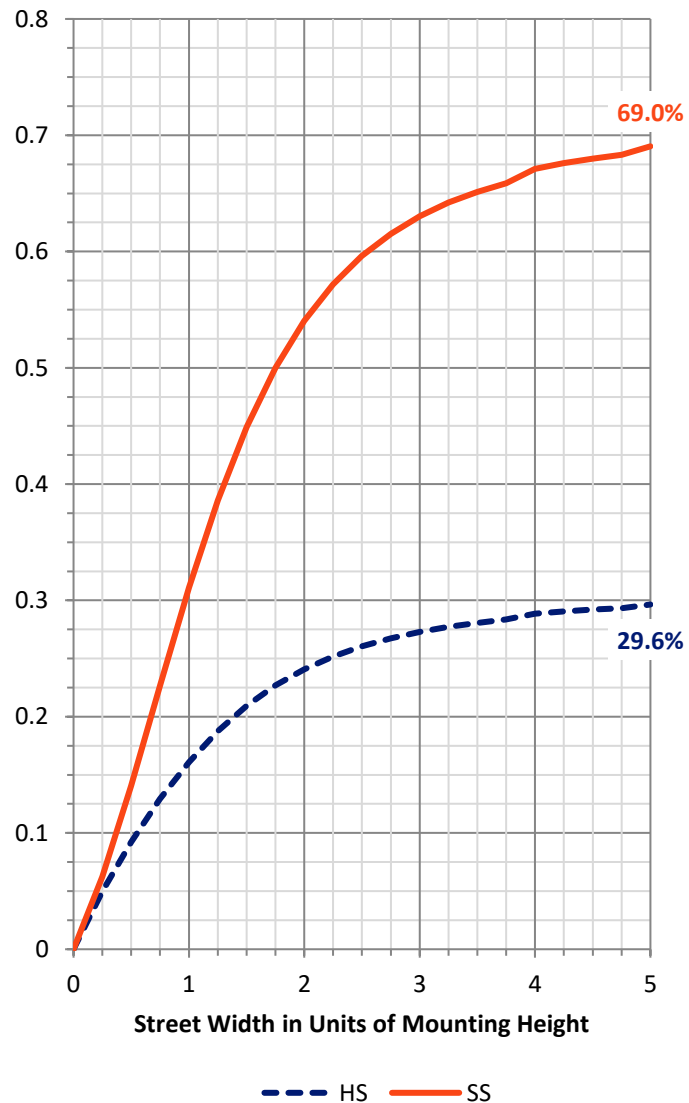
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1402.1	0.0	1402.1
	% Fixture	30.0	0.0	30.0
Street Side	Lumens	3267.4	0.0	3267.4
	% Fixture	70.0	0.0	70.0
Total	Lumens	4669.6	0.0	4669.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.1	0.5
10°-20°	76.0	1.6
20°-30°	164.5	3.5
30°-40°	324.7	7.0
40°-50°	614.0	13.1
50°-60°	1055.2	22.6
60°-70°	1323.9	28.4
70°-80°	904.2	19.4
80°-90°	185.0	4.0
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°	4669.6	100.0
0°-180°	4669.6	100.0

Coefficient of Utilization



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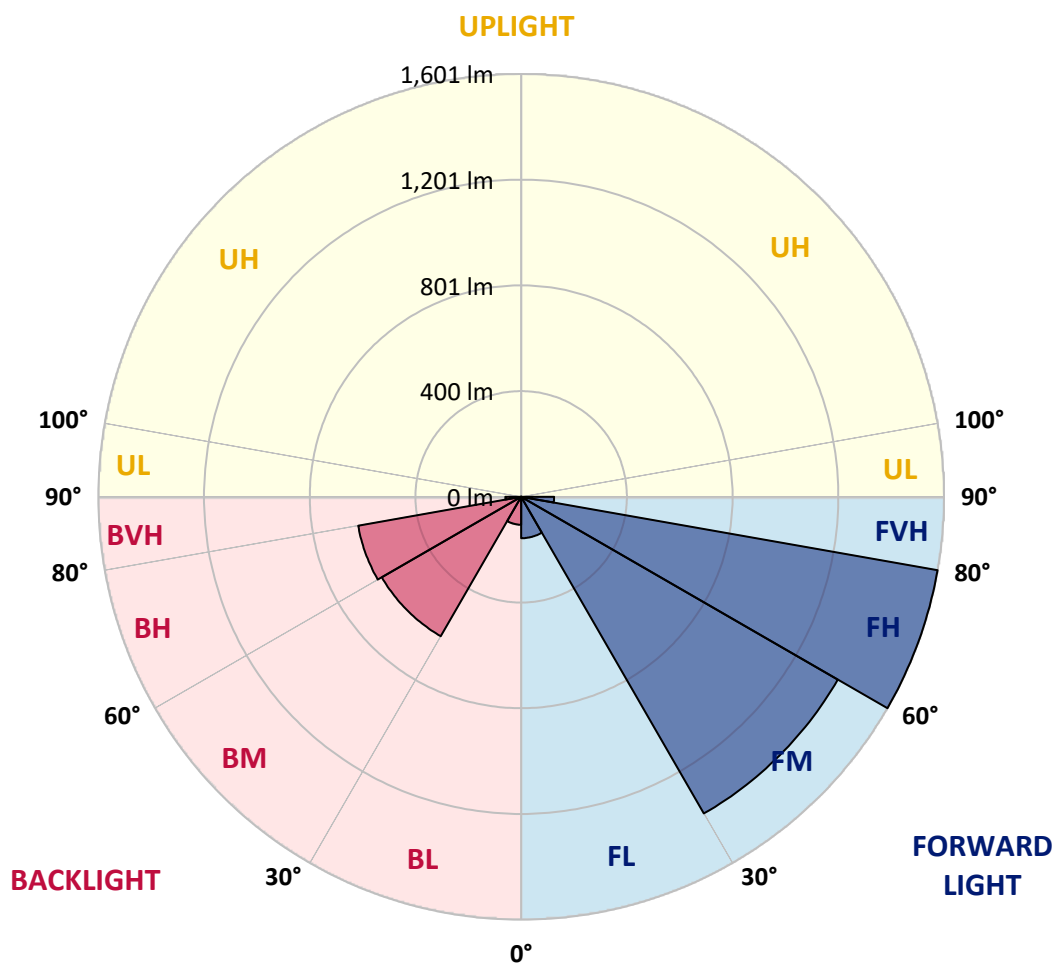
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	156.7	3.4			
FM	(30°-60°)	1384.5	29.6			
FH	(60°-80°)	1601.3	34.3			G1/1800
FVH	(80°-90°)	124.9	2.7			G2/225
BL	(0°-30°)	105.9	2.3	B0/110		
BM	(30°-60°)	609.4	13.0	B1/1000		
BH	(60°-80°)	626.8	13.4	B2/1000		G2/1000
BVH	(80°-90°)	60.1	1.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	219.2	219.2	219.2	219.2	219.2	219.2	219.2	219.2	219.2	219.2	219.2
2.5°	230.0	230.0	230.0	230.0	228.1	228.1	228.1	227.1	226.1	224.1	223.2
5°	241.8	242.8	241.8	240.8	238.9	237.9	236.9	235.9	233.0	230.0	227.1
7.5°	256.6	255.6	255.6	254.6	251.7	249.7	249.7	245.8	241.8	237.9	233.0
10°	272.3	273.3	273.3	270.3	268.4	264.4	264.4	258.5	253.6	247.7	241.8
12.5°	292.0	291.0	293.0	291.0	288.0	281.2	281.2	276.2	267.4	259.5	251.7
15°	316.5	316.5	317.5	313.6	310.6	303.8	305.7	293.0	285.1	276.2	263.5
17.5°	348.0	348.0	345.1	343.1	338.2	334.2	330.3	319.5	307.7	293.0	278.2
20°	383.4	384.4	379.5	379.5	373.6	368.6	365.7	352.9	335.2	315.6	296.9
22.5°	426.6	424.7	420.7	416.8	413.9	405.0	408.0	391.3	367.7	341.1	316.5
25°	461.1	464.0	464.0	467.0	462.0	452.2	455.2	434.5	407.0	375.5	341.1
27.5°	503.3	509.2	514.1	520.0	518.1	511.2	509.2	490.5	455.2	417.8	371.6
30°	549.5	558.4	562.3	573.1	576.1	570.2	569.2	550.5	516.1	460.1	409.9
32.5°	609.5	608.5	620.3	639.0	650.8	647.8	646.9	626.2	580.0	521.0	452.2
35°	667.5	669.5	683.2	711.7	730.4	736.3	735.3	713.7	667.5	593.8	508.2
37.5°	730.4	733.4	759.9	794.3	824.8	839.5	839.5	829.7	767.8	668.5	570.2
40°	792.3	806.1	836.6	880.8	931.9	956.5	955.5	939.8	882.8	771.7	635.1
42.5°	867.1	880.8	914.2	977.2	1041.1	1088.2	1088.2	1083.3	1011.6	892.6	729.4
45°	940.8	952.6	993.9	1073.5	1166.9	1221.9	1228.8	1246.5	1196.4	1029.3	838.5
47.5°	1019.4	1029.3	1082.3	1182.6	1299.6	1406.8	1413.6	1427.4	1346.8	1163.0	924.1
50°	1098.1	1102.0	1179.7	1314.3	1480.5	1582.7	1605.3	1632.9	1520.8	1324.2	1020.4
52.5°	1188.5	1190.5	1280.9	1453.0	1660.4	1809.8	1813.7	1833.4	1771.5	1521.8	1200.3
55°	1268.1	1271.1	1387.1	1608.3	1878.6	2022.2	2061.5	2118.5	1967.1	1654.5	1253.4
57.5°	1341.9	1353.7	1512.9	1796.0	2090.0	2307.2	2300.4	2297.4	2082.1	1707.6	1264.2
60°	1413.6	1435.3	1638.8	1948.4	2245.3	2385.9	2393.7	2337.7	2112.6	1729.2	1253.4
62.5°	1475.6	1505.1	1748.9	2073.3	2344.6	2432.1	2427.2	2347.5	2162.7	1804.9	1312.4
65°	1519.8	1560.1	1799.0	2126.4	2336.7	2421.3	2428.2	2385.9	2206.0	1808.8	1294.7
67.5°	1542.4	1599.4	1798.0	2091.0	2277.7	2318.1	2321.0	2243.3	2073.3	1712.5	1184.6
70°	1548.3	1585.7	1749.8	1961.2	2073.3	2069.3	2064.4	2006.4	1843.2	1527.7	1052.9
72.5°	1484.4	1517.8	1597.5	1727.2	1772.5	1762.6	1743.9	1679.1	1569.0	1313.4	897.5
75°	1343.8	1355.6	1358.6	1395.0	1396.9	1399.9	1378.2	1336.0	1258.3	1061.7	716.7
77.5°	1082.3	1100.0	1061.7	1020.4	1019.4	1015.5	1010.6	957.5	920.1	796.3	532.8
80°	788.4	780.5	749.1	701.9	670.4	660.6	654.7	640.0	617.4	545.6	370.6
82.5°	475.8	484.6	452.2	418.8	402.1	385.4	394.2	378.5	366.7	333.3	227.1
85°	213.3	213.3	206.4	197.6	183.8	184.8	186.8	180.9	173.0	156.3	109.1
87.5°	41.3	37.4	40.3	41.3	38.3	39.3	42.3	44.2	46.2	43.3	32.4
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°	219.2	219.2	219.2	219.2	219.2	219.2	219.2	219.2	219.2	219.2	219.2
2.5°	223.2	222.2	221.2	219.2	217.3	216.3	215.3	214.3	214.3	213.3	213.3
5°	226.1	225.1	223.2	221.2	219.2	216.3	214.3	213.3	211.4	211.4	211.4
7.5°	231.0	229.1	225.1	222.2	219.2	216.3	214.3	212.3	211.4	209.4	209.4
10°	237.9	235.0	230.0	224.1	220.2	217.3	214.3	212.3	211.4	210.4	210.4
12.5°	247.7	242.8	235.0	229.1	223.2	219.2	216.3	214.3	213.3	212.3	212.3
15°	257.6	252.6	242.8	234.0	227.1	223.2	219.2	218.2	216.3	216.3	216.3
17.5°	271.3	263.5	251.7	241.8	234.0	228.1	225.1	222.2	222.2	223.2	223.2
20°	287.1	278.2	263.5	250.7	241.8	235.9	233.0	231.0	230.0	231.0	232.0
22.5°	305.7	293.0	274.3	262.5	252.6	245.8	242.8	240.8	239.9	241.8	240.8
25°	324.4	311.6	290.0	274.3	262.5	257.6	254.6	253.6	251.7	253.6	252.6
27.5°	355.9	338.2	308.7	288.0	277.2	271.3	267.4	265.4	265.4	265.4	264.4
30°	383.4	362.7	328.3	307.7	292.0	285.1	281.2	280.2	280.2	281.2	280.2
32.5°	421.7	396.2	355.9	328.3	313.6	302.8	298.8	297.9	297.9	296.9	297.9
35°	470.9	440.4	387.3	354.9	335.2	325.4	321.5	320.5	317.5	317.5	317.5
37.5°	524.0	483.7	424.7	389.3	364.7	351.9	346.0	342.1	340.1	338.2	338.2
40°	582.0	535.8	469.9	423.7	398.1	381.4	370.6	364.7	361.8	358.8	356.9
42.5°	657.7	606.5	522.0	466.0	433.5	414.9	399.1	393.2	385.4	382.4	376.5
45°	757.0	692.1	586.9	524.0	476.8	450.2	434.5	421.7	411.9	407.0	402.1
47.5°	834.6	757.9	649.8	574.1	527.9	493.5	471.9	451.2	439.4	430.6	428.6
50°	913.3	832.7	716.7	626.2	575.1	544.6	516.1	490.5	468.9	459.1	461.1
52.5°	1065.6	968.3	806.1	697.0	625.2	590.8	561.3	529.9	505.3	489.6	490.5
55°	1108.9	1009.6	864.1	765.8	697.0	651.8	612.4	578.0	542.6	520.0	521.0
57.5°	1105.9	1007.6	869.0	784.5	739.3	706.8	670.4	623.3	582.0	552.5	548.5
60°	1091.2	991.9	860.2	774.7	741.2	733.4	714.7	671.4	615.4	582.0	575.1
62.5°	1127.6	1029.3	875.9	774.7	734.3	735.3	731.4	704.9	651.8	605.6	597.7
65°	1111.8	1005.7	866.1	781.5	747.1	739.3	737.3	711.7	675.4	623.3	616.4
67.5°	1018.4	926.0	799.2	724.5	709.8	716.7	726.5	709.8	673.4	634.1	625.2
70°	893.6	815.0	707.8	642.9	636.0	649.8	672.4	674.4	653.7	623.3	624.2
72.5°	754.0	691.1	600.6	556.4	548.5	561.3	589.8	603.6	604.6	593.8	592.8
75°	605.6	548.5	483.7	446.3	448.3	467.9	489.6	513.2	521.0	527.9	533.8
77.5°	451.2	420.7	365.7	341.1	346.0	367.7	381.4	396.2	412.9	420.7	426.6
80°	315.6	289.0	252.6	237.9	243.8	256.6	268.4	281.2	302.8	303.8	315.6
82.5°	197.6	179.9	161.2	156.3	157.3	162.2	176.0	183.8	193.7	196.6	194.6
85°	96.3	92.4	86.5	83.6	84.5	89.5	98.3	104.2	110.1	109.1	103.2
87.5°	30.5	31.5	32.4	33.4	33.4	36.4	39.3	39.3	41.3	40.3	40.3
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)