

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: P157120

Luminaire Tested: **UTLD-E01-LED-E-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P157120
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33661)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-E01-LED-E-U-T2
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2677.8 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 24.7
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

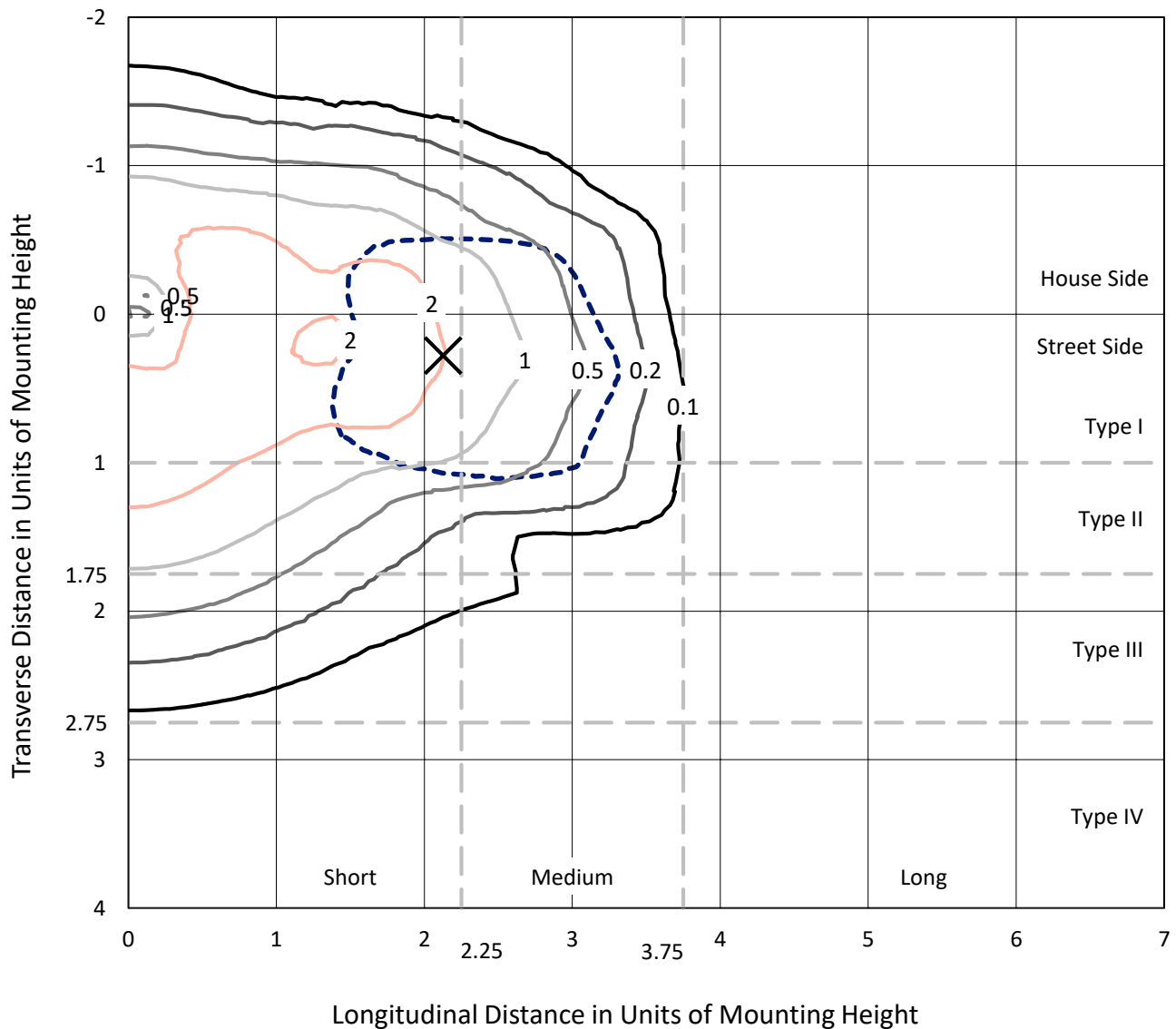


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

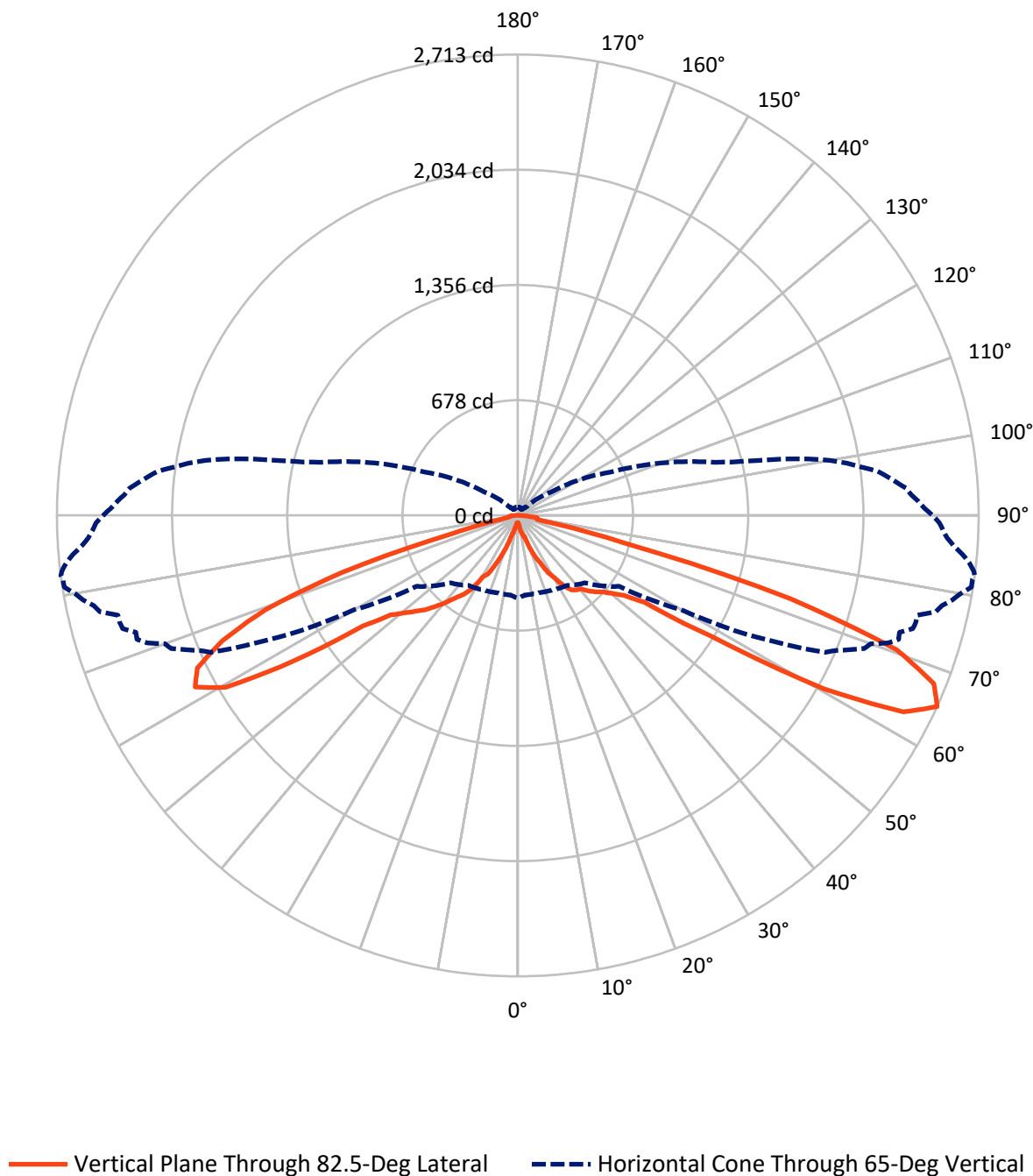


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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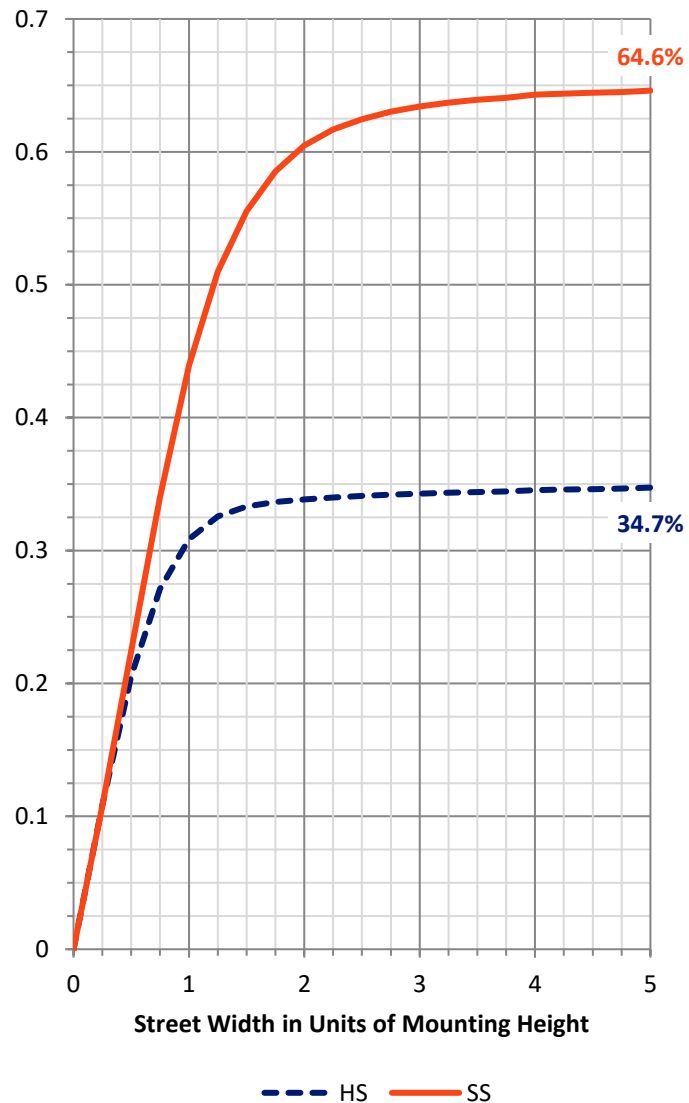
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	943.7	0.0	943.7
	% Fixture	35.2	0.0	35.2
Street Side	Lumens	1734.1	0.0	1734.1
	% Fixture	64.8	0.0	64.8
Total	Lumens	2677.8	0.0	2677.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.1	0.2
10°-20°	39.5	1.5
20°-30°	132.3	4.9
30°-40°	292.1	10.9
40°-50°	461.6	17.2
50°-60°	654.8	24.5
60°-70°	779.1	29.1
70°-80°	263.4	9.8
80°-90°	48.9	1.8
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°	2677.8	100.0
0°-180°	2677.8	100.0

Coefficient of Utilization



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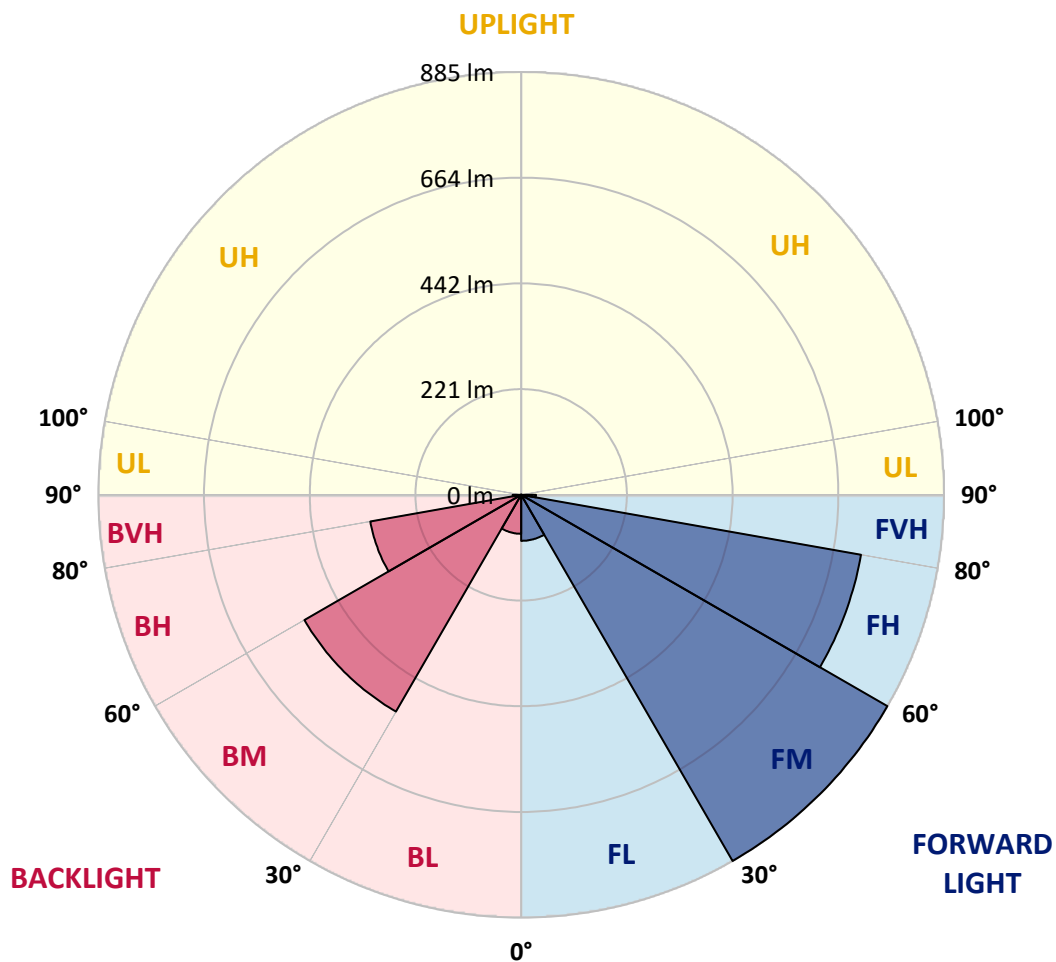
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	96.3	3.6			
FM	(30°-60°)	884.8	33.0			
FH	(60°-80°)	722.0	27.0			G1/1800
FVH	(80°-90°)	31.0	1.2			G1/100
BL	(0°-30°)	81.6	3.0	B0/110		
BM	(30°-60°)	523.7	19.6	B1/1000		
BH	(60°-80°)	320.5	12.0	B1/500		G1/500
BVH	(80°-90°)	17.9	0.7			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	61°	62°	64°
0°	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
2.5°	61.0	61.0	61.0	64.0	71.5	71.5	71.0	71.5	70.5	69.5	68.0
5°	63.5	65.0	64.0	63.5	62.5	62.0	61.5	61.0	61.0	62.0	64.5
7.5°	97.0	97.5	97.0	98.0	95.0	68.5	64.0	63.5	65.0	65.5	64.5
10°	115.5	108.0	105.5	103.5	101.0	96.5	96.0	93.5	92.5	92.0	89.5
12.5°	147.5	147.5	146.5	140.0	133.5	130.0	133.0	126.0	125.0	122.0	113.0
15°	194.5	194.0	161.0	153.5	172.5	164.0	138.5	146.5	154.5	153.5	154.0
17.5°	208.0	208.0	205.5	197.5	186.0	174.5	187.5	164.0	163.5	164.0	166.5
20°	258.0	258.0	248.0	230.5	220.0	208.5	201.0	219.5	213.5	209.0	205.5
22.5°	260.0	260.0	253.0	266.5	248.0	237.0	257.0	261.0	266.0	266.5	261.0
25°	300.5	301.0	294.0	274.0	277.0	271.5	282.5	309.5	309.5	305.0	318.0
27.5°	343.0	343.5	300.0	308.5	298.5	318.5	348.0	361.5	351.5	355.0	356.0
30°	363.0	363.5	361.0	358.0	346.0	354.0	369.0	381.5	388.0	412.0	404.5
32.5°	448.0	448.5	432.5	395.5	402.5	417.5	424.0	427.0	434.5	438.5	438.5
35°	549.0	547.5	518.5	486.0	465.0	462.0	470.0	495.5	508.5	496.0	501.5
37.5°	630.0	623.0	590.5	569.5	547.0	541.0	547.5	544.0	545.0	529.0	529.0
40°	686.0	686.5	668.5	650.5	616.5	627.0	609.0	604.0	590.5	587.5	574.5
42.5°	745.0	747.5	724.5	702.0	670.0	698.5	682.5	675.0	645.0	653.5	637.0
45°	806.5	808.5	782.0	751.0	723.0	766.5	763.0	750.5	735.0	736.5	719.0
47.5°	852.0	856.0	826.0	789.5	770.5	822.0	839.5	838.5	836.5	822.5	815.5
50°	878.5	881.0	848.0	821.0	797.5	863.5	918.5	927.5	943.5	916.0	934.5
52.5°	887.0	888.5	855.5	826.0	803.5	886.5	978.5	1028.0	1039.5	1034.5	1063.5
55°	863.5	865.5	841.0	814.5	794.5	890.0	1026.5	1123.0	1130.0	1144.5	1202.5
57.5°	825.0	824.0	819.0	791.0	789.0	887.0	1066.5	1244.0	1248.0	1318.5	1422.5
60°	775.5	777.5	775.0	760.5	769.5	855.0	1058.0	1312.0	1358.5	1467.0	1631.5
62.5°	698.0	701.5	691.0	671.0	678.0	744.5	958.0	1280.5	1389.0	1530.0	1730.0
65°	488.0	470.5	471.5	483.5	504.0	561.0	728.0	1109.0	1280.0	1444.5	1708.0
67.5°	281.0	286.0	285.5	297.5	322.5	367.5	465.5	742.5	897.0	1088.0	1419.0
70°	216.0	216.0	223.0	239.0	254.5	306.5	334.5	402.0	473.0	601.5	908.5
72.5°	162.5	162.0	168.5	183.5	214.5	280.5	391.5	278.0	287.5	312.5	491.5
75°	94.5	92.0	94.5	105.0	131.0	209.5	396.0	309.5	295.5	277.5	309.0
77.5°	49.0	49.0	51.5	54.0	67.0	107.5	285.5	378.0	366.0	335.5	315.0
80°	28.0	29.0	31.0	31.0	32.5	44.5	124.0	370.0	408.5	418.0	410.0
82.5°	14.0	16.0	22.0	22.0	21.5	22.5	46.5	217.0	295.5	366.5	494.0
85°	8.0	8.5	14.5	16.0	15.5	13.5	21.5	97.0	130.0	189.0	282.5
87.5°	3.0	4.5	7.0	8.0	9.0	7.0	12.5	27.5	37.0	51.0	62.5
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):

	65°	66°	67°	68°	69°	70°	71°	72°	73°	74°	75°
0°	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
2.5°	68.0	65.5	66.5	64.0	59.5	57.5	57.0	56.5	56.0	53.0	53.0
5°	66.5	67.0	68.5	69.0	69.0	69.5	70.5	70.0	70.5	69.5	69.0
7.5°	63.5	62.0	60.5	59.5	59.5	59.5	59.5	60.0	62.0	65.0	66.5
10°	89.0	89.0	89.5	88.5	90.0	89.5	89.5	89.0	89.0	89.5	89.5
12.5°	99.0	96.0	95.5	94.5	95.0	94.5	95.0	97.5	97.0	97.5	96.5
15°	157.0	156.5	156.0	153.5	145.5	138.5	137.0	136.0	130.5	128.5	127.5
17.5°	166.0	163.5	166.0	165.0	162.5	160.0	158.0	154.0	142.5	142.5	141.0
20°	209.0	215.0	217.0	228.0	226.5	230.5	230.5	229.0	229.5	228.0	222.0
22.5°	254.0	248.0	244.5	250.0	251.0	248.5	254.0	253.0	265.5	259.5	276.5
25°	319.5	332.5	340.5	333.0	329.5	331.0	335.5	330.0	333.0	331.0	332.0
27.5°	356.5	363.0	358.5	358.0	360.0	361.5	355.0	355.0	354.5	367.0	379.0
30°	415.0	409.5	409.5	412.5	417.0	417.0	411.5	410.0	415.5	410.5	416.5
32.5°	437.0	434.0	444.5	479.0	480.5	473.5	474.0	480.5	481.0	488.0	489.0
35°	495.5	504.0	510.0	511.5	505.5	505.0	511.5	515.0	522.0	522.5	528.5
37.5°	535.0	538.5	539.0	537.0	528.0	534.0	537.5	542.0	542.0	547.0	544.5
40°	579.0	580.5	580.0	564.0	561.5	568.5	570.5	569.0	568.5	569.5	567.5
42.5°	636.5	633.5	618.5	606.5	609.0	609.0	606.0	599.0	602.5	595.0	591.5
45°	711.5	704.0	680.0	669.5	670.0	660.5	649.0	647.5	638.0	629.0	637.5
47.5°	813.0	789.5	766.0	756.5	746.5	731.5	712.0	704.5	690.0	682.0	683.0
50°	934.5	899.5	884.0	886.0	866.0	838.0	822.0	799.0	772.5	770.0	759.0
52.5°	1054.0	1035.0	1039.5	1038.0	1013.5	987.5	973.5	955.5	926.5	913.5	882.5
55°	1177.5	1187.0	1213.5	1212.5	1200.5	1197.0	1190.0	1174.5	1179.0	1146.0	1107.5
57.5°	1413.5	1461.0	1524.5	1549.0	1546.5	1556.5	1581.0	1607.5	1628.0	1602.0	1606.0
60°	1696.0	1796.0	1890.5	1932.5	2003.5	2036.5	2091.5	2163.0	2211.5	2175.5	2237.5
62.5°	1840.0	1983.5	2055.5	2104.5	2198.5	2245.5	2317.5	2398.5	2418.5	2446.0	2515.0
65°	1855.0	1981.0	2033.0	2109.5	2184.5	2210.0	2305.5	2357.5	2350.0	2418.5	2426.0
67.5°	1630.0	1737.5	1820.0	1932.5	1989.5	2048.5	2127.5	2137.5	2169.0	2224.5	2185.5
70°	1158.0	1332.0	1443.5	1573.5	1663.5	1758.5	1833.5	1840.0	1891.0	1908.5	1888.5
72.5°	626.5	796.5	930.5	1090.5	1196.0	1304.5	1372.5	1412.0	1432.0	1405.5	1455.5
75°	353.0	422.5	509.0	592.0	675.5	717.0	748.5	763.5	730.5	720.5	719.5
77.5°	298.5	295.0	302.0	287.0	291.0	280.5	282.5	257.0	239.5	252.0	251.0
80°	366.5	333.5	295.0	243.0	208.0	177.0	159.5	154.5	161.0	178.0	190.0
82.5°	487.0	481.0	417.5	351.0	295.0	236.0	191.0	165.0	168.0	179.5	201.5
85°	334.5	349.0	309.5	290.0	238.5	200.0	165.0	132.5	121.5	116.0	110.5
87.5°	67.5	59.0	53.0	50.0	43.5	38.5	34.5	31.5	32.0	30.0	29.5
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):

	76°	77°	78°	79°	80°	81°	82°	82.5°	83°	84°	85°
0°	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
2.5°	50.0	47.5	48.0	46.5	45.5	45.0	46.5	46.5	46.0	45.5	43.5
5°	68.0	67.5	65.5	63.0	60.0	54.5	51.5	49.0	47.5	47.0	46.0
7.5°	67.5	67.0	66.5	66.5	66.5	66.0	66.0	64.5	63.0	58.5	48.5
10°	89.5	92.0	97.5	100.5	100.5	100.0	97.0	96.5	96.0	95.5	91.5
12.5°	96.5	94.0	94.0	94.5	98.0	101.5	103.5	102.5	102.5	102.5	101.0
15°	127.0	127.0	126.5	126.5	126.5	127.5	127.0	130.0	132.0	131.0	131.5
17.5°	141.0	143.0	142.0	142.0	139.0	133.5	144.0	131.5	131.0	147.5	161.5
20°	213.5	213.0	210.0	209.0	207.0	206.0	207.5	208.0	208.5	208.0	211.0
22.5°	275.0	266.5	260.0	258.5	265.0	267.5	264.5	265.0	263.0	263.5	259.0
25°	334.5	327.0	334.5	326.5	321.0	315.5	315.0	312.0	316.0	318.0	324.0
27.5°	387.5	391.5	391.0	395.5	388.5	382.5	383.0	380.5	385.0	390.0	384.5
30°	417.5	421.0	419.0	413.5	416.0	417.5	427.0	425.5	423.5	412.5	407.5
32.5°	493.0	491.5	487.5	491.0	502.5	508.5	493.5	490.0	490.5	497.0	493.0
35°	525.5	525.5	526.5	542.0	546.0	535.0	534.5	537.5	544.0	532.0	525.0
37.5°	542.0	545.5	559.0	563.0	551.0	551.0	560.0	557.5	552.0	550.5	557.0
40°	566.5	581.0	585.5	573.5	574.0	582.5	573.5	567.0	571.5	586.5	587.0
42.5°	605.0	611.0	598.5	596.5	608.5	598.0	598.0	607.0	612.5	611.5	617.0
45°	642.5	631.5	624.0	635.0	627.5	619.0	639.0	641.0	641.0	646.5	654.5
47.5°	678.0	660.0	667.5	663.0	646.5	669.5	674.0	673.5	676.5	686.0	683.5
50°	730.5	718.0	715.5	692.5	706.5	715.5	715.0	721.0	726.5	723.5	745.5
52.5°	838.0	833.5	791.5	777.5	784.5	776.5	784.5	780.5	780.0	798.5	800.0
55°	1071.0	1045.5	972.0	969.0	931.0	899.5	910.0	900.0	904.5	916.5	925.0
57.5°	1604.5	1529.0	1508.5	1498.0	1423.5	1338.5	1329.5	1341.5	1340.0	1321.0	1352.5
60°	2238.5	2185.5	2242.0	2201.0	2143.0	2115.0	2074.0	2072.5	2055.0	2040.5	2007.5
62.5°	2470.5	2537.5	2590.5	2592.5	2605.5	2591.0	2570.5	2546.0	2549.5	2509.0	2496.0
65°	2425.5	2524.5	2552.0	2606.0	2646.5	2702.5	2703.5	2712.5	2704.5	2672.5	2627.5
67.5°	2275.5	2323.0	2353.5	2417.5	2498.0	2572.0	2632.5	2641.5	2647.0	2628.5	2562.0
70°	1976.0	1996.0	2039.0	2103.5	2201.0	2274.5	2357.0	2365.5	2383.0	2363.5	2317.0
72.5°	1463.0	1457.0	1479.5	1524.0	1570.0	1621.0	1673.5	1677.0	1715.5	1677.0	1623.5
75°	680.0	662.5	648.0	645.5	651.0	666.0	664.5	644.5	639.0	593.5	561.0
77.5°	233.0	227.0	215.0	196.5	175.5	150.0	131.5	122.5	114.0	101.5	97.0
80°	205.5	219.0	217.5	203.0	178.5	149.5	122.0	108.5	97.0	78.0	70.5
82.5°	237.0	267.0	289.5	274.0	235.5	191.5	139.0	116.0	95.0	64.5	52.5
85°	113.5	112.0	123.0	104.5	99.0	72.5	54.5	46.0	42.0	34.5	32.0
87.5°	30.0	30.5	31.5	31.5	30.5	28.5	28.0	27.0	26.5	24.5	23.0
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):

	86°	87°	88°	89°	90°	91°	92°	93°	94°	95°	96°
0°	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
2.5°	43.5	43.0	43.0	42.5	42.5	42.5	42.5	42.5	42.0	42.0	42.0
5°	46.5	46.5	46.0	44.5	43.5	43.5	43.0	43.0	42.5	42.5	42.5
7.5°	44.5	44.0	43.5	44.0	45.0	45.5	45.5	45.0	44.5	45.0	45.0
10°	77.5	72.0	70.5	70.0	69.0	69.0	68.5	67.5	66.0	65.5	65.5
12.5°	98.5	80.0	77.5	77.0	76.0	75.5	75.0	72.5	71.5	72.5	73.0
15°	131.0	124.0	109.0	109.5	110.0	109.5	109.5	108.5	107.0	105.5	105.5
17.5°	151.5	157.0	139.0	144.5	140.5	145.0	142.5	140.5	143.5	132.0	135.5
20°	209.5	209.5	201.5	189.5	191.0	193.0	195.5	195.0	192.5	188.0	186.0
22.5°	263.0	260.0	263.0	255.5	253.0	256.5	241.0	249.0	246.5	249.5	250.0
25°	326.5	327.5	317.0	308.0	300.5	301.5	307.5	306.0	298.5	301.0	308.5
27.5°	379.0	383.0	390.5	380.0	373.5	371.5	369.5	371.0	381.5	380.5	371.5
30°	412.5	407.0	405.5	410.5	419.0	412.5	421.0	408.0	404.0	416.5	416.0
32.5°	477.5	485.5	493.0	491.5	492.5	501.5	496.5	497.5	494.0	490.5	497.5
35°	533.5	534.0	529.0	536.0	534.0	536.5	543.0	543.5	545.5	544.5	545.0
37.5°	556.5	560.5	562.5	550.0	563.5	564.5	570.5	575.5	585.5	593.0	596.5
40°	593.5	591.0	586.5	600.0	587.5	595.5	610.0	619.5	630.5	645.5	650.5
42.5°	623.0	623.0	631.0	627.5	643.0	640.0	656.5	672.5	686.5	690.0	717.0
45°	655.0	670.0	671.5	679.5	689.5	708.0	709.5	722.5	738.0	757.5	766.5
47.5°	703.5	705.0	723.5	734.0	748.0	764.0	773.0	777.5	797.0	813.0	823.0
50°	744.0	769.5	780.5	797.5	816.0	824.0	838.0	849.0	856.5	867.0	873.5
52.5°	819.5	836.5	861.0	877.5	896.0	909.5	921.5	941.5	942.0	941.0	948.0
55°	945.5	980.5	1019.0	1031.5	1067.0	1084.0	1105.0	1117.0	1135.0	1117.0	1121.5
57.5°	1375.0	1431.0	1462.0	1503.5	1536.0	1560.5	1566.5	1581.0	1607.0	1604.0	1587.5
60°	2044.5	2051.0	2075.5	2107.0	2105.0	2133.5	2115.5	2137.5	2098.5	2094.0	2053.5
62.5°	2472.5	2459.5	2457.0	2453.5	2442.0	2421.0	2394.0	2372.5	2338.0	2288.0	2253.5
65°	2572.0	2531.5	2504.0	2482.5	2440.0	2395.0	2359.0	2319.0	2290.5	2238.5	2186.5
67.5°	2494.5	2445.0	2395.5	2331.0	2284.5	2229.0	2175.5	2140.5	2088.0	2059.0	1974.5
70°	2263.0	2174.0	2091.0	2007.5	1967.0	1892.5	1842.5	1817.0	1764.5	1732.5	1670.0
72.5°	1581.0	1509.0	1388.0	1324.5	1311.0	1257.0	1235.0	1223.0	1197.5	1168.5	1136.0
75°	534.0	509.5	479.0	417.5	434.5	410.5	395.0	417.5	409.0	409.5	393.5
77.5°	93.5	90.5	86.5	82.0	80.5	82.0	80.0	83.0	83.5	85.0	83.5
80°	67.0	63.5	61.0	59.0	57.5	58.0	56.5	57.0	56.5	57.0	56.5
82.5°	48.0	46.0	43.5	42.0	41.5	42.0	41.0	42.5	43.5	45.0	46.5
85°	30.0	29.5	28.0	27.5	27.5	27.0	27.5	29.5	31.5	34.0	35.5
87.5°	21.5	21.5	20.5	21.5	21.5	22.5	24.0	26.5	29.0	31.5	34.5
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):

	97°	98°	99°	100°	101°	102°	103°	104°	105°	115°	125°
0°	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
2.5°	42.0	42.0	42.0	42.0	42.0	42.0	42.0	41.5	41.5	42.0	42.0
5°	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	44.0	66.0
7.5°	44.5	44.5	44.5	44.0	44.0	44.0	44.5	45.0	44.5	63.0	43.0
10°	66.5	67.5	68.5	68.0	68.5	69.0	69.5	69.5	76.0	67.0	46.0
12.5°	73.5	73.5	74.0	73.5	73.0	80.0	94.5	94.5	95.0	74.0	73.5
15°	104.0	102.5	104.0	108.5	122.5	124.5	125.0	124.5	118.5	110.5	106.0
17.5°	125.0	119.0	125.5	137.0	124.5	124.0	116.5	111.0	113.0	138.0	143.0
20°	189.0	196.0	199.5	205.5	201.0	189.0	184.5	185.0	184.0	188.5	159.5
22.5°	247.0	256.0	255.0	252.5	245.5	253.0	256.0	237.0	233.5	248.5	257.5
25°	321.0	316.5	317.5	312.5	310.0	311.0	314.0	328.5	328.0	355.5	286.5
27.5°	383.5	389.5	385.5	386.0	395.0	389.0	399.0	399.0	419.5	388.5	384.0
30°	409.5	415.5	427.0	430.0	439.0	444.5	443.5	447.0	448.5	469.5	419.0
32.5°	511.0	505.0	514.0	527.5	532.5	537.0	551.0	549.5	541.5	520.0	478.5
35°	557.5	570.5	570.5	572.0	594.0	595.5	594.0	602.5	596.0	582.0	504.5
37.5°	603.5	608.5	624.5	627.0	623.5	640.0	640.5	636.0	642.5	617.0	552.5
40°	658.0	665.0	667.5	681.5	674.5	672.5	691.5	684.5	680.0	649.0	567.0
42.5°	720.0	718.0	722.0	723.0	730.5	722.5	722.0	737.5	725.5	675.5	565.5
45°	782.5	774.0	770.0	770.5	769.5	773.5	761.0	769.5	771.0	689.5	552.5
47.5°	822.0	833.0	823.0	814.5	809.0	809.5	805.5	786.0	801.5	694.0	532.0
50°	883.5	882.5	881.5	862.5	857.0	846.5	841.5	827.5	816.5	679.5	509.5
52.5°	952.5	950.5	953.0	936.5	915.5	902.5	887.5	874.5	849.0	665.0	484.5
55°	1123.0	1118.5	1105.0	1100.5	1062.0	1029.0	988.0	963.0	940.5	664.0	455.5
57.5°	1582.5	1562.0	1527.0	1500.0	1427.5	1358.0	1294.0	1221.0	1170.5	719.5	433.5
60°	2006.5	1980.5	1935.5	1848.5	1773.0	1651.0	1535.0	1439.0	1351.0	778.0	408.5
62.5°	2177.5	2123.0	2056.5	1970.5	1842.0	1724.0	1565.5	1454.5	1343.5	743.5	345.0
65°	2135.0	2043.5	1962.0	1865.5	1742.5	1595.0	1433.5	1300.0	1203.5	600.5	239.5
67.5°	1932.5	1848.5	1767.0	1653.5	1517.5	1353.0	1214.5	1076.5	990.0	427.5	133.5
70°	1617.5	1553.5	1454.5	1344.5	1221.0	1071.5	930.5	810.5	724.5	261.0	65.0
72.5°	1112.0	1057.5	1016.0	922.5	797.5	662.5	583.0	489.5	438.0	133.5	43.0
75°	402.0	406.5	374.5	358.0	317.0	255.5	225.0	189.5	165.5	60.5	42.5
77.5°	93.5	92.0	97.0	99.5	92.5	84.5	76.0	70.0	65.5	47.5	45.0
80°	57.0	56.5	56.0	55.5	55.0	54.5	54.0	53.0	52.0	46.5	45.5
82.5°	47.5	48.0	48.0	48.0	48.5	48.5	49.0	49.0	48.5	46.5	46.0
85°	37.0	38.5	40.0	41.5	43.5	45.5	46.5	47.0	47.0	45.5	45.5
87.5°	37.0	39.0	41.5	44.5	47.5	50.0	52.0	53.0	53.0	46.0	45.0
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):

	135°	145°	155°	165°	175°	180°
0°	43.0	43.0	43.0	43.0	43.0	43.0
2.5°	44.5	43.5	44.0	47.5	45.5	44.5
5°	67.0	52.0	43.5	43.0	42.5	42.0
7.5°	44.5	44.5	45.5	56.5	62.5	66.0
10°	50.0	71.5	75.0	73.5	74.0	73.0
12.5°	101.0	76.0	79.5	89.5	104.0	104.0
15°	109.5	133.5	108.5	109.5	108.0	108.0
17.5°	143.5	142.5	115.5	139.5	141.5	141.5
20°	181.5	164.5	171.0	150.0	147.5	147.0
22.5°	196.0	203.0	181.0	184.0	184.0	183.0
25°	261.0	228.5	213.5	190.0	211.0	206.5
27.5°	304.0	253.0	250.0	224.5	221.5	219.5
30°	360.5	317.0	267.0	255.5	255.0	253.0
32.5°	391.5	330.5	289.0	263.5	282.0	281.0
35°	426.5	344.5	306.0	287.0	274.0	272.0
37.5°	428.5	350.5	296.5	291.5	287.5	286.0
40°	434.0	338.5	295.5	291.0	287.0	285.5
42.5°	418.0	322.0	281.0	264.5	257.0	255.0
45°	396.0	296.5	251.0	232.5	223.5	221.5
47.5°	370.0	273.5	219.0	202.0	189.5	186.0
50°	343.0	243.5	187.5	167.0	155.0	151.0
52.5°	313.5	205.5	152.5	135.0	122.5	120.0
55°	278.0	165.5	119.0	107.0	99.5	97.5
57.5°	232.0	124.5	91.0	85.5	82.0	81.0
60°	178.0	87.5	68.5	70.0	68.5	69.5
62.5°	122.0	58.0	52.5	57.0	57.5	57.5
65°	71.0	42.0	42.5	48.0	48.5	49.0
67.5°	43.5	35.0	37.0	42.5	43.0	43.0
70°	36.5	32.5	34.5	40.0	40.5	40.5
72.5°	35.5	32.5	33.5	39.0	39.5	40.0
75°	36.0	32.0	33.5	39.0	38.5	38.0
77.5°	37.0	32.0	33.0	39.0	39.5	37.0
80°	36.5	31.0	31.5	41.5	40.0	34.0
82.5°	35.0	29.0	28.0	44.0	35.5	30.5
85°	32.5	26.0	23.0	48.0	35.0	22.0
87.5°	18.5	21.5	17.0	42.0	32.0	17.5
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)