

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: STREETWORKS

Report Number: P156929

Luminaire Tested: **UTLD-E03-LED-E-U-5MQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156929
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33664)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-E03-LED-E-U-5MQ-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7713.4 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

Input Watts (W): 75.2
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: 28.75 FT

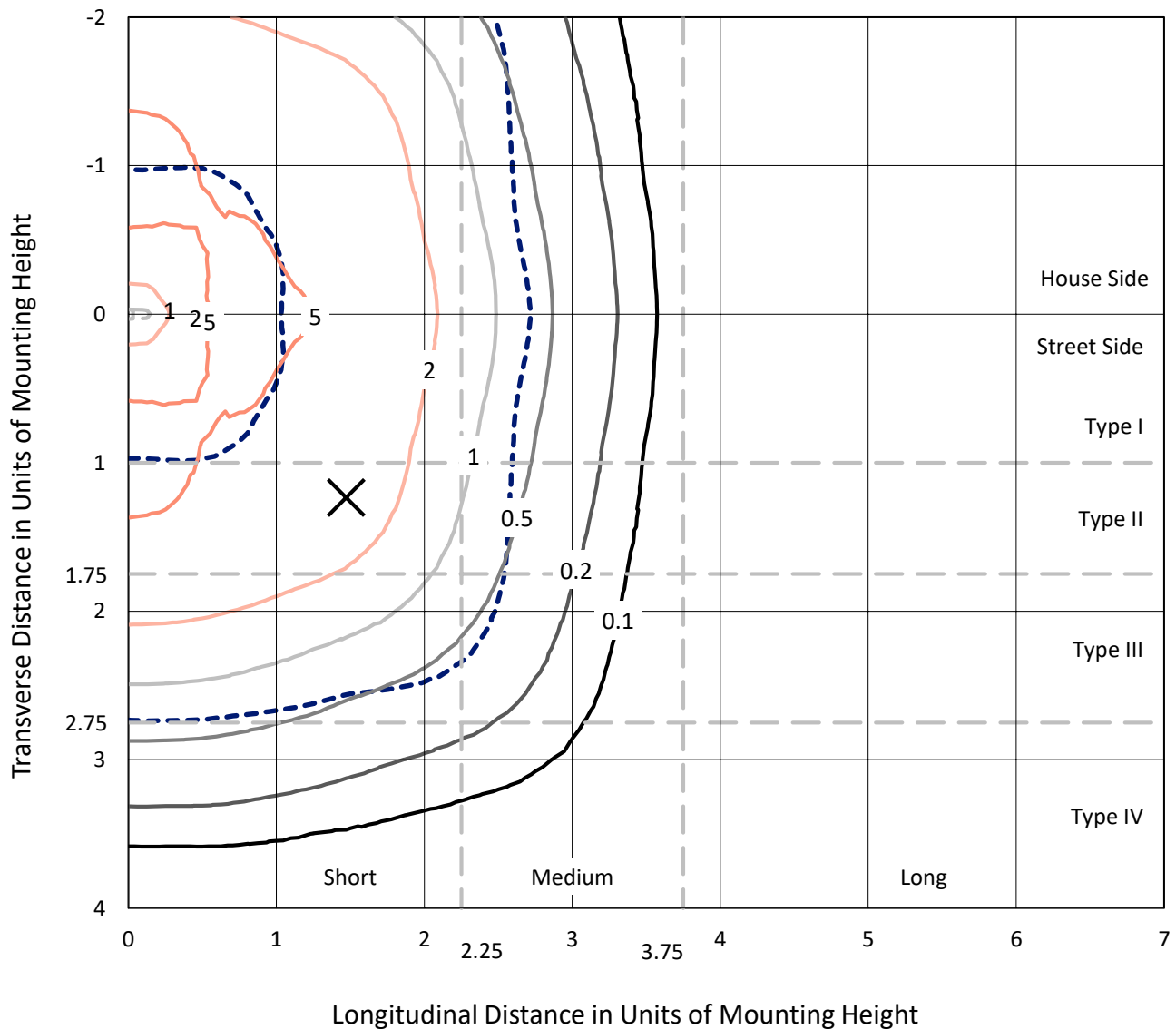


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

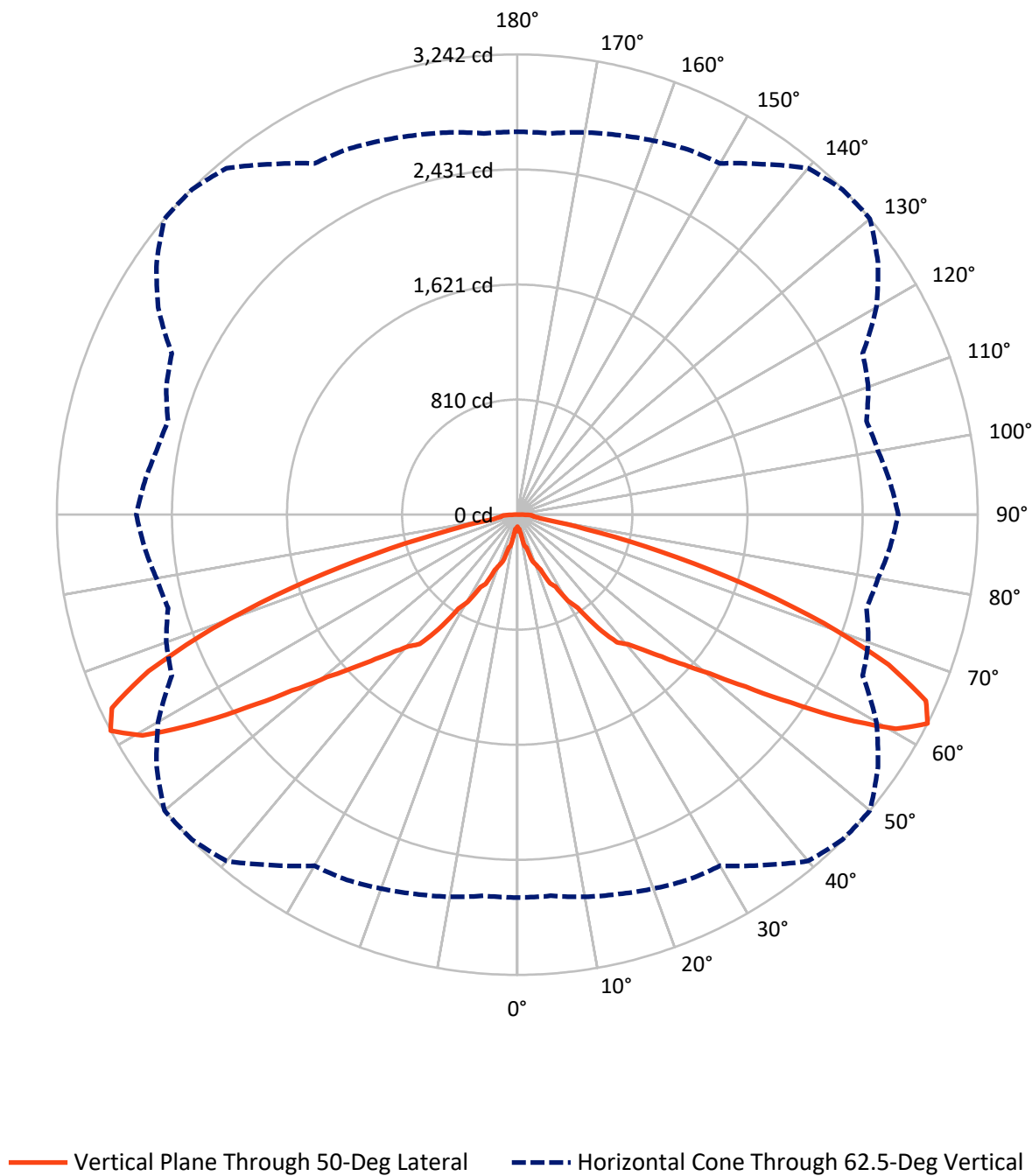


Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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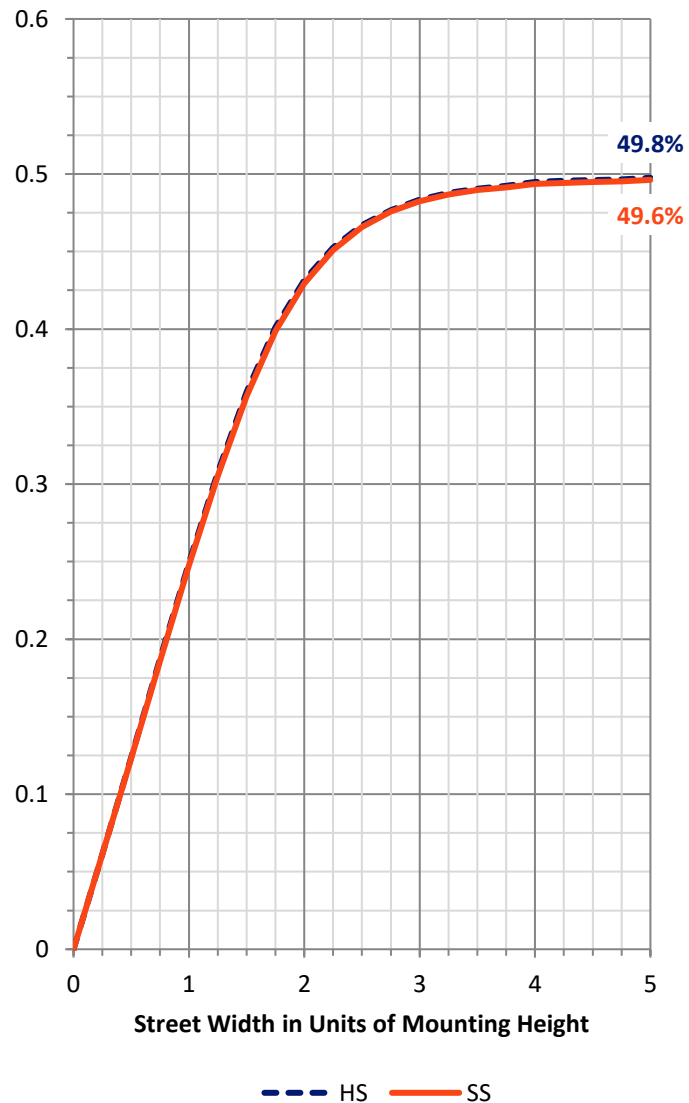
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3856.7	0.0	3856.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3856.7	0.0	3856.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	7713.4	0.0	7713.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.8	0.2
10°-20°	74.3	1.0
20°-30°	247.2	3.2
30°-40°	632.8	8.2
40°-50°	1172.8	15.2
50°-60°	2130.8	27.6
60°-70°	2511.7	32.6
70°-80°	823.8	10.7
80°-90°	108.0	1.4
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°	7713.4	100.0
0°-180°	7713.4	100.0

Coefficient of Utilization



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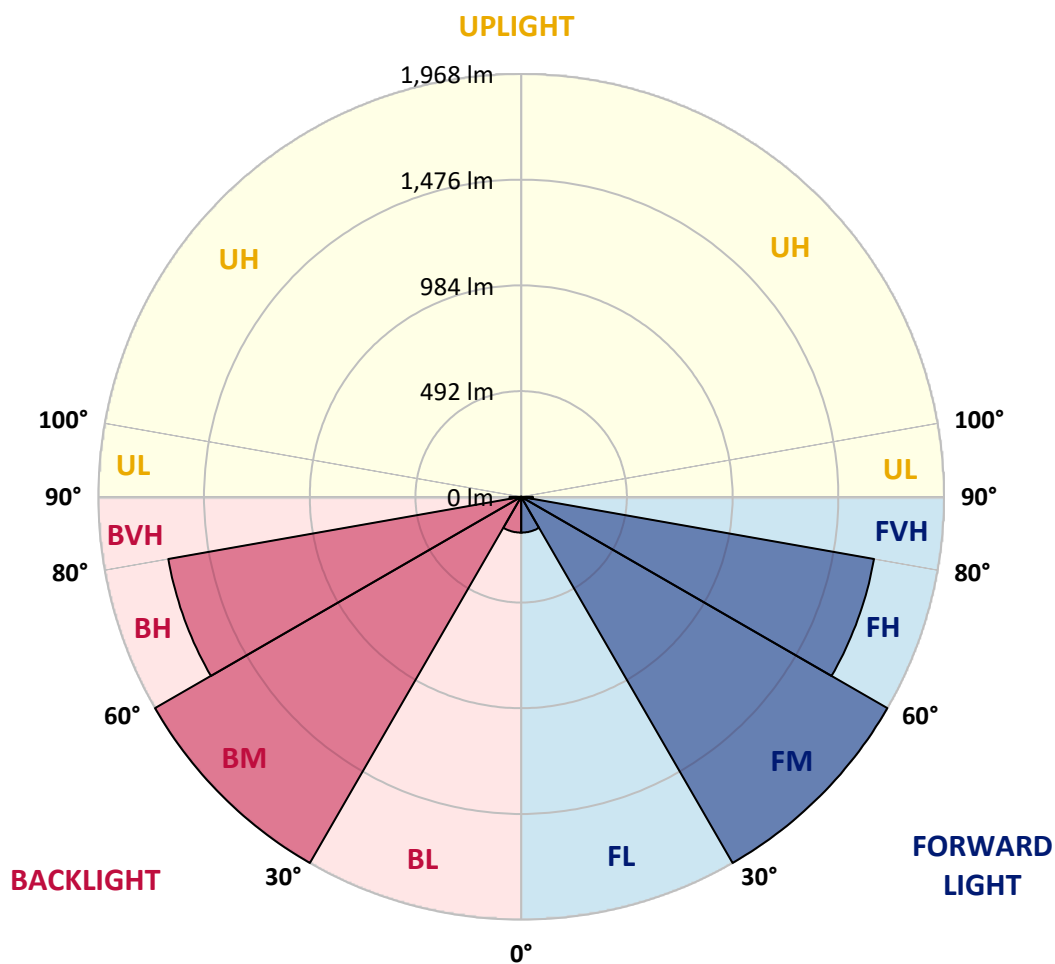
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	166.6	2.2			
FM	(30°-60°)	1968.2	25.5			
FH	(60°-80°)	1667.8	21.6			G1/1800
FVH	(80°-90°)	54.0	0.7			G1/100
BL	(0°-30°)	166.6	2.2	B1/500		
BM	(30°-60°)	1968.2	25.5	B2/2500		
BH	(60°-80°)	1667.8	21.6	B3/2500		G1/1800
BVH	(80°-90°)	54.0	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
2.5°	133.6	133.6	133.6	134.2	135.6	134.6	132.2	131.2	117.5	116.1	102.4
5°	97.9	98.3	99.0	98.6	99.0	101.7	100.0	101.7	99.3	102.8	119.2
7.5°	159.0	161.0	160.0	158.6	157.2	150.0	132.6	117.5	103.8	102.4	101.4
10°	170.6	171.2	170.6	169.9	169.6	169.6	168.9	163.7	162.0	158.2	135.3
12.5°	243.2	244.9	243.5	241.8	241.1	212.0	196.6	178.8	173.3	220.9	226.1
15°	257.6	260.3	257.6	255.8	255.2	251.0	247.6	286.0	282.2	240.8	239.4
17.5°	335.7	336.0	334.3	333.2	324.4	308.2	316.1	308.6	302.8	301.4	342.2
20°	384.3	378.1	366.5	349.0	339.1	378.1	382.6	371.2	344.6	362.0	376.1
22.5°	438.4	439.1	436.7	425.4	424.0	447.3	410.3	418.5	435.0	410.7	420.6
25°	541.2	540.8	532.6	494.2	486.7	478.1	477.1	488.7	463.8	499.7	535.7
27.5°	590.5	583.6	573.7	557.6	582.6	568.9	558.6	515.4	587.7	553.8	574.4
30°	722.7	718.6	699.7	689.5	683.0	636.7	619.6	659.3	641.8	648.7	704.2
32.5°	939.8	940.5	909.7	855.9	783.7	779.5	755.2	732.9	756.3	746.0	781.6
35°	1137.1	1111.1	1046.4	1027.2	989.1	972.0	946.4	910.8	927.5	922.4	981.6
37.5°	1225.5	1224.1	1188.5	1163.5	1147.0	1086.8	1067.9	1090.5	1076.2	1062.1	1141.2
40°	1414.6	1411.5	1372.8	1335.4	1297.1	1207.3	1178.2	1159.0	1144.0	1147.1	1200.2
42.5°	1530.4	1533.8	1492.3	1459.1	1399.5	1331.7	1284.4	1274.4	1248.8	1248.1	1300.5
45°	1660.5	1659.1	1628.6	1584.1	1523.1	1469.4	1405.0	1398.8	1376.2	1375.2	1426.5
47.5°	1809.8	1805.0	1779.6	1739.6	1684.1	1609.8	1558.4	1545.7	1529.0	1519.4	1580.3
50°	2013.2	2012.2	1981.1	1931.8	1886.8	1814.2	1751.2	1720.4	1713.5	1701.2	1761.2
52.5°	2281.8	2276.6	2261.6	2196.8	2156.4	2040.6	1975.2	1948.5	1959.5	1947.8	2012.2
55°	2572.9	2559.9	2553.4	2494.8	2464.0	2352.7	2276.6	2265.0	2277.3	2287.6	2336.9
57.5°	2804.4	2796.9	2806.8	2769.5	2726.0	2655.5	2581.1	2615.0	2652.8	2667.8	2713.0
60°	2853.8	2858.6	2880.1	2882.8	2876.0	2862.0	2814.4	2894.8	3002.1	3038.0	3063.7
62.5°	2696.9	2694.9	2733.6	2766.8	2803.4	2839.0	2855.8	3013.0	3185.0	3238.1	3241.8
65°	2419.5	2421.9	2469.1	2503.4	2548.6	2606.5	2705.5	2875.7	3110.3	3176.4	3162.7
67.5°	2050.2	2067.0	2104.7	2161.9	2202.0	2269.1	2386.6	2554.4	2777.4	2838.7	2820.2
70°	1598.8	1618.3	1658.1	1694.0	1753.6	1838.6	1907.8	2091.7	2269.5	2320.1	2291.4
72.5°	1007.6	1026.9	1093.6	1135.0	1190.9	1267.3	1336.8	1503.2	1667.0	1717.7	1665.3
75°	356.9	373.7	435.7	493.2	553.5	642.6	736.7	882.3	1051.5	1114.5	1040.2
77.5°	139.8	142.8	154.1	161.7	185.3	223.0	277.4	359.3	493.9	553.2	492.5
80°	122.6	128.5	135.3	139.7	140.1	137.7	135.3	142.1	171.9	192.2	167.5
82.5°	106.2	112.7	125.7	133.9	135.0	131.5	127.8	123.0	118.8	113.7	122.3
85°	78.1	94.5	112.7	123.7	125.7	122.9	121.6	116.5	107.9	97.6	110.6
87.5°	31.6	48.3	88.4	104.8	104.1	95.2	98.0	99.7	88.4	64.8	93.8
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
2.5°	103.4	93.5	89.8	85.3	84.2	83.2	83.2	82.9
5°	128.4	133.9	130.5	112.4	91.1	89.4	85.2	84.9
7.5°	101.7	101.4	116.4	128.8	119.9	90.1	89.1	88.4
10°	113.4	145.5	148.0	152.7	189.4	160.0	135.6	132.2
12.5°	220.9	181.9	158.9	163.8	174.7	189.4	144.9	139.0
15°	233.6	233.9	255.8	229.8	225.7	252.4	206.6	213.8
17.5°	298.0	295.6	294.6	248.3	243.2	241.8	248.0	232.9
20°	342.5	326.0	391.2	407.9	372.6	360.3	367.1	363.8
22.5°	458.9	470.2	437.4	434.7	427.1	469.6	481.6	463.8
25°	482.6	533.6	585.3	586.4	563.4	546.0	573.1	550.1
27.5°	634.3	622.0	639.5	626.4	691.2	674.1	672.7	649.4
30°	688.1	713.8	751.1	747.0	769.3	758.6	747.3	786.4
32.5°	816.6	817.6	850.1	930.9	963.1	988.5	968.6	979.6
35°	998.1	1051.8	1067.6	1062.4	1069.6	1102.6	1077.2	1076.8
37.5°	1146.7	1146.4	1137.8	1125.5	1142.6	1167.2	1172.1	1150.2
40°	1218.0	1217.2	1222.0	1230.0	1256.6	1272.1	1298.8	1262.5
42.5°	1317.6	1312.5	1331.0	1350.8	1373.8	1388.8	1429.3	1389.8
45°	1447.4	1444.7	1460.1	1475.2	1494.4	1501.9	1556.0	1557.7
47.5°	1596.1	1603.3	1583.7	1600.2	1620.7	1637.5	1704.3	1713.9
50°	1775.2	1792.3	1745.8	1759.8	1785.8	1823.5	1875.6	1912.6
52.5°	2026.3	2015.0	1979.3	1968.7	2020.8	2087.9	2139.3	2199.6
55°	2351.3	2311.9	2272.2	2252.6	2310.2	2399.9	2452.4	2530.5
57.5°	2705.4	2637.6	2532.5	2547.5	2576.0	2650.3	2678.4	2801.0
60°	2989.1	2876.3	2712.6	2674.6	2664.4	2704.1	2781.1	2842.8
62.5°	3099.7	2919.9	2683.6	2630.1	2545.2	2579.8	2634.2	2682.5
65°	2976.7	2744.8	2508.9	2413.3	2315.7	2348.9	2377.7	2407.8
67.5°	2643.1	2416.7	2198.9	2068.7	1980.7	1983.8	2022.5	2020.1
70°	2152.3	1933.4	1750.2	1643.0	1555.0	1539.2	1561.2	1579.6
72.5°	1512.8	1335.4	1200.8	1098.4	1003.6	995.3	971.0	995.3
75°	870.0	700.1	591.8	484.6	387.7	367.8	334.3	339.8
77.5°	356.9	249.7	193.2	156.2	143.9	140.4	142.5	141.1
80°	144.6	132.5	129.8	129.5	131.9	133.6	134.3	128.1
82.5°	129.1	128.8	126.7	125.7	126.4	127.1	118.8	113.8
85°	120.9	120.6	118.2	116.5	116.8	113.0	101.1	89.8
87.5°	107.6	101.4	96.9	102.8	104.8	96.3	64.4	52.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)