

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: INVUE

Report Number: P180807

Luminaire Tested: **ICM-E06-LED-E1-SL4-HSS-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180807
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-E06-LED-E1-SL4-HSS-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (126) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10373 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G3

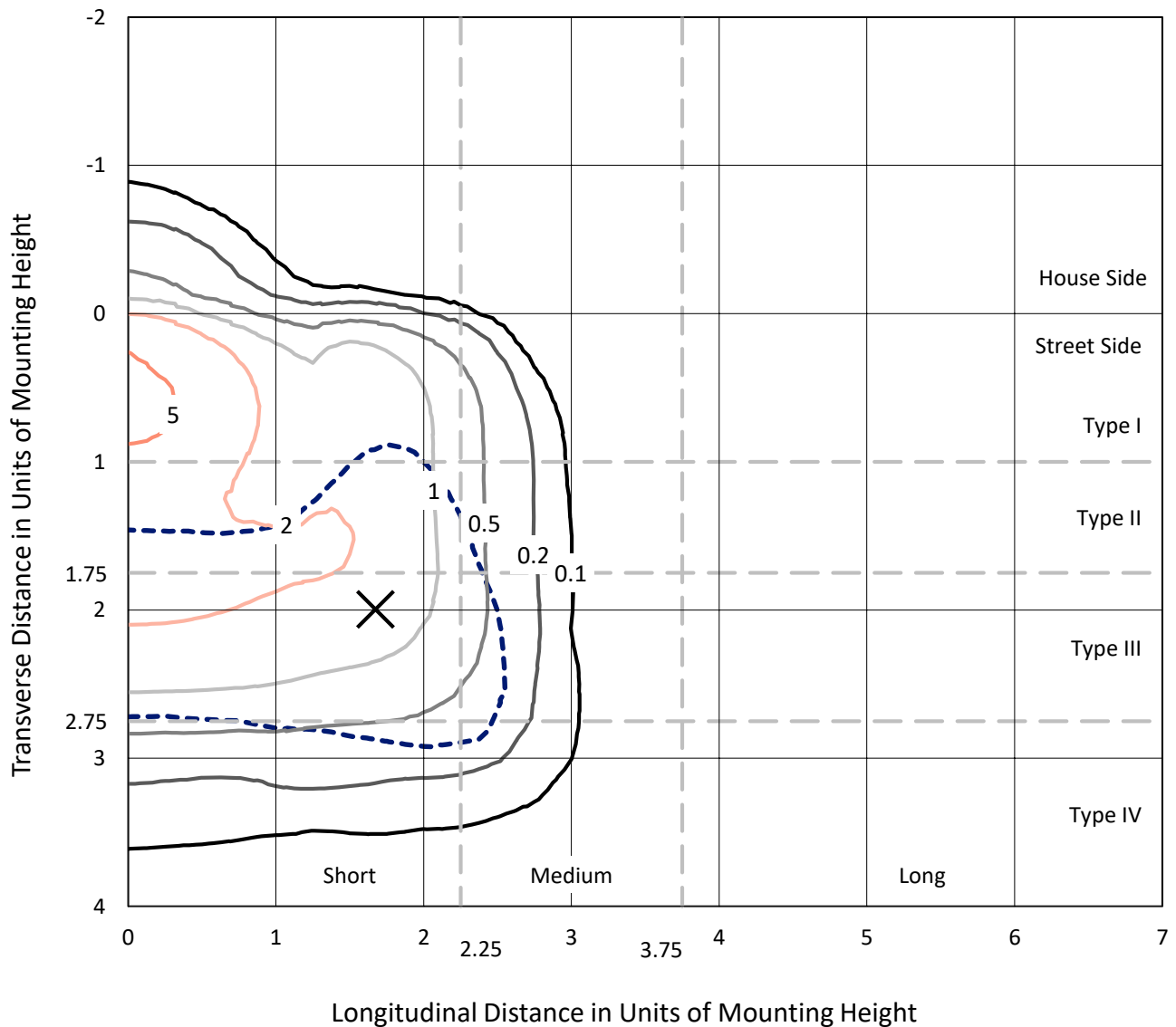
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

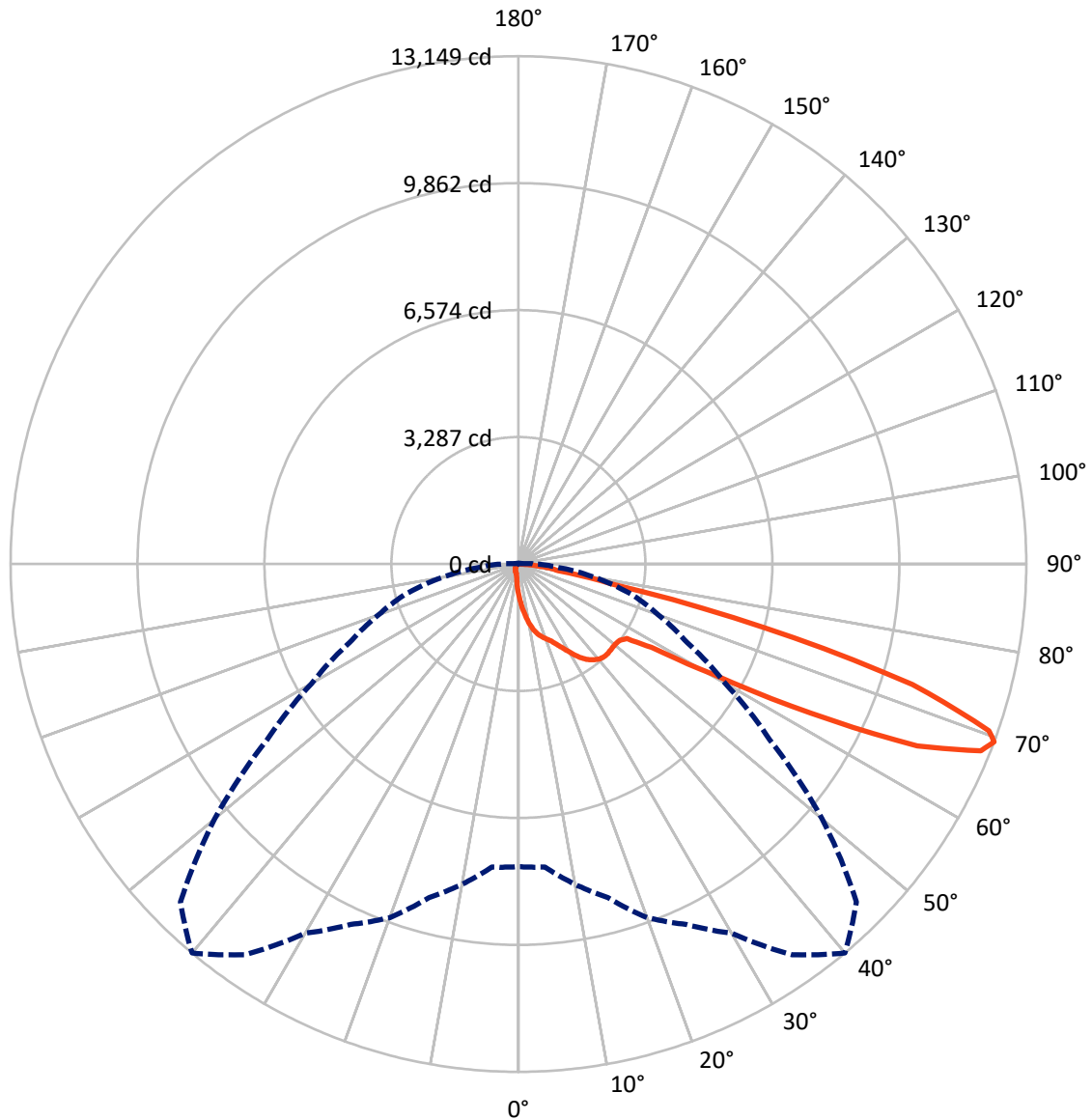
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.8 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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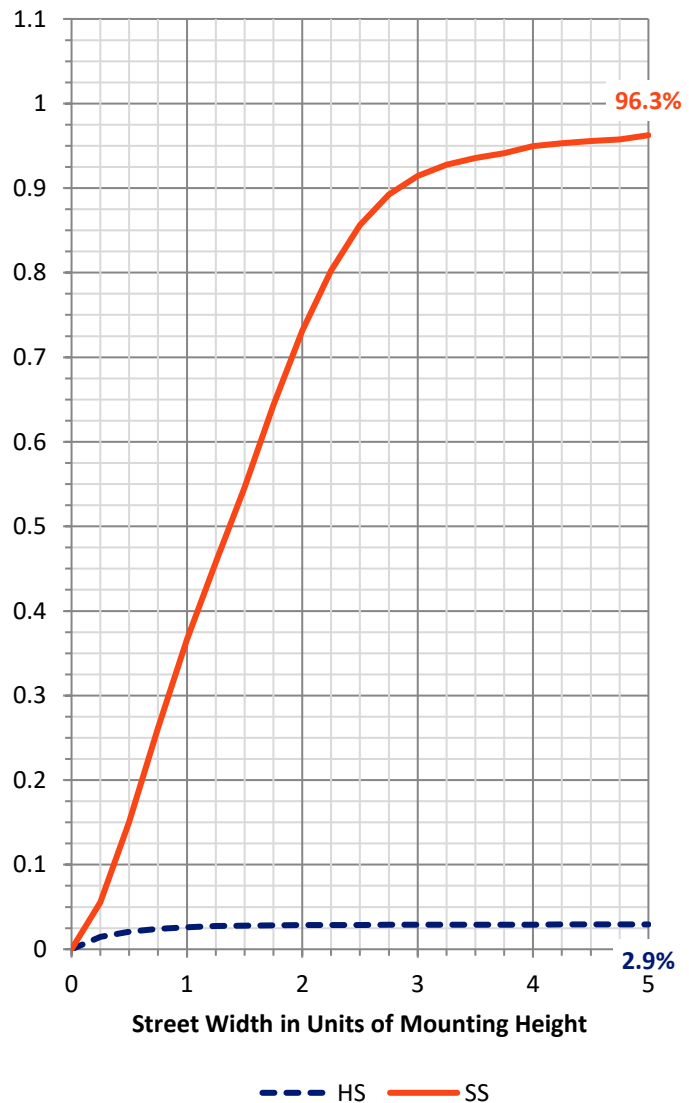
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	308.9	0.0	308.9
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	10064.1	0.0	10064.1
	% Fixture	97.0	0.0	97.0
Total	Lumens	10373.0	0.0	10373.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.5	0.8
10°-20°	277.6	2.7
20°-30°	531.3	5.1
30°-40°	883.6	8.5
40°-50°	1195.7	11.5
50°-60°	1869.9	18.0
60°-70°	3844.4	37.1
70°-80°	1546.9	14.9
80°-90°	143.1	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°	10373.0	100.0
0°-180°	10373.0	100.0



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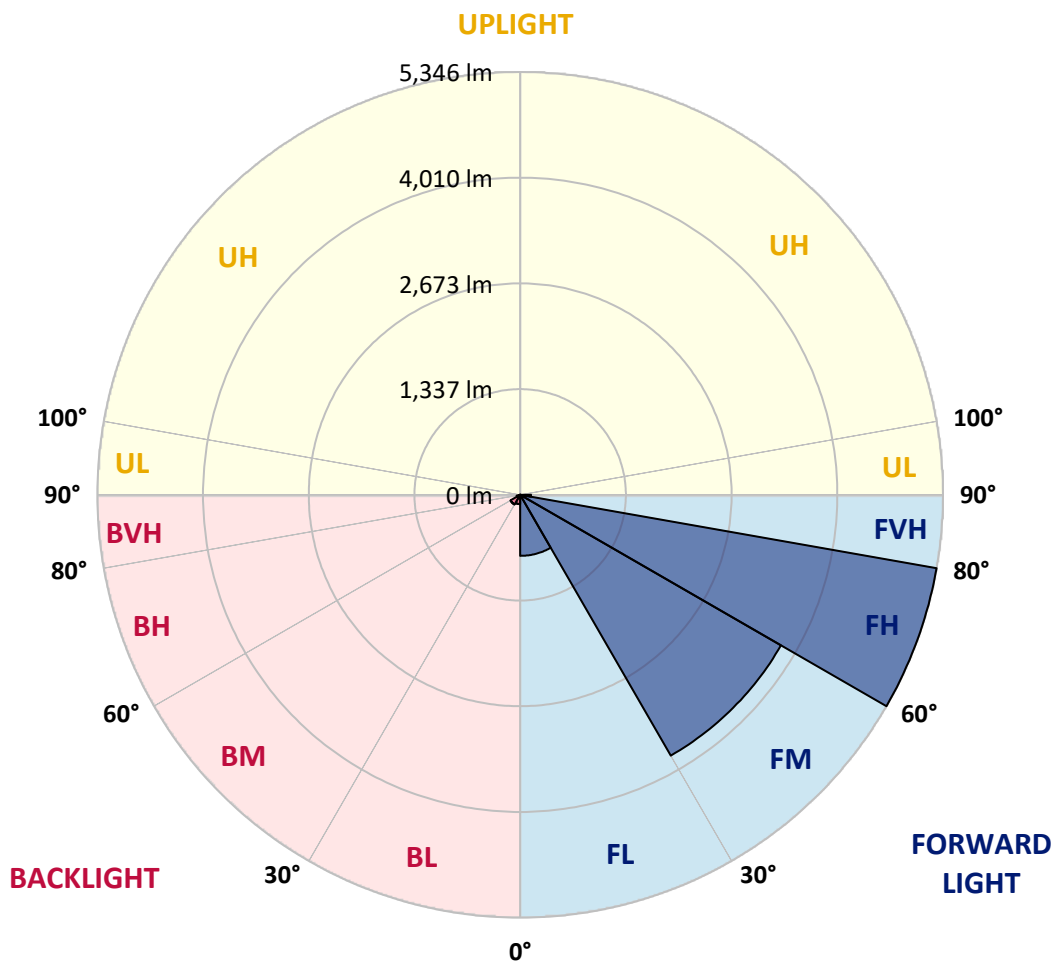
CATALOG NUMBER: ICM-E06-LED-E1-SL4-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	772.0	7.4			
FM	(30°-60°)	3808.1	36.7			
FH	(60°-80°)	5346.3	51.5			G3/7500
FVH	(80°-90°)	137.8	1.3			G2/225
BL	(0°-30°)	117.5	1.1	B1/500		
BM	(30°-60°)	141.0	1.4	B0/220		
BH	(60°-80°)	45.1	0.4	B0/110		G0/110
BVH	(80°-90°)	5.3	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	783.4	783.4	783.4	783.4	783.4	783.4	783.4	783.4	783.4	783.4	783.4
2.5°	1045.0	1033.1	1019.5	1019.5	1002.6	1002.6	992.4	965.2	961.8	946.5	931.2
5°	1334.0	1323.7	1306.7	1291.4	1277.9	1254.1	1237.0	1204.8	1169.1	1135.1	1104.6
7.5°	1616.0	1610.9	1580.3	1575.3	1553.1	1514.1	1480.1	1432.5	1371.3	1323.7	1267.6
10°	1877.7	1865.8	1859.0	1830.2	1797.8	1755.4	1702.7	1644.8	1573.5	1498.8	1418.9
12.5°	2085.0	2078.2	2047.6	2035.7	2001.8	1959.3	1892.9	1818.2	1746.8	1650.0	1556.6
15°	2239.6	2227.7	2207.4	2188.7	2147.8	2110.5	2049.3	1967.7	1881.1	1775.7	1663.5
17.5°	2368.8	2346.7	2341.6	2312.7	2270.2	2226.1	2158.1	2083.3	1981.3	1876.0	1753.7
20°	2542.1	2511.6	2501.3	2458.8	2409.6	2348.4	2270.2	2176.8	2069.7	1954.2	1828.4
22.5°	2746.0	2723.9	2701.9	2664.5	2601.6	2514.9	2401.0	2299.1	2163.2	2035.7	1899.8
25°	3034.9	3016.2	2980.5	2929.5	2851.4	2747.7	2610.1	2460.6	2300.9	2137.7	1978.0
27.5°	3315.3	3298.3	3272.8	3233.7	3145.3	3031.5	2861.6	2671.3	2469.0	2271.9	2095.2
30°	3578.6	3563.4	3537.9	3498.8	3420.6	3308.5	3116.5	2912.6	2661.0	2431.6	2219.3
32.5°	3862.4	3857.3	3828.5	3772.4	3704.4	3553.1	3344.1	3124.9	2870.1	2604.9	2356.9
35°	4183.6	4144.5	4117.3	4061.2	3945.7	3784.3	3539.6	3300.0	3031.5	2759.6	2482.6
37.5°	4455.5	4418.1	4384.1	4312.8	4171.7	3966.1	3689.1	3425.7	3148.8	2871.7	2589.7
40°	4654.3	4635.6	4594.8	4501.3	4343.3	4098.6	3799.6	3512.4	3233.7	2955.0	2676.4
42.5°	4802.2	4773.2	4727.4	4630.5	4443.6	4164.9	3843.7	3548.1	3272.8	3006.0	2732.4
45°	4856.5	4832.7	4790.3	4684.9	4482.6	4183.6	3842.1	3537.9	3274.5	3021.3	2769.8
47.5°	4824.2	4800.4	4763.0	4664.5	4465.7	4161.5	3811.5	3509.0	3257.5	3026.4	2803.8
50°	4717.1	4703.6	4674.7	4591.4	4413.0	4119.0	3784.3	3493.7	3254.1	3051.9	2851.4
52.5°	4707.0	4698.4	4662.8	4579.6	4397.7	4105.4	3780.9	3502.2	3283.0	3084.2	2885.3
55°	5752.0	5631.4	5361.1	5131.8	4754.5	4306.0	3952.5	3639.8	3405.3	3211.6	3072.3
57.5°	8175.2	7995.0	7639.9	7203.2	6336.6	5485.2	4803.8	4311.0	4068.0	3979.7	4032.4
60°	9310.3	9278.0	9221.9	9014.6	8571.1	7838.7	7023.1	6141.2	5787.7	5757.2	5864.1
62.5°	9849.0	9828.5	9845.5	9820.1	9682.4	9468.3	9233.8	8853.2	8503.1	8277.2	7797.9
65°	10097.1	10110.7	10207.5	10284.0	10301.0	10357.0	10528.6	11002.8	11349.4	10766.6	9436.1
67.5°	9466.6	9546.5	9769.1	10047.8	10374.0	10690.1	11199.9	12199.1	12911.1	12226.2	10336.6
69°	7837.0	7876.1	8419.9	8945.0	9741.9	10299.2	11038.4	12348.5	13148.9	12375.8	10265.3
70°	6170.1	6205.7	6788.6	7502.3	8849.8	9566.8	10533.7	12095.4	12926.3	12176.9	9898.2
72.5°	2783.4	2732.4	2938.1	3320.4	4785.1	5923.7	7614.4	9799.7	10664.6	9755.5	7405.4
75°	1943.9	1921.9	1943.9	1945.7	2173.4	2803.8	3537.9	5311.9	6569.3	5668.8	3537.9
77.5°	1505.6	1490.2	1475.0	1458.0	1485.1	1663.5	1735.0	1884.5	2446.9	2314.4	1349.2
80°	1191.2	1177.6	1215.0	1203.1	1203.1	1223.4	1209.9	1153.8	1048.5	972.0	870.1
82.5°	554.0	557.4	557.4	604.9	729.0	851.4	890.4	834.3	740.8	630.4	508.1
85°	52.7	59.4	100.3	154.6	307.5	346.6	348.4	288.8	288.8	227.7	183.5
87.5°	0.0	1.7	1.7	1.7	15.3	42.5	35.7	10.2	5.1	5.1	8.5
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	783.4	783.4	783.4	783.4	783.4	783.4	783.4	783.4	783.4	783.4	783.4
2.5°	904.0	898.9	878.5	858.1	839.4	819.1	800.4	781.7	761.3	746.0	727.3
5°	1056.9	1019.5	977.1	936.3	895.5	853.0	808.8	769.8	729.0	691.6	655.9
7.5°	1211.5	1138.5	1080.8	1007.6	941.4	875.2	814.0	751.1	693.3	638.9	587.9
10°	1342.4	1254.1	1164.0	1070.5	975.4	887.0	802.1	727.3	650.8	584.6	521.7
12.5°	1449.5	1337.3	1226.9	1109.6	1002.6	890.4	785.0	695.0	604.9	530.1	465.6
15°	1546.3	1417.2	1284.7	1148.7	1012.8	885.3	768.1	655.9	564.2	479.2	406.1
17.5°	1624.5	1476.7	1327.2	1174.2	1028.1	878.5	746.0	628.7	521.7	433.3	362.0
20°	1692.5	1537.9	1376.4	1204.8	1038.2	876.8	727.3	594.7	484.3	390.8	321.1
22.5°	1755.4	1600.8	1427.4	1243.8	1053.6	875.2	710.3	569.2	452.0	358.5	288.8
25°	1826.7	1663.5	1481.8	1284.7	1080.8	882.0	700.1	548.8	423.1	328.0	263.4
27.5°	1906.6	1735.0	1546.3	1335.6	1116.4	895.5	696.7	526.8	397.6	299.1	243.0
30°	2018.7	1819.9	1610.9	1386.6	1148.7	910.8	693.3	513.2	372.1	277.0	222.6
32.5°	2117.3	1903.2	1682.2	1439.3	1184.4	926.1	691.6	494.5	348.4	254.9	207.4
35°	2220.9	1979.6	1743.5	1490.2	1215.0	943.1	689.9	480.9	326.2	232.8	192.0
37.5°	2311.0	2044.2	1791.0	1534.4	1248.9	958.4	691.6	469.0	305.9	214.1	178.4
40°	2387.5	2110.5	1843.7	1575.3	1284.7	982.1	693.3	457.1	285.5	197.1	166.5
42.5°	2455.5	2173.4	1899.8	1621.1	1325.4	1009.4	703.5	446.9	268.5	181.9	154.6
45°	2508.1	2231.2	1960.9	1685.7	1391.7	1053.6	722.1	440.1	251.5	168.2	144.5
47.5°	2562.5	2316.1	2064.6	1787.6	1488.6	1123.2	754.5	438.4	237.9	158.0	135.9
50°	2637.2	2401.0	2156.4	1891.3	1576.9	1194.6	793.6	440.1	220.9	147.8	127.4
52.5°	2691.6	2487.7	2275.4	2071.4	1787.6	1412.1	944.7	470.7	212.4	139.3	117.2
55°	3012.8	2977.1	2982.3	3016.2	2796.9	2402.8	1580.3	679.7	249.8	158.0	115.5
57.5°	4248.2	4373.9	4447.0	4445.2	4083.4	3386.6	2122.3	873.4	278.7	183.5	137.7
60°	5872.7	5777.5	5643.3	5311.9	4831.0	3865.8	2373.9	939.7	241.3	146.1	125.8
62.5°	7308.5	6751.2	6256.7	5719.8	5089.3	4032.4	2424.9	934.6	210.7	110.4	88.4
65°	8204.1	7201.5	6402.8	5729.9	4987.4	3893.0	2294.0	858.1	178.4	90.0	73.0
67.5°	8418.2	6958.5	5828.5	4970.4	4166.6	3029.8	1684.0	645.7	139.3	74.8	64.6
69°	7950.8	6185.3	4829.3	3855.7	3031.5	2010.2	1041.7	407.8	107.1	68.0	59.4
70°	7313.6	5379.8	3933.8	3094.3	2244.8	1412.1	729.0	287.2	86.7	62.9	54.4
72.5°	4705.2	2825.9	1933.8	1345.8	926.1	562.4	285.5	129.1	66.2	52.7	44.2
75°	1825.0	1045.0	757.9	576.1	450.3	312.7	173.3	83.3	56.1	44.2	34.0
77.5°	898.9	688.2	562.4	385.8	224.3	139.3	93.5	64.6	45.9	32.3	22.0
80°	710.3	472.4	282.0	175.1	132.6	100.3	71.3	52.7	34.0	20.4	15.3
82.5°	363.6	198.8	146.1	119.0	98.5	78.1	57.8	37.4	22.0	13.6	11.9
85°	113.9	83.3	74.8	73.0	68.0	56.1	40.7	23.8	13.6	8.5	8.5
87.5°	8.5	11.9	15.3	11.9	13.6	11.9	15.3	10.2	6.8	6.8	5.1
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	783.4	783.4	783.4	783.4	783.4	783.4	783.4	783.4	783.4	783.4	783.4
2.5°	713.7	693.3	674.6	662.7	640.7	632.1	623.6	620.2	604.9	608.4	594.7
5°	623.6	587.9	560.7	533.6	508.1	489.4	474.0	455.4	440.1	433.3	419.7
7.5°	542.0	496.2	460.5	431.6	401.0	377.2	356.8	343.3	329.7	316.1	309.3
10°	470.7	421.4	380.7	351.7	322.9	302.5	287.2	277.0	268.5	263.4	261.7
12.5°	404.5	356.8	319.4	294.0	271.9	261.7	254.9	249.8	248.1	246.4	246.4
15°	353.5	305.9	277.0	258.3	248.1	243.0	241.3	237.9	234.5	232.8	232.8
17.5°	305.9	270.1	249.8	239.6	234.5	231.1	227.7	224.3	220.9	219.2	219.2
20°	273.6	244.7	234.5	227.7	222.6	219.2	214.1	210.7	209.0	207.4	205.6
22.5°	248.1	229.4	222.6	217.5	210.7	205.6	202.2	198.8	195.4	193.7	192.0
25°	229.4	217.5	212.4	205.6	198.8	193.7	188.7	183.5	180.1	178.4	175.1
27.5°	215.8	207.4	200.6	192.0	185.2	180.1	175.1	170.0	166.5	163.2	161.4
30°	203.9	195.4	186.9	180.1	171.6	166.5	159.7	154.6	152.9	149.5	146.1
32.5°	192.0	183.5	175.1	166.5	158.0	151.3	147.8	141.0	137.7	135.9	132.6
35°	178.4	170.0	159.7	152.9	144.5	137.7	132.6	127.4	124.0	120.7	119.0
37.5°	166.5	156.4	146.1	137.7	130.9	124.0	119.0	113.9	110.4	107.1	105.4
40°	152.9	142.7	132.6	124.0	117.2	112.2	107.1	102.0	98.5	96.8	96.8
42.5°	141.0	129.1	119.0	112.2	107.1	100.3	95.2	90.0	88.4	86.7	88.4
45°	129.1	117.2	108.7	102.0	96.8	90.0	84.9	81.6	79.9	81.6	83.3
47.5°	119.0	107.1	98.5	93.5	88.4	83.3	78.1	74.8	74.8	78.1	81.6
50°	108.7	96.8	90.0	86.7	81.6	76.5	69.7	68.0	69.7	73.0	76.5
52.5°	98.5	84.9	79.9	78.1	73.0	68.0	62.9	61.2	62.9	66.2	64.6
55°	88.4	74.8	73.0	71.3	66.2	59.4	54.4	54.4	54.4	52.7	49.3
57.5°	84.9	66.2	64.6	62.9	57.8	51.0	47.5	44.2	42.5	37.4	35.7
60°	88.4	59.4	59.4	56.1	51.0	44.2	39.1	34.0	30.6	27.2	27.2
62.5°	71.3	54.4	52.7	49.3	42.5	35.7	30.6	25.5	23.8	22.0	22.0
65°	57.8	49.3	45.9	40.7	35.7	28.9	23.8	20.4	18.7	18.7	20.4
67.5°	52.7	44.2	39.1	34.0	28.9	22.0	18.7	17.0	17.0	18.7	18.7
69°	49.3	40.7	35.7	30.6	25.5	20.4	17.0	17.0	17.0	17.0	18.7
70°	45.9	39.1	34.0	28.9	22.0	17.0	15.3	15.3	17.0	17.0	18.7
72.5°	35.7	30.6	28.9	23.8	17.0	15.3	13.6	15.3	15.3	17.0	17.0
75°	27.2	22.0	22.0	18.7	13.6	11.9	11.9	13.6	13.6	15.3	15.3
77.5°	18.7	15.3	15.3	13.6	11.9	10.2	10.2	11.9	13.6	13.6	15.3
80°	13.6	11.9	10.2	11.9	10.2	8.5	10.2	11.9	11.9	13.6	13.6
82.5°	10.2	10.2	10.2	10.2	8.5	8.5	10.2	10.2	11.9	13.6	13.6
85°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	10.2	10.2	11.9	11.9
87.5°	5.1	5.1	5.1	6.8	6.8	8.5	8.5	8.5	8.5	10.2	10.2
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):

	165°	170°	175°	180°
0°	783.4	783.4	783.4	783.4
2.5°	591.4	589.7	582.9	584.6
5°	414.6	404.5	411.3	409.5
7.5°	304.2	302.5	300.7	304.2
10°	260.0	260.0	258.3	260.0
12.5°	244.7	244.7	244.7	244.7
15°	232.8	232.8	231.1	231.1
17.5°	219.2	219.2	219.2	217.5
20°	205.6	203.9	203.9	203.9
22.5°	190.3	188.7	188.7	188.7
25°	175.1	173.3	173.3	173.3
27.5°	159.7	158.0	156.4	156.4
30°	144.5	142.7	141.0	141.0
32.5°	129.1	127.4	125.8	125.8
35°	115.5	115.5	113.9	112.2
37.5°	103.6	103.6	103.6	103.6
40°	95.2	96.8	96.8	96.8
42.5°	90.0	91.7	93.5	95.2
45°	86.7	90.0	91.7	91.7
47.5°	84.9	86.7	88.4	88.4
50°	78.1	76.5	76.5	76.5
52.5°	62.9	59.4	57.8	56.1
55°	45.9	44.2	40.7	40.7
57.5°	32.3	32.3	30.6	30.6
60°	25.5	25.5	23.8	25.5
62.5°	22.0	22.0	22.0	22.0
65°	20.4	20.4	20.4	20.4
67.5°	20.4	20.4	20.4	20.4
69°	18.7	18.7	18.7	18.7
70°	18.7	18.7	18.7	18.7
72.5°	17.0	17.0	17.0	17.0
75°	15.3	17.0	17.0	17.0
77.5°	15.3	15.3	15.3	15.3
80°	13.6	13.6	15.3	15.3
82.5°	13.6	13.6	13.6	13.6
85°	11.9	11.9	13.6	13.6
87.5°	10.2	10.2	11.9	11.9
90°	0.0	0.0	0.0	0.0

(END OF REPORT)