

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: P314568

Luminaire Tested: **MPN-A6-D-U-ASYM-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P314568
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1906-378-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: MPN-A6-D-U-ASYM-7030
Description: NEW HAVEN POST TOP LUMINAIRE
(1) 70 CRI, 3000K LIGHT ENGINE. ASYMMETRIC DISTRIBUTION.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5525 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.58')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U4 - G4

Input Watts (W): 64.8
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



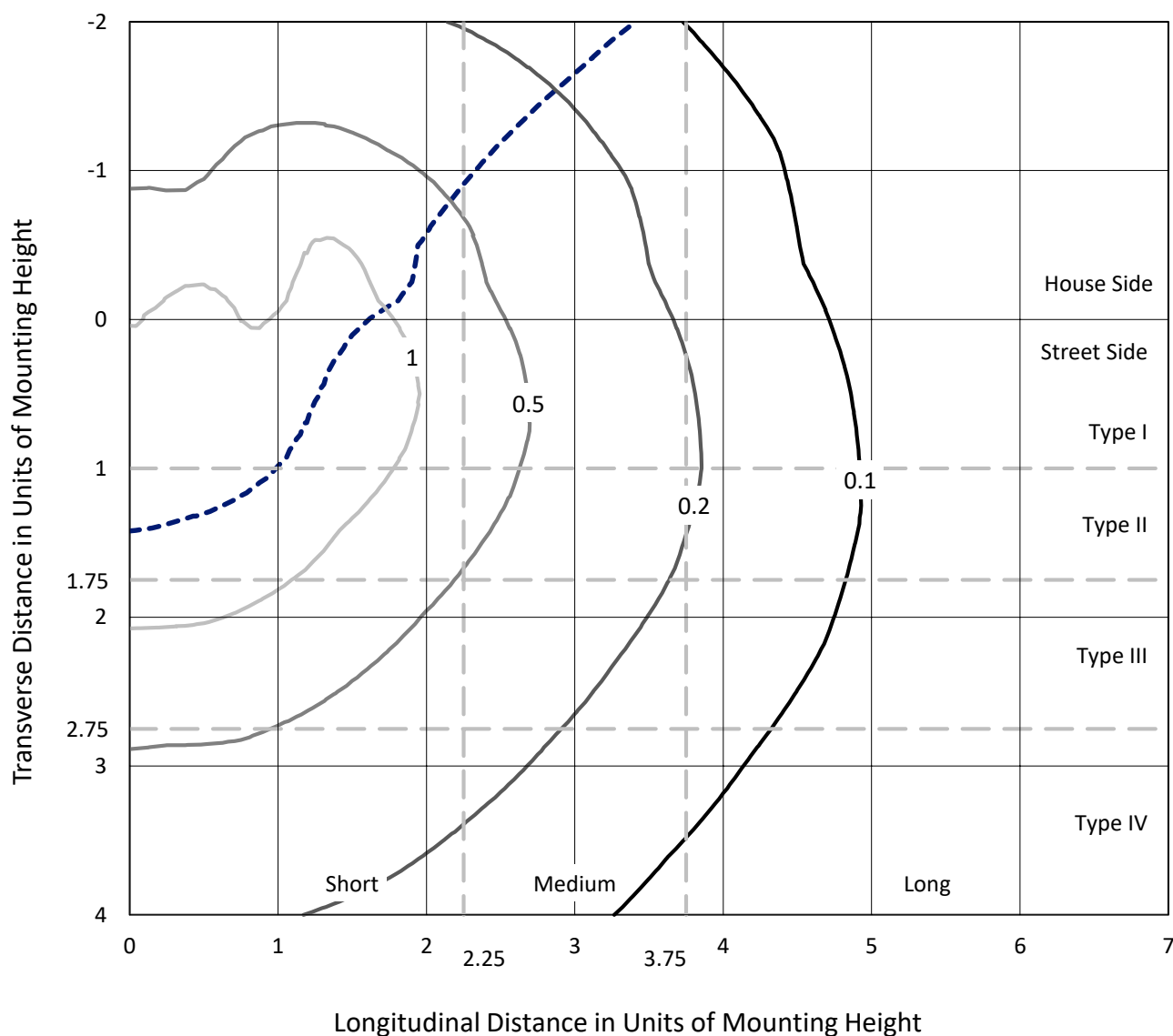
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

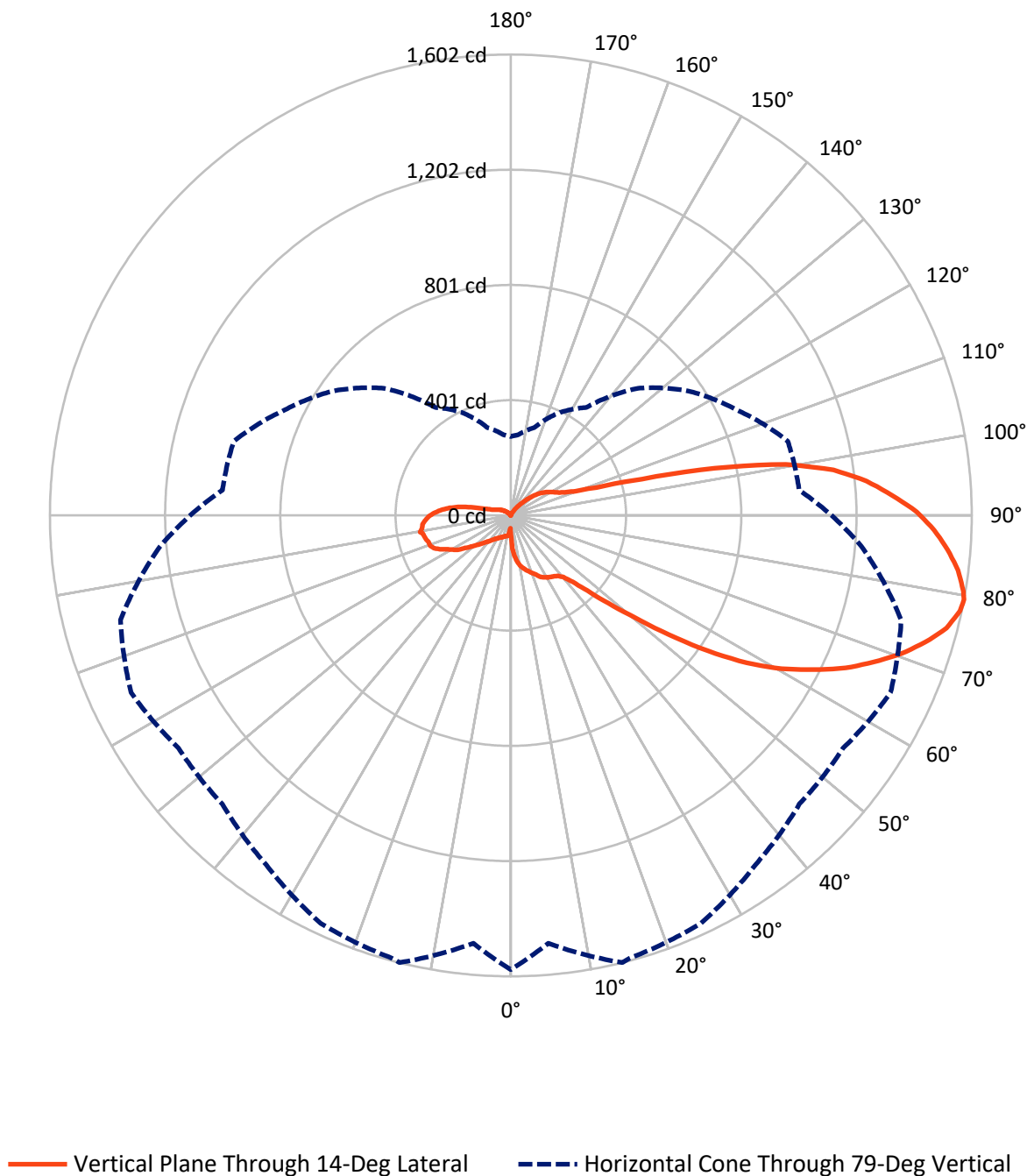


Based on 10 foot mounting height. Maximum calculated value = 1.8 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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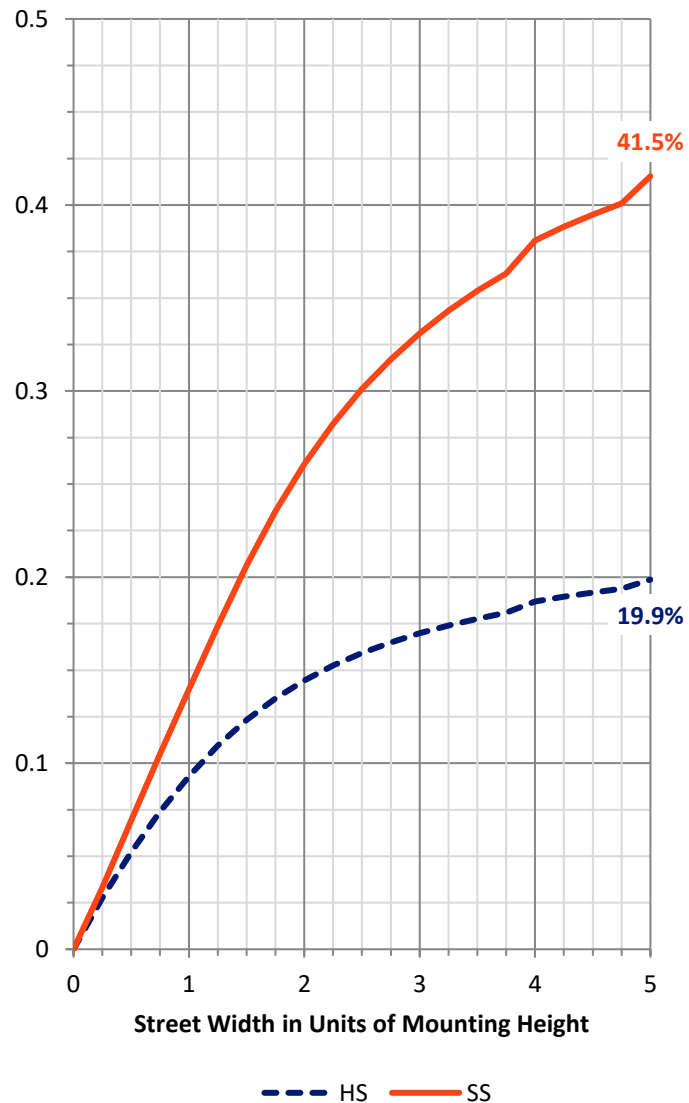
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1249.9	462.7	1712.6
	% Fixture	22.6	8.4	31.0
Street Side	Lumens	2752.7	1059.7	3812.4
	% Fixture	49.8	19.2	69.0
Total	Lumens	4002.6	1522.4	5525.0
	% Fixture	72.4	27.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	0.2
10°-20°	39.6	0.7
20°-30°	77.4	1.4
30°-40°	118.0	2.1
40°-50°	221.6	4.0
50°-60°	532.9	9.6
60°-70°	853.3	15.4
70°-80°	1071.3	19.4
80°-90°	1078.2	19.5
90°-100°	880.1	15.9
100°-110°	372.3	6.7
110°-120°	128.8	2.3
120°-130°	85.8	1.6
130°-140°	42.5	0.8
140°-150°	12.2	0.2
150°-160°	0.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4002.6	72.4
0°-180°	5525.0	100.0

Coefficient of Utilization



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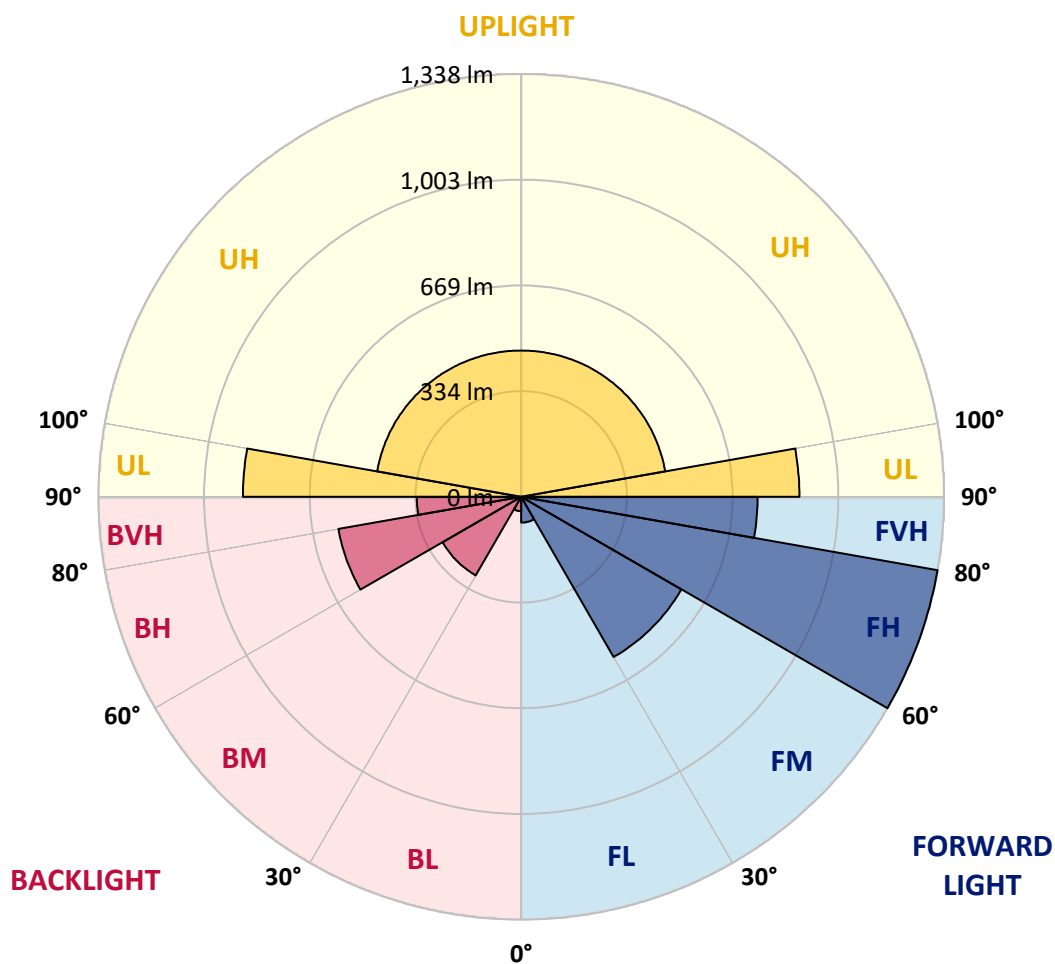
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	81.8	1.5			
FM	(30°-60°)	585.2	10.6			
FH	(60°-80°)	1337.6	24.2			G1/1800
FVH	(80°-90°)	748.1	13.5			G4/750
BL	(0°-30°)	45.5	0.8	B0/110		
BM	(30°-60°)	287.3	5.2	B1/1000		
BH	(60°-80°)	587.0	10.6	B2/1000		G2/1000
BVH	(80°-90°)	330.1	6.0			G3/500
UL	(90°-100°)	880.1	15.9		U4/1000	
UH	(100°-180°)	462.7	8.4		U3/500	

BUG Rating: B2-U4-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	14°	15°	25°	35°	45°	55°	65°	75°	85°
0°	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
2.5°	120.5	116.8	116.8	116.8	114.0	109.4	104.8	102.0	95.5	89.9	81.6
5°	146.5	144.6	142.8	142.8	140.0	139.1	134.4	127.0	119.6	112.2	102.9
7.5°	166.0	164.1	162.3	163.2	159.5	155.8	151.1	144.6	137.2	129.8	120.5
10°	178.9	178.0	177.1	177.1	172.4	167.8	162.3	156.7	148.3	140.0	129.8
12.5°	188.2	187.3	187.3	187.3	182.6	176.2	171.5	165.0	157.6	148.3	138.1
15°	197.5	197.5	196.6	195.6	191.0	185.4	180.8	175.2	167.8	157.6	147.4
17.5°	206.8	205.8	204.9	204.9	200.3	194.7	190.1	185.4	176.2	166.0	155.8
20°	217.9	216.0	214.2	214.2	209.5	203.0	199.3	194.7	185.4	175.2	164.1
22.5°	229.0	227.2	223.4	223.4	219.7	212.3	210.5	204.9	195.6	184.5	173.4
25°	241.1	240.1	236.4	235.5	230.9	221.6	219.7	215.1	204.9	193.8	182.6
27.5°	250.3	249.4	243.8	243.8	240.1	231.8	227.2	221.6	211.4	199.3	190.1
30°	256.8	255.9	250.3	249.4	244.8	239.2	233.6	225.3	215.1	203.0	194.7
32.5°	259.6	259.6	255.0	254.0	248.5	243.8	238.3	229.9	217.0	205.8	196.6
35°	265.2	264.2	259.6	258.7	252.2	248.5	241.1	230.9	218.8	207.7	198.4
37.5°	270.7	270.7	267.0	266.1	258.7	255.0	247.5	238.3	225.3	214.2	204.0
40°	283.7	284.6	281.9	280.9	273.5	271.7	265.2	258.7	249.4	238.3	220.7
42.5°	313.4	314.3	315.2	313.4	307.8	305.0	299.5	298.5	290.2	276.3	259.6
45°	364.4	369.9	372.7	369.9	362.5	361.6	357.0	358.8	352.3	338.4	317.1
47.5°	442.2	446.0	456.2	456.2	446.0	443.2	439.5	440.4	440.4	424.6	392.2
50°	540.5	547.9	555.4	560.9	556.3	548.9	544.2	553.5	560.9	538.7	495.1
52.5°	660.1	667.5	689.8	687.9	682.4	678.7	681.5	699.1	715.8	696.3	626.7
55°	800.1	810.3	830.7	835.4	824.2	819.6	816.8	842.8	870.6	850.2	756.5
57.5°	940.1	950.3	967.9	975.4	960.5	945.7	918.8	947.5	981.8	955.9	842.8
60°	1056.9	1062.5	1082.0	1090.3	1074.6	1053.2	1004.1	1032.8	1070.9	1043.0	916.0
62.5°	1162.6	1164.5	1180.3	1187.7	1169.1	1146.9	1088.5	1113.5	1145.0	1118.1	980.0
65°	1246.1	1245.2	1278.5	1281.3	1252.6	1222.0	1166.3	1189.5	1214.6	1185.8	1032.8
67.5°	1330.5	1320.3	1360.1	1362.9	1334.2	1294.3	1237.7	1249.8	1265.6	1244.2	1091.2
70°	1400.0	1387.0	1439.9	1444.5	1401.8	1349.0	1303.6	1311.0	1334.2	1300.8	1139.5
72.5°	1472.3	1440.8	1506.6	1509.4	1470.4	1400.9	1355.5	1353.6	1380.5	1343.4	1175.6
75°	1530.7	1469.5	1564.1	1560.4	1524.2	1446.3	1396.3	1392.6	1427.8	1383.3	1202.5
77.5°	1584.5	1496.4	1596.5	1592.8	1559.5	1474.2	1418.5	1414.8	1452.8	1405.5	1226.6
79°	1578.9	1492.7	1602.1	1593.8	1564.1	1482.5	1418.5	1410.2	1456.5	1404.6	1222.9
80°	1579.9	1481.6	1594.7	1587.3	1554.8	1474.2	1403.7	1390.7	1432.4	1381.4	1205.3
82.5°	1542.8	1455.6	1565.9	1554.8	1529.8	1455.6	1385.2	1375.0	1430.6	1374.0	1197.9
85°	1503.8	1415.7	1523.3	1515.9	1492.7	1419.5	1347.1	1322.1	1371.2	1315.6	1156.1
87.5°	1442.6	1365.7	1472.3	1466.7	1444.5	1379.6	1303.6	1285.9	1337.9	1287.8	1127.4
90°	1389.8	1313.8	1411.1	1405.5	1385.2	1322.1	1252.6	1249.8	1302.6	1252.6	1091.2
92.5°	1309.1	1237.7	1327.7	1321.2	1306.3	1252.6	1188.6	1180.3	1223.8	1168.2	1021.7
95°	1228.5	1159.9	1242.4	1239.6	1220.1	1173.8	1112.6	1096.8	1140.4	1099.6	962.4
97.5°	1121.8	1056.9	1133.0	1132.0	1118.1	1074.6	1022.6	1016.1	1061.6	1019.9	896.5
100°	956.8	900.3	972.6	964.2	966.1	930.9	888.2	901.2	946.6	916.9	805.7
102.5°	711.1	683.3	726.9	730.6	733.4	709.3	693.5	691.6	735.2	708.3	619.3
105°	463.6	450.6	472.8	476.6	471.0	453.4	410.7	414.4	419.1	396.8	344.9
107.5°	309.7	304.1	313.4	315.2	310.6	295.8	270.7	267.9	269.8	257.7	226.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	14°	15°	25°	35°	45°	55°	65°	75°	85°
110°	237.3	234.6	240.1	241.1	237.3	223.4	209.5	208.6	210.5	202.1	180.8
112.5°	203.0	201.2	204.0	204.0	201.2	191.0	182.6	182.6	185.4	178.9	161.3
115°	185.4	183.6	184.5	185.4	181.7	172.4	166.0	167.8	170.6	165.0	149.3
117.5°	172.4	171.5	171.5	171.5	168.7	160.4	156.7	157.6	160.4	154.8	140.9
120°	161.3	161.3	160.4	160.4	157.6	151.1	148.3	150.2	152.1	147.4	134.4
122.5°	150.2	150.2	149.3	149.3	147.4	141.9	140.0	142.8	144.6	139.1	127.9
125°	138.1	138.1	136.3	136.3	134.4	131.7	130.7	133.5	135.4	130.7	119.6
127.5°	125.2	125.2	122.4	123.3	120.5	119.6	119.6	123.3	125.2	121.5	111.3
130°	111.3	110.3	106.6	107.5	105.7	105.7	107.5	110.3	112.2	108.5	100.1
132.5°	94.6	94.6	89.9	90.9	89.9	90.9	92.7	95.5	96.4	94.6	87.2
135°	77.9	77.9	74.2	75.1	74.2	74.2	77.0	78.8	80.7	78.8	72.3
137.5°	62.1	62.1	58.4	59.3	58.4	57.5	59.3	60.3	61.2	59.3	56.6
140°	48.2	48.2	46.4	46.4	44.5	43.6	44.5	45.4	45.4	44.5	42.6
142.5°	38.0	38.9	37.1	37.1	34.3	34.3	34.3	35.2	35.2	35.2	33.4
145°	28.7	29.7	27.8	27.8	26.0	26.0	26.0	26.9	26.9	26.9	25.0
147.5°	20.4	20.4	19.5	19.5	17.6	18.5	18.5	19.5	19.5	18.5	17.6
150°	10.2	10.2	10.2	10.2	10.2	10.2	11.1	11.1	11.1	11.1	10.2
152.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.0	0.0
165°	0.0	0.0	0.0	0.9	0.0	0.9	0.9	0.9	0.9	0.0	0.0
167.5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0
170°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0
172.5°	0.9	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0
175°	0.9	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
177.5°	0.9	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
2.5°	78.8	75.1	69.5	64.0	57.5	52.8	48.2	46.4	44.5	42.6	42.6
5°	97.4	92.7	85.3	77.0	72.3	65.8	62.1	58.4	56.6	56.6	56.6
7.5°	116.8	112.2	102.0	90.9	85.3	77.9	75.1	71.4	68.6	65.8	64.9
10°	125.2	120.5	111.3	102.0	94.6	87.2	80.7	77.0	72.3	69.5	69.5
12.5°	133.5	127.9	118.7	109.4	100.1	90.9	84.4	78.8	74.2	70.5	69.5
15°	141.9	136.3	126.1	115.9	104.8	94.6	87.2	80.7	75.1	71.4	70.5
17.5°	150.2	144.6	133.5	122.4	110.3	99.2	90.9	82.5	77.0	73.2	72.3
20°	158.5	152.1	140.9	128.9	115.9	104.8	93.6	85.3	79.7	76.0	75.1
22.5°	167.8	160.4	148.3	135.4	121.5	110.3	97.4	88.1	81.6	78.8	78.8
25°	177.1	167.8	155.8	140.9	127.9	115.9	101.1	90.9	84.4	82.5	83.4
27.5°	183.6	173.4	161.3	146.5	132.6	120.5	105.7	93.6	87.2	87.2	87.2
30°	187.3	178.9	166.0	151.1	138.1	125.2	109.4	97.4	90.9	90.9	90.9
32.5°	189.1	180.8	167.8	153.9	141.9	129.8	113.1	101.1	94.6	95.5	95.5
35°	191.0	183.6	170.6	156.7	145.6	132.6	117.7	105.7	100.1	101.1	100.1
37.5°	195.6	187.3	174.3	160.4	150.2	137.2	123.3	111.3	106.6	107.5	106.6
40°	210.5	200.3	186.4	169.7	159.5	144.6	130.7	117.7	115.0	115.0	114.0
42.5°	241.1	227.2	210.5	190.1	175.2	156.7	140.9	127.0	123.3	122.4	121.5
45°	293.0	270.7	253.1	223.4	200.3	176.2	155.8	138.1	133.5	131.7	130.7
47.5°	359.7	333.8	310.6	278.1	242.0	204.9	178.0	153.9	146.5	142.8	140.9
50°	457.1	413.5	382.9	343.0	296.7	244.8	205.8	174.3	161.3	153.0	151.1
52.5°	573.9	516.4	484.0	427.4	363.4	293.9	241.1	195.6	177.1	166.0	165.0
55°	694.4	622.1	584.1	520.1	433.9	352.3	281.9	222.5	196.6	181.7	179.9
57.5°	775.1	696.3	659.2	591.5	493.2	406.1	319.9	247.5	222.5	199.3	197.5
60°	836.3	751.9	717.6	636.0	534.0	447.8	346.8	271.7	236.4	214.2	210.5
62.5°	889.1	798.3	771.4	674.0	571.1	477.5	369.0	293.0	252.2	232.7	226.2
65°	942.0	849.3	816.8	716.7	600.8	507.1	390.3	318.0	276.3	248.5	248.5
67.5°	992.0	897.5	863.2	757.5	637.9	535.9	405.2	338.4	293.0	265.2	265.2
70°	1037.5	932.7	905.8	794.6	674.0	559.1	404.2	357.9	302.2	277.2	266.1
72.5°	1075.5	965.2	939.2	827.0	702.8	584.1	414.4	377.3	302.2	280.9	274.4
75°	1095.9	988.3	971.6	846.5	734.3	604.5	431.1	379.2	309.7	280.0	275.4
77.5°	1120.0	1008.7	992.0	863.2	748.2	620.3	448.7	392.2	313.4	281.9	273.5
79°	1114.4	1006.0	996.7	866.9	753.8	624.9	458.0	393.1	316.2	280.9	274.4
80°	1101.4	998.5	983.7	852.0	747.3	617.5	458.0	393.1	325.4	279.1	271.7
82.5°	1090.3	989.3	976.3	847.4	736.2	604.5	458.9	392.2	315.2	273.5	267.0
85°	1056.9	962.4	942.9	820.5	719.5	589.7	452.4	387.5	313.4	260.5	256.8
87.5°	1024.5	932.7	918.8	797.3	696.3	571.1	444.1	376.4	301.3	251.3	248.5
90°	992.0	901.2	884.5	769.5	667.5	541.5	421.9	360.7	289.3	234.6	235.5
92.5°	929.9	848.3	830.7	724.1	625.8	509.0	395.9	336.6	269.8	222.5	217.9
95°	873.4	796.4	778.8	681.5	585.0	476.6	363.4	310.6	246.6	204.0	201.2
97.5°	816.8	740.8	722.2	632.3	537.7	436.7	327.3	279.1	217.9	181.7	176.2
100°	728.7	660.1	636.0	551.7	457.1	374.6	273.5	233.6	181.7	151.1	144.6
102.5°	551.7	496.0	471.0	411.7	324.5	267.9	198.4	172.4	133.5	114.0	110.3
105°	307.8	280.0	268.9	234.6	195.6	162.3	124.2	115.0	91.8	81.6	80.7
107.5°	205.8	189.1	180.8	164.1	137.2	115.0	89.9	84.4	69.5	62.1	61.2



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CATALOG NUMBER: MPN-A6-D-U-ASYM-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	166.9	154.8	147.4	133.5	113.1	94.6	75.1	70.5	58.4	52.8	51.9
112.5°	150.2	138.1	131.7	118.7	100.1	83.4	66.8	62.1	51.9	47.3	46.4
115°	139.1	128.9	121.5	109.4	91.8	76.0	61.2	56.6	48.2	42.6	41.7
117.5°	131.7	121.5	114.0	102.0	86.2	70.5	57.5	51.9	43.6	38.0	38.0
120°	125.2	115.9	108.5	96.4	80.7	65.8	52.8	46.4	38.9	33.4	33.4
122.5°	119.6	110.3	102.9	89.9	74.2	59.3	48.2	40.8	34.3	28.7	28.7
125°	113.1	104.8	96.4	83.4	67.7	53.8	42.6	35.2	28.7	24.1	24.1
127.5°	104.8	97.4	88.1	75.1	61.2	47.3	38.0	30.6	24.1	20.4	20.4
130°	95.5	87.2	77.9	65.8	52.8	40.8	31.5	26.0	20.4	17.6	16.7
132.5°	82.5	76.0	66.8	56.6	44.5	34.3	26.0	21.3	16.7	13.9	13.9
135°	69.5	63.0	55.6	45.4	36.2	26.9	20.4	16.7	13.9	11.1	11.1
137.5°	53.8	49.1	43.6	35.2	26.9	20.4	15.8	13.0	10.2	8.3	8.3
140°	40.8	38.0	33.4	26.0	20.4	15.8	12.1	10.2	8.3	6.5	5.6
142.5°	31.5	29.7	26.0	20.4	15.8	12.1	9.3	7.4	5.6	4.6	3.7
145°	24.1	22.3	19.5	14.8	11.1	8.3	6.5	4.6	3.7	2.8	1.9
147.5°	17.6	15.8	13.0	10.2	7.4	4.6	3.7	2.8	1.9	0.9	0.9
150°	9.3	8.3	7.4	5.6	3.7	1.9	0.9	0.9	0.0	0.0	0.0
152.5°	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)