

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: P156930

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156930
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
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8445.1 lumens
Efficiency: N/A
Efficacy: 112.3 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 - G2

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

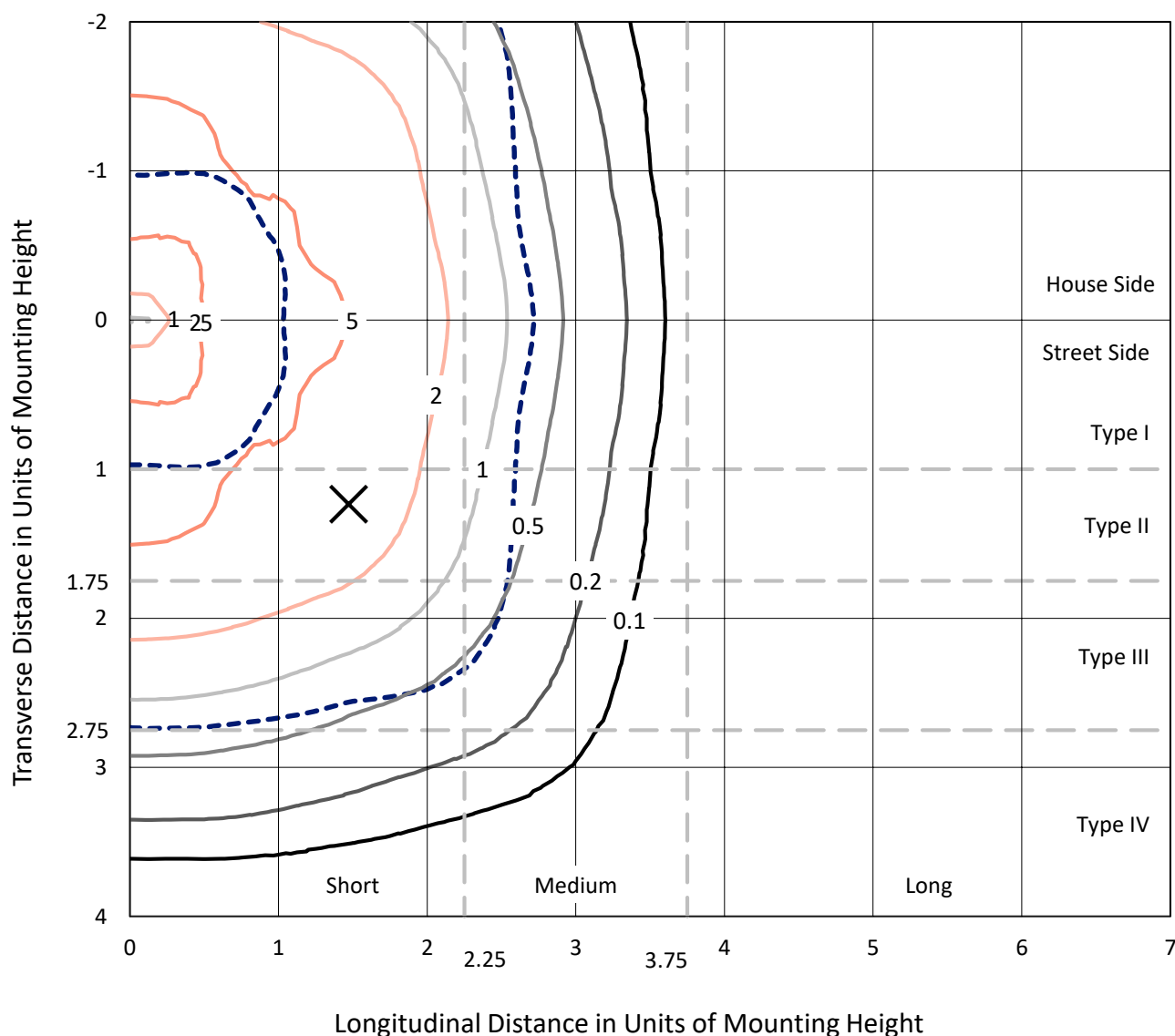


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

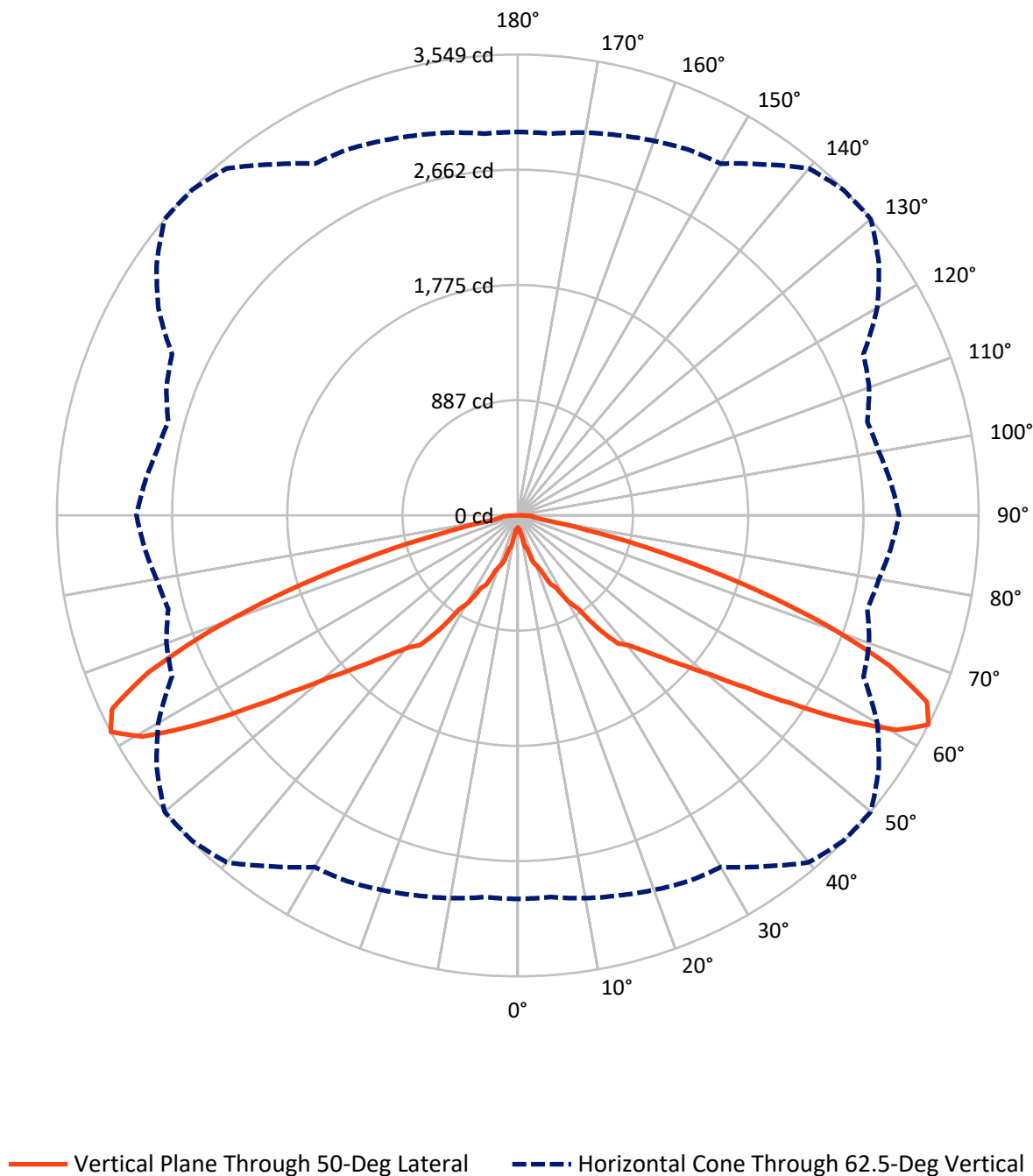


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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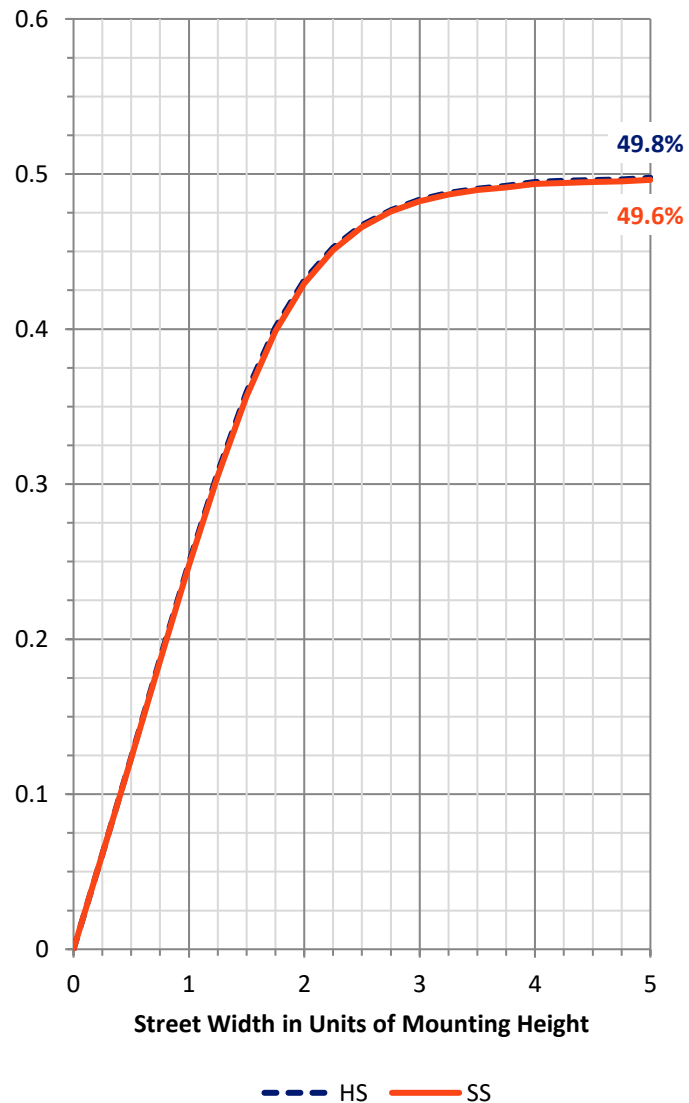
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4222.6	0.0	4222.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4222.6	0.0	4222.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	8445.1	0.0	8445.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.9	0.2
10°-20°	81.3	1.0
20°-30°	270.7	3.2
30°-40°	692.9	8.2
40°-50°	1284.0	15.2
50°-60°	2333.0	27.6
60°-70°	2750.0	32.6
70°-80°	902.0	10.7
80°-90°	118.3	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°	8445.1	100.0
0°-180°	8445.1	100.0

Coefficient of Utilization



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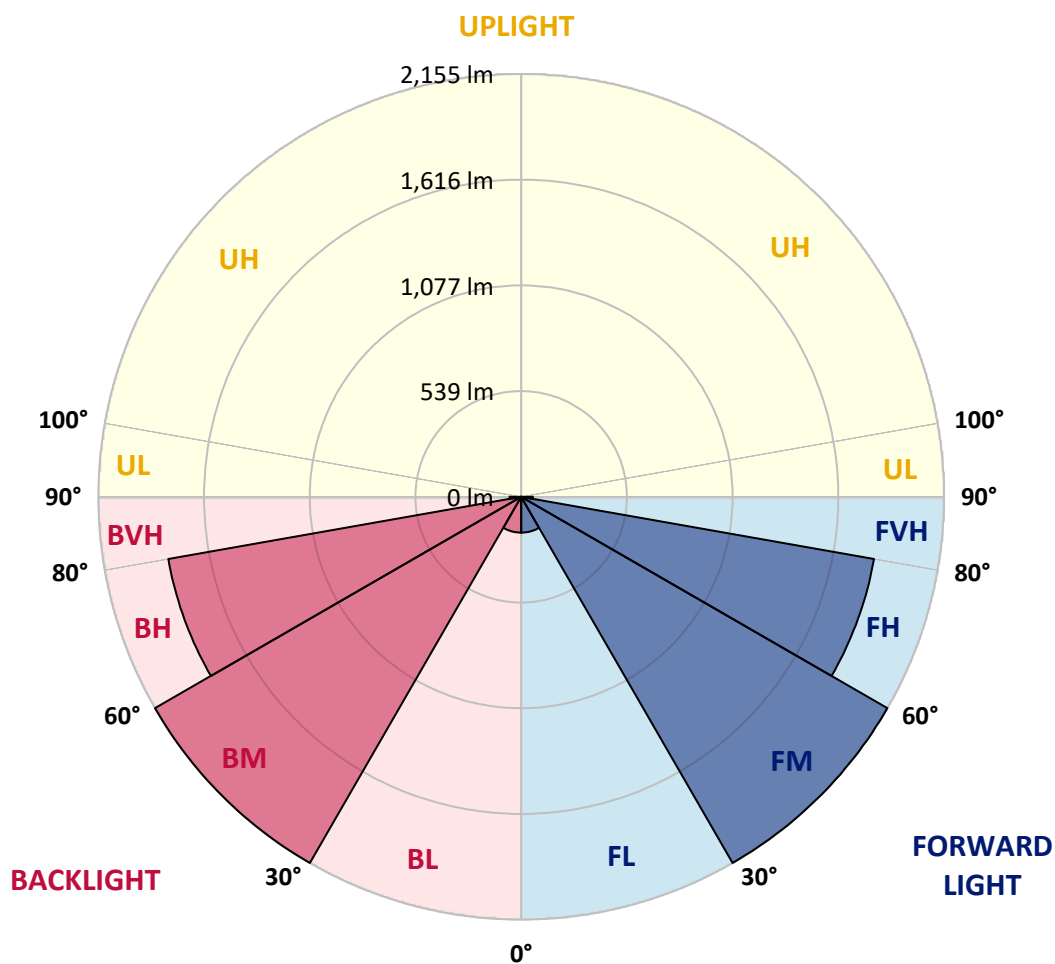
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	182.5	2.2			
FM	(30°-60°)	2154.9	25.5			
FH	(60°-80°)	1826.0	21.6			G2/5000
FVH	(80°-90°)	59.1	0.7			G1/100
BL	(0°-30°)	182.5	2.2	B1/500		
BM	(30°-60°)	2154.9	25.5	B2/2500		
BH	(60°-80°)	1826.0	21.6	B3/2500		G2/5000
BVH	(80°-90°)	59.1	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
2.5°	146.2	146.2	146.2	147.0	148.5	147.4	144.8	143.6	128.6	127.1	112.1
5°	107.2	107.6	108.4	108.0	108.4	111.4	109.5	111.4	108.8	112.5	130.5
7.5°	174.0	176.2	175.1	173.6	172.1	164.2	145.1	128.6	113.6	112.1	111.0
10°	186.8	187.5	186.8	186.0	185.6	185.6	184.9	179.2	177.4	173.2	148.1
12.5°	266.2	268.1	266.6	264.8	264.0	232.1	215.2	195.8	189.8	241.9	247.5
15°	282.0	285.0	282.0	280.1	279.4	274.9	271.1	313.1	309.0	263.6	262.1
17.5°	367.5	367.9	366.0	364.9	355.1	337.5	346.1	337.9	331.5	330.0	374.6
20°	420.8	414.0	401.2	382.1	371.2	414.0	418.9	406.5	377.2	396.4	411.8
22.5°	480.0	480.8	478.1	465.8	464.2	489.8	449.2	458.2	476.2	449.6	460.5
25°	592.5	592.1	583.1	541.1	532.9	523.5	522.4	535.1	507.8	547.1	586.5
27.5°	646.5	639.0	628.1	610.5	637.9	622.9	611.6	564.4	643.5	606.4	628.9
30°	791.2	786.8	766.1	754.9	747.8	697.1	678.4	721.9	702.8	710.2	771.0
32.5°	1029.0	1029.8	996.0	937.1	858.0	853.5	826.9	802.5	828.0	816.8	855.8
35°	1245.0	1216.5	1145.6	1124.6	1083.0	1064.2	1036.1	997.1	1015.5	1009.9	1074.8
37.5°	1341.8	1340.2	1301.2	1273.9	1255.9	1189.9	1169.2	1194.0	1178.2	1162.9	1249.5
40°	1548.8	1545.4	1503.0	1462.1	1420.1	1321.9	1290.0	1269.0	1252.5	1255.9	1314.0
42.5°	1675.5	1679.2	1633.9	1597.5	1532.2	1458.0	1406.2	1395.4	1367.2	1366.5	1423.9
45°	1818.0	1816.5	1783.1	1734.4	1667.6	1608.8	1538.2	1531.5	1506.8	1505.6	1561.9
47.5°	1981.5	1976.2	1948.5	1904.6	1843.9	1762.5	1706.2	1692.4	1674.0	1663.5	1730.2
50°	2204.2	2203.1	2169.0	2115.0	2065.9	1986.4	1917.4	1883.6	1876.1	1862.6	1928.2
52.5°	2498.2	2492.6	2476.1	2405.2	2361.0	2234.2	2162.6	2133.4	2145.4	2132.6	2203.1
55°	2817.0	2802.8	2795.6	2731.5	2697.8	2575.9	2492.6	2479.9	2493.4	2504.6	2558.6
57.5°	3070.5	3062.2	3073.1	3032.2	2984.6	2907.4	2826.0	2863.1	2904.4	2920.9	2970.4
60°	3124.5	3129.8	3153.4	3156.4	3148.9	3133.5	3081.4	3169.5	3286.9	3326.2	3354.4
62.5°	2952.8	2950.5	2992.9	3029.2	3069.4	3108.4	3126.8	3298.9	3487.1	3545.2	3549.4
65°	2649.0	2651.6	2703.4	2740.9	2790.4	2853.8	2962.1	3148.5	3405.4	3477.8	3462.8
67.5°	2244.8	2263.1	2304.4	2367.0	2410.9	2484.4	2613.0	2796.8	3040.9	3108.0	3087.8
70°	1750.5	1771.9	1815.4	1854.8	1920.0	2013.0	2088.8	2290.1	2484.8	2540.2	2508.8
72.5°	1103.2	1124.2	1197.4	1242.8	1303.9	1387.5	1463.6	1645.9	1825.1	1880.6	1823.2
75°	390.8	409.1	477.0	540.0	606.0	703.5	806.6	966.0	1151.2	1220.2	1138.9
77.5°	153.0	156.4	168.8	177.0	202.9	244.1	303.8	393.4	540.8	605.6	539.2
80°	134.2	140.6	148.1	153.0	153.4	150.8	148.1	155.6	188.2	210.4	183.4
82.5°	116.2	123.4	137.6	146.6	147.8	144.0	139.9	134.6	130.1	124.5	133.9
85°	85.5	103.5	123.4	135.4	137.6	134.6	133.1	127.5	118.1	106.9	121.1
87.5°	34.5	52.9	96.8	114.8	114.0	104.2	107.2	109.1	96.8	70.9	102.8
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°	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
2.5°	113.2	102.4	98.2	93.4	92.2	91.1	91.1	90.8
5°	140.6	146.6	142.9	123.0	99.8	97.9	93.4	93.0
7.5°	111.4	111.0	127.5	141.0	131.2	98.6	97.5	96.8
10°	124.1	159.4	162.0	167.2	207.4	175.1	148.5	144.8
12.5°	241.9	199.1	174.0	179.2	191.2	207.4	158.6	152.2
15°	255.8	256.1	280.1	251.6	247.1	276.4	226.1	234.0
17.5°	326.2	323.6	322.5	271.9	266.2	264.8	271.5	255.0
20°	375.0	357.0	428.2	446.6	408.0	394.5	402.0	398.2
22.5°	502.5	514.9	478.9	475.9	467.6	514.1	527.2	507.8
25°	528.4	584.2	640.9	642.0	616.9	597.8	627.4	602.2
27.5°	694.5	681.0	700.1	685.9	756.8	738.0	736.5	711.0
30°	753.4	781.5	822.4	817.9	842.2	830.6	818.2	861.0
32.5°	894.0	895.1	930.8	1019.2	1054.5	1082.2	1060.5	1072.5
35°	1092.8	1151.6	1168.9	1163.2	1171.1	1207.1	1179.4	1179.0
37.5°	1255.5	1255.1	1245.8	1232.2	1251.0	1278.0	1283.2	1259.2
40°	1333.5	1332.8	1338.0	1346.6	1375.9	1392.8	1422.0	1382.2
42.5°	1442.6	1437.0	1457.2	1479.0	1504.1	1520.6	1564.9	1521.8
45°	1584.8	1581.8	1598.6	1615.1	1636.1	1644.4	1703.6	1705.5
47.5°	1747.5	1755.4	1734.0	1752.0	1774.5	1792.9	1866.0	1876.5
50°	1943.6	1962.4	1911.4	1926.8	1955.2	1996.5	2053.5	2094.0
52.5°	2218.5	2206.1	2167.1	2155.5	2212.5	2286.0	2342.2	2408.2
55°	2574.4	2531.2	2487.8	2466.4	2529.4	2627.6	2685.0	2770.5
57.5°	2962.1	2887.9	2772.8	2789.2	2820.4	2901.8	2932.5	3066.8
60°	3272.6	3149.2	2970.0	2928.4	2917.1	2960.6	3045.0	3112.5
62.5°	3393.8	3196.9	2938.1	2879.6	2786.6	2824.5	2884.1	2937.0
65°	3259.1	3005.2	2746.9	2642.2	2535.4	2571.8	2603.2	2636.2
67.5°	2893.9	2646.0	2407.5	2265.0	2168.6	2172.0	2214.4	2211.8
70°	2356.5	2116.9	1916.2	1798.9	1702.5	1685.2	1709.2	1729.5
72.5°	1656.4	1462.1	1314.8	1202.6	1098.8	1089.8	1063.1	1089.8
75°	952.5	766.5	648.0	530.6	424.5	402.8	366.0	372.0
77.5°	390.8	273.4	211.5	171.0	157.5	153.8	156.0	154.5
80°	158.2	145.1	142.1	141.8	144.4	146.2	147.0	140.2
82.5°	141.4	141.0	138.8	137.6	138.4	139.1	130.1	124.5
85°	132.4	132.0	129.4	127.5	127.9	123.8	110.6	98.2
87.5°	117.8	111.0	106.1	112.5	114.8	105.4	70.5	57.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)