

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: P179370

Luminaire Tested: **UTLD-E03-LED-E-U-T3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179370
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34327)
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-T3-HSS
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4277.6 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - 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



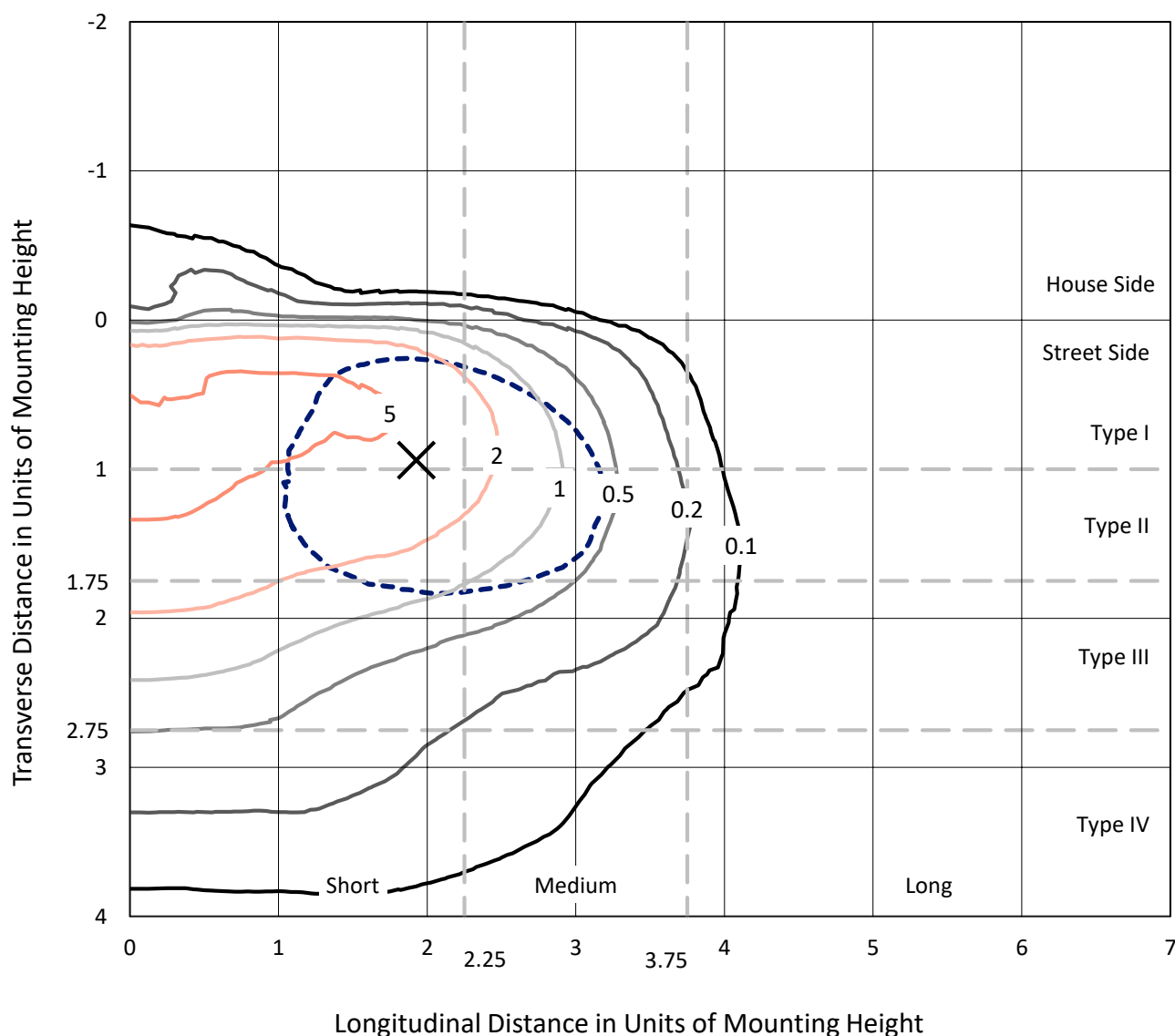
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

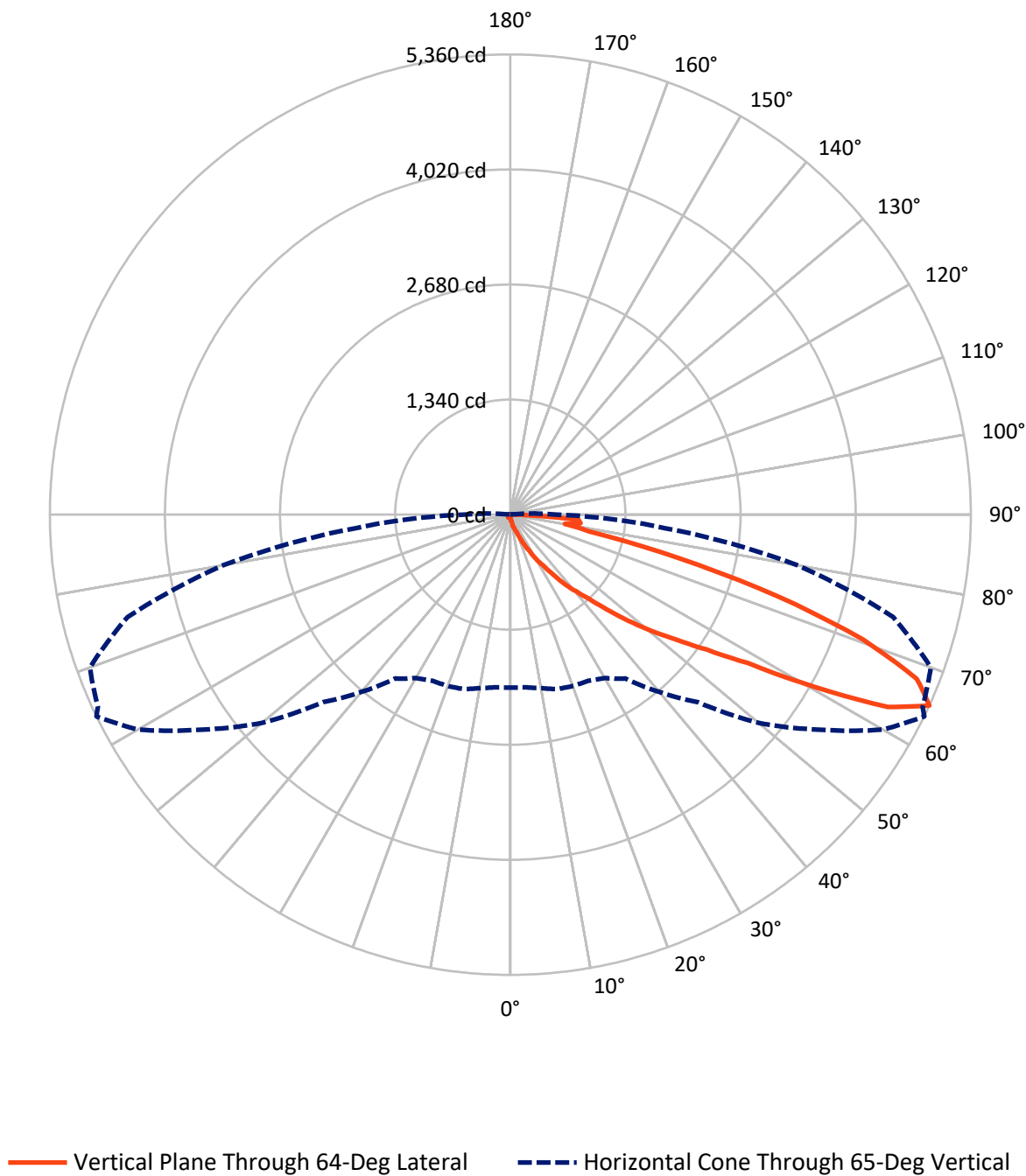


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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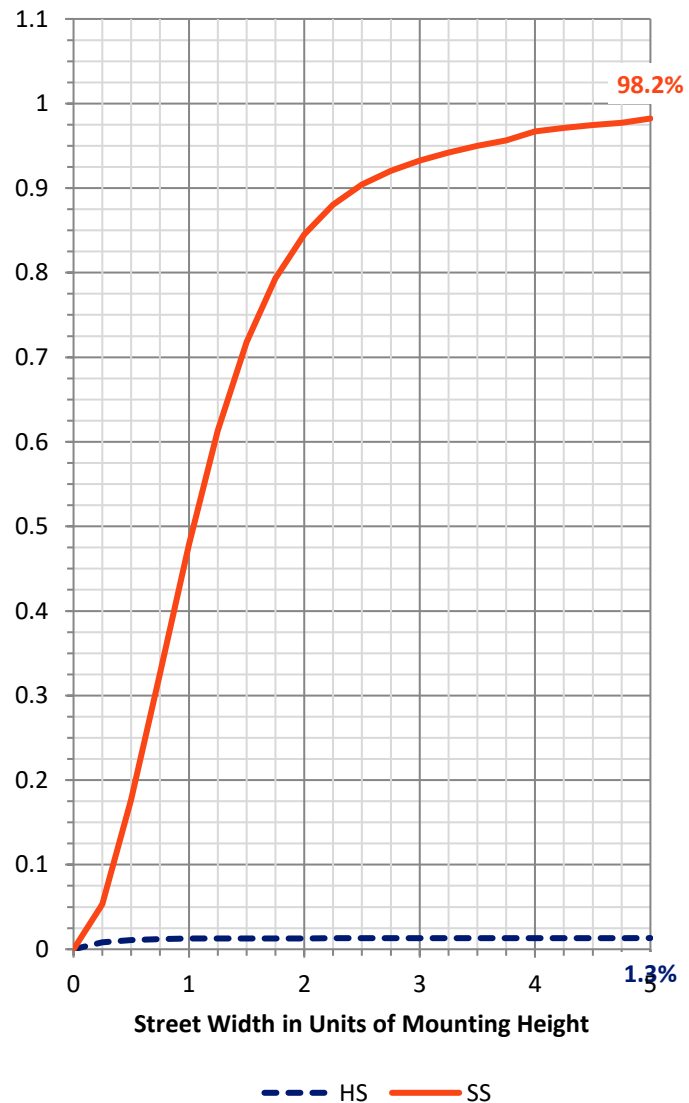
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	58.2	0.0	58.2
	% Fixture	1.4	0.0	1.4
Street Side	Lumens	4219.4	0.0	4219.4
	% Fixture	98.6	0.0	98.6
Total	Lumens	4277.6	0.0	4277.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.1
10°-20°	36.9	0.9
20°-30°	116.0	2.7
30°-40°	281.6	6.6
40°-50°	596.9	14.0
50°-60°	1074.9	25.1
60°-70°	1439.3	33.6
70°-80°	622.1	14.5
80°-90°	104.4	2.4
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°	4277.6	100.0
0°-180°	4277.6	100.0

Coefficient of Utilization



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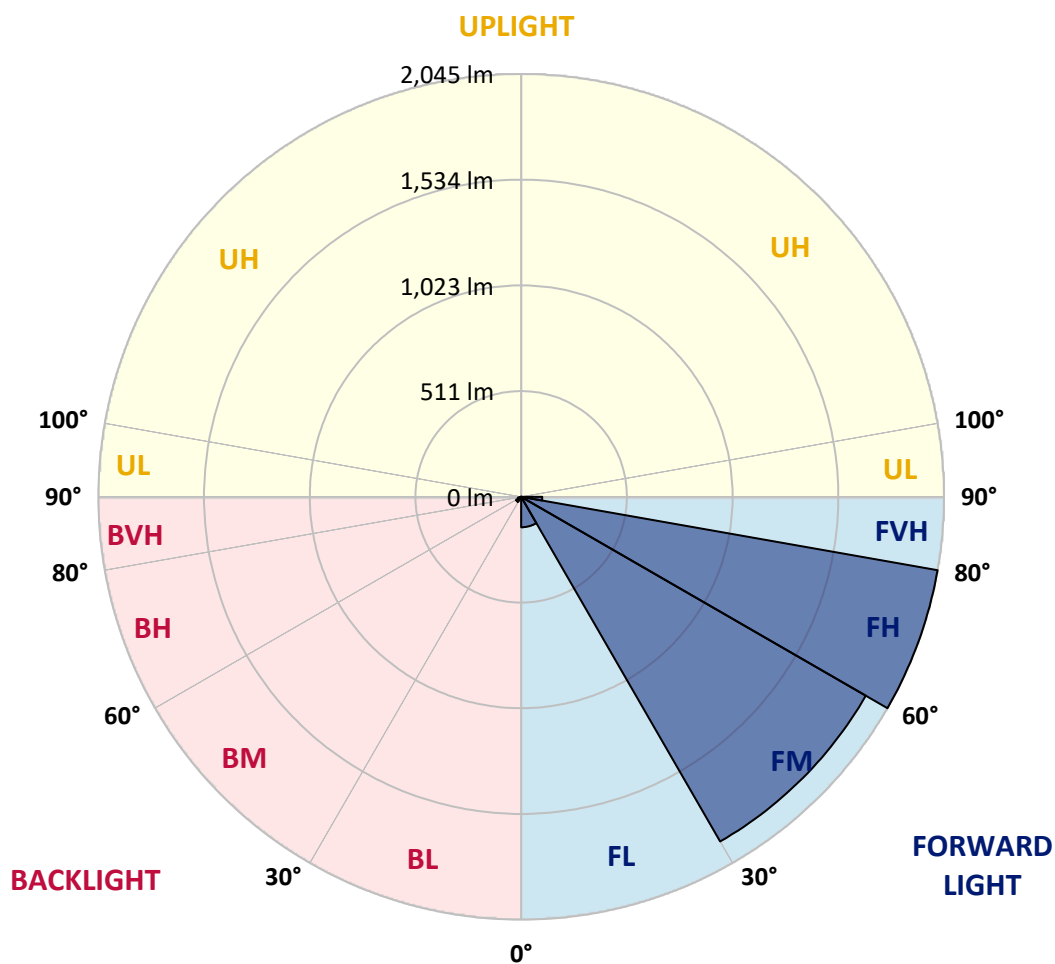
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	147.2	3.4			
FM	(30°-60°)	1924.9	45.0			
FH	(60°-80°)	2045.3	47.8			G2/5000
FVH	(80°-90°)	102.0	2.4			G2/225
BL	(0°-30°)	11.2	0.3	B0/110		
BM	(30°-60°)	28.4	0.7	B0/220		
BH	(60°-80°)	16.1	0.4	B0/110		G0/110
BVH	(80°-90°)	2.4	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
2.5°	61.5	61.5	60.0	61.5	60.0	58.5	58.5	57.0	57.0	55.5	55.5
5°	90.0	90.0	88.5	85.5	82.5	81.0	79.5	75.0	73.5	72.0	69.0
7.5°	160.5	160.5	157.5	154.5	153.0	150.0	147.0	141.0	135.0	100.5	87.0
10°	205.5	202.5	199.5	193.5	192.0	184.5	177.0	172.5	166.5	151.5	141.0
12.5°	288.0	286.5	283.5	285.0	276.0	270.0	258.0	247.5	198.0	186.0	181.5
15°	379.5	355.5	333.0	312.0	306.0	300.0	282.0	283.5	295.5	270.0	211.5
17.5°	388.5	390.0	387.0	387.0	378.0	373.5	384.0	333.0	324.0	301.5	285.0
20°	489.0	490.5	487.5	456.0	412.5	397.5	420.0	405.0	405.0	369.0	346.5
22.5°	511.5	516.0	511.5	510.0	499.5	525.0	508.5	439.5	465.0	433.5	417.0
25°	621.0	624.0	622.5	609.0	628.5	552.0	540.0	573.0	541.5	504.0	520.5
27.5°	738.0	735.0	667.5	645.0	654.0	645.0	679.5	624.0	652.5	616.5	591.0
30°	793.5	798.0	792.0	766.5	766.5	790.5	729.0	751.5	730.5	676.5	766.5
32.5°	954.0	960.0	942.0	937.5	868.5	844.5	823.5	846.0	793.5	832.5	855.0
35°	1143.0	1146.0	1119.0	1003.5	1002.0	973.5	969.0	916.5	943.5	913.5	997.5
37.5°	1300.5	1293.0	1249.5	1194.0	1197.0	1138.5	1077.0	1081.5	1038.0	1041.0	1120.5
40°	1509.0	1506.0	1474.5	1429.5	1363.5	1290.0	1252.5	1234.5	1200.0	1176.0	1251.0
42.5°	1702.5	1722.0	1708.5	1650.0	1552.5	1519.5	1429.5	1393.5	1383.0	1344.0	1405.5
45°	1942.5	1941.0	1939.5	1881.0	1818.0	1749.0	1615.5	1596.0	1578.0	1573.5	1641.0
47.5°	2122.5	2124.0	2130.0	2091.0	2047.5	1950.0	1818.0	1813.5	1824.0	1813.5	1899.0
50°	2244.0	2257.5	2280.0	2271.0	2212.5	2146.5	2064.0	2049.0	2062.5	2056.5	2193.0
52.5°	2325.0	2341.5	2368.5	2385.0	2322.0	2293.5	2259.0	2239.5	2304.0	2305.5	2461.5
55°	2356.5	2374.5	2401.5	2434.5	2386.5	2392.5	2379.0	2376.0	2479.5	2503.5	2709.0
57.5°	2331.0	2347.5	2377.5	2418.0	2404.5	2454.0	2425.5	2439.0	2599.5	2662.5	2928.0
60°	2263.5	2278.5	2311.5	2379.0	2361.0	2419.5	2406.0	2470.5	2679.0	2818.5	3181.5
62.5°	2151.0	2169.0	2205.0	2269.5	2278.5	2329.5	2343.0	2452.5	2733.0	2976.0	3520.5
65°	2013.0	2017.5	2050.5	2103.0	2124.0	2134.5	2196.0	2329.5	2692.5	3087.0	3774.0
67.5°	1804.5	1815.0	1836.0	1867.5	1884.0	1828.5	1879.5	2017.5	2382.0	2854.5	3586.5
70°	1279.5	1278.0	1324.5	1459.5	1500.0	1375.5	1372.5	1458.0	1756.5	2208.0	2869.5
72.5°	873.0	883.5	904.5	946.5	1075.5	1036.5	1023.0	978.0	1095.0	1345.5	1896.0
75°	664.5	669.0	756.0	826.5	913.5	954.0	979.5	925.5	882.0	843.0	1086.0
77.5°	226.5	246.0	288.0	394.5	616.5	751.5	835.5	913.5	966.0	925.5	897.0
80°	49.5	51.0	57.0	76.5	216.0	388.5	487.5	622.5	775.5	862.5	937.5
82.5°	21.0	22.5	27.0	33.0	51.0	144.0	202.5	234.0	316.5	418.5	682.5
85°	7.5	7.5	9.0	12.0	19.5	36.0	54.0	58.5	90.0	132.0	223.5
87.5°	3.0	3.0	3.0	4.5	6.0	9.0	10.5	12.0	15.0	31.5	75.0
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):

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
2.5°	55.5	54.0	54.0	54.0	52.5	48.0	45.0	39.0	36.0	33.0	31.5
5°	66.0	61.5	58.5	58.5	54.0	52.5	51.0	43.5	34.5	30.0	27.0
7.5°	79.5	73.5	69.0	67.5	61.5	54.0	51.0	46.5	34.5	28.5	25.5
10°	133.5	94.5	87.0	84.0	75.0	66.0	60.0	57.0	42.0	33.0	30.0
12.5°	169.5	150.0	135.0	118.5	88.5	79.5	67.5	57.0	43.5	33.0	27.0
15°	196.5	175.5	154.5	153.0	126.0	102.0	82.5	72.0	51.0	42.0	34.5
17.5°	283.5	219.0	190.5	189.0	160.5	112.5	94.5	70.5	55.5	40.5	33.0
20°	322.5	274.5	229.5	237.0	208.5	165.0	120.0	91.5	66.0	54.0	43.5
22.5°	414.0	372.0	321.0	288.0	241.5	195.0	132.0	102.0	75.0	55.5	45.0
25°	480.0	426.0	406.5	402.0	333.0	262.5	175.5	120.0	84.0	61.5	54.0
27.5°	594.0	553.5	487.5	480.0	379.5	288.0	220.5	142.5	93.0	67.5	57.0
30°	669.0	639.0	616.5	600.0	475.5	346.5	250.5	162.0	100.5	70.5	58.5
32.5°	816.0	759.0	709.5	684.0	603.0	438.0	303.0	186.0	109.5	75.0	64.5
35°	936.0	930.0	858.0	852.0	735.0	559.5	369.0	217.5	114.0	76.5	63.0
37.5°	1093.5	1059.0	1024.5	1006.5	897.0	687.0	451.5	267.0	133.5	79.5	63.0
40°	1219.5	1185.0	1171.5	1155.0	1011.0	811.5	558.0	291.0	136.5	81.0	61.5
42.5°	1380.0	1326.0	1338.0	1320.0	1167.0	978.0	664.5	348.0	147.0	81.0	58.5
45°	1584.0	1555.5	1569.0	1539.0	1387.5	1191.0	775.5	405.0	162.0	79.5	54.0
47.5°	1845.0	1828.5	1843.5	1791.0	1675.5	1471.5	1008.0	508.5	181.5	78.0	51.0
50°	2122.5	2146.5	2125.5	2076.0	2026.5	1771.5	1279.5	636.0	210.0	75.0	48.0
52.5°	2448.0	2451.0	2413.5	2412.0	2413.5	2163.0	1563.0	789.0	246.0	72.0	45.0
55°	2757.0	2794.5	2775.0	2797.5	2832.0	2659.5	1911.0	964.5	295.5	67.5	42.0
57.5°	3073.5	3207.0	3261.0	3331.5	3397.5	3303.0	2380.5	1219.5	355.5	63.0	39.0
60°	3483.0	3846.0	4077.0	4162.5	4218.0	4024.5	2989.5	1545.0	442.5	58.5	34.5
62.5°	4012.5	4593.0	4933.5	5032.5	4957.5	4552.5	3343.5	1788.0	513.0	55.5	30.0
65°	4362.0	5005.5	5359.5	5296.5	5208.0	4612.5	3393.0	1810.5	528.0	49.5	27.0
67.5°	4155.0	4749.0	5103.0	5008.5	4944.0	4312.5	3042.0	1668.0	492.0	42.0	24.0
70°	3442.5	4044.0	4354.5	4276.5	4323.0	3660.0	2488.5	1413.0	436.5	36.0	21.0
72.5°	2473.5	2946.0	3264.0	3216.0	3340.5	2631.0	1833.0	1111.5	363.0	30.0	18.0
75°	1510.5	1944.0	2020.5	1947.0	1858.5	1342.5	885.0	604.5	234.0	22.5	13.5
77.5°	924.0	1060.5	936.0	948.0	747.0	336.0	166.5	124.5	66.0	18.0	9.0
80°	880.5	796.5	643.5	625.5	430.5	130.5	73.5	55.5	28.5	13.5	7.5
82.5°	919.5	964.5	823.5	762.0	456.0	115.5	60.0	45.0	22.5	10.5	6.0
85°	381.0	859.5	798.0	727.5	421.5	90.0	48.0	33.0	15.0	7.5	6.0
87.5°	148.5	246.0	226.5	202.5	133.5	45.0	37.5	27.0	10.5	6.0	6.0
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):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
2.5°	30.0	28.5	27.0	27.0	25.5	25.5	24.0	24.0	24.0	24.0	24.0
5°	25.5	24.0	22.5	21.0	19.5	19.5	21.0	22.5	22.5	24.0	22.5
7.5°	22.5	21.0	18.0	19.5	19.5	16.5	12.0	10.5	10.5	12.0	12.0
10°	24.0	21.0	22.5	13.5	10.5	9.0	10.5	10.5	10.5	13.5	16.5
12.5°	24.0	25.5	18.0	16.5	15.0	13.5	16.5	15.0	13.5	15.0	15.0
15°	31.5	22.5	19.5	16.5	18.0	19.5	18.0	16.5	15.0	15.0	16.5
17.5°	27.0	24.0	22.5	25.5	24.0	19.5	18.0	19.5	19.5	18.0	16.5
20°	36.0	31.5	30.0	25.5	22.5	22.5	22.5	19.5	18.0	18.0	19.5
22.5°	40.5	34.5	34.5	31.5	28.5	22.5	22.5	21.0	21.0	19.5	18.0
25°	48.0	45.0	39.0	31.5	30.0	27.0	25.5	21.0	21.0	19.5	19.5
27.5°	51.0	45.0	39.0	36.0	31.5	25.5	25.5	21.0	19.5	19.5	18.0
30°	54.0	46.5	40.5	36.0	31.5	27.0	25.5	21.0	19.5	18.0	18.0
32.5°	57.0	48.0	39.0	34.5	30.0	25.5	24.0	21.0	18.0	16.5	16.5
35°	54.0	45.0	39.0	34.5	28.5	24.0	22.5	19.5	16.5	16.5	15.0
37.5°	51.0	42.0	36.0	31.5	27.0	22.5	19.5	16.5	15.0	13.5	13.5
40°	48.0	39.0	33.0	28.5	24.0	21.0	18.0	13.5	12.0	10.5	10.5
42.5°	43.5	36.0	30.0	25.5	21.0	16.5	15.0	12.0	9.0	7.5	7.5
45°	42.0	33.0	27.0	22.5	18.0	15.0	12.0	9.0	6.0	4.5	4.5
47.5°	39.0	30.0	24.0	19.5	15.0	12.0	9.0	6.0	4.5	3.0	3.0
50°	36.0	28.5	21.0	16.5	12.0	9.0	6.0	4.5	3.0	1.5	1.5
52.5°	33.0	25.5	18.0	13.5	10.5	7.5	4.5	3.0	1.5	1.5	0.0
55°	30.0	21.0	16.5	12.0	7.5	4.5	3.0	1.5	1.5	0.0	0.0
57.5°	25.5	18.0	13.5	9.0	6.0	3.0	1.5	1.5	1.5	0.0	0.0
60°	22.5	15.0	10.5	7.5	4.5	3.0	1.5	1.5	0.0	0.0	0.0
62.5°	19.5	13.5	9.0	6.0	3.0	1.5	1.5	1.5	0.0	0.0	0.0
65°	16.5	10.5	7.5	4.5	3.0	1.5	1.5	1.5	1.5	0.0	0.0
67.5°	15.0	9.0	6.0	4.5	3.0	1.5	1.5	1.5	1.5	1.5	0.0
70°	13.5	7.5	4.5	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5
72.5°	10.5	6.0	4.5	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5
75°	7.5	4.5	3.0	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5
77.5°	6.0	4.5	3.0	3.0	3.0	3.0	1.5	3.0	3.0	3.0	3.0
80°	4.5	3.0	3.0	4.5	4.5	4.5	1.5	3.0	3.0	3.0	3.0
82.5°	4.5	4.5	4.5	4.5	4.5	4.5	1.5	4.5	4.5	4.5	3.0
85°	4.5	4.5	4.5	4.5	6.0	6.0	1.5	6.0	6.0	4.5	4.5
87.5°	6.0	4.5	6.0	6.0	6.0	7.5	1.5	6.0	6.0	6.0	6.0
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):

	160°	165°	170°	175°	180°
0°	37.5	37.5	37.5	37.5	37.5
2.5°	24.0	25.5	25.5	25.5	25.5
5°	21.0	19.5	19.5	19.5	19.5
7.5°	12.0	12.0	13.5	13.5	13.5
10°	18.0	18.0	18.0	18.0	18.0
12.5°	15.0	16.5	16.5	16.5	16.5
15°	18.0	18.0	19.5	19.5	19.5
17.5°	16.5	16.5	18.0	18.0	18.0
20°	18.0	19.5	19.5	19.5	19.5
22.5°	16.5	16.5	19.5	19.5	21.0
25°	19.5	18.0	18.0	19.5	18.0
27.5°	18.0	18.0	19.5	19.5	19.5
30°	18.0	16.5	16.5	18.0	18.0
32.5°	16.5	16.5	16.5	16.5	16.5
35°	15.0	15.0	16.5	16.5	16.5
37.5°	13.5	12.0	13.5	13.5	13.5
40°	10.5	10.5	10.5	12.0	12.0
42.5°	7.5	7.5	7.5	7.5	7.5
45°	4.5	4.5	4.5	4.5	4.5
47.5°	3.0	1.5	3.0	3.0	3.0
50°	1.5	1.5	1.5	1.5	1.5
52.5°	0.0	1.5	1.5	1.5	1.5
55°	0.0	1.5	1.5	1.5	1.5
57.5°	0.0	0.0	1.5	1.5	1.5
60°	0.0	0.0	1.5	1.5	1.5
62.5°	0.0	0.0	1.5	1.5	1.5
65°	0.0	1.5	1.5	1.5	1.5
67.5°	0.0	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	3.0	1.5	1.5
77.5°	3.0	3.0	3.0	3.0	1.5
80°	3.0	3.0	3.0	3.0	1.5
82.5°	3.0	3.0	4.5	3.0	1.5
85°	4.5	4.5	4.5	4.5	1.5
87.5°	4.5	4.5	6.0	6.0	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)