

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: McGRAW-EDISON

Report Number: P198383

Luminaire Tested: **TT-C3-LED-E1-MQ-CG-MS/DIM-8030-UPL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198383
REPORT IS FROM IESNA LM-79-08 TEST DATA - UPLIGHT (P27139) AND DOWNLIGHT
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: TT-C3-LED-E1-MQ-CG-MS/DIM-8030-UPL
Description: TOPTIER LED PARKING GARAGE LUMINAIRE WITH UPLIGHT
MEDIUM DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (168) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5476.9 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.12' x H: 0.1')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U4 - G2

Input Watts (W): 62.4
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

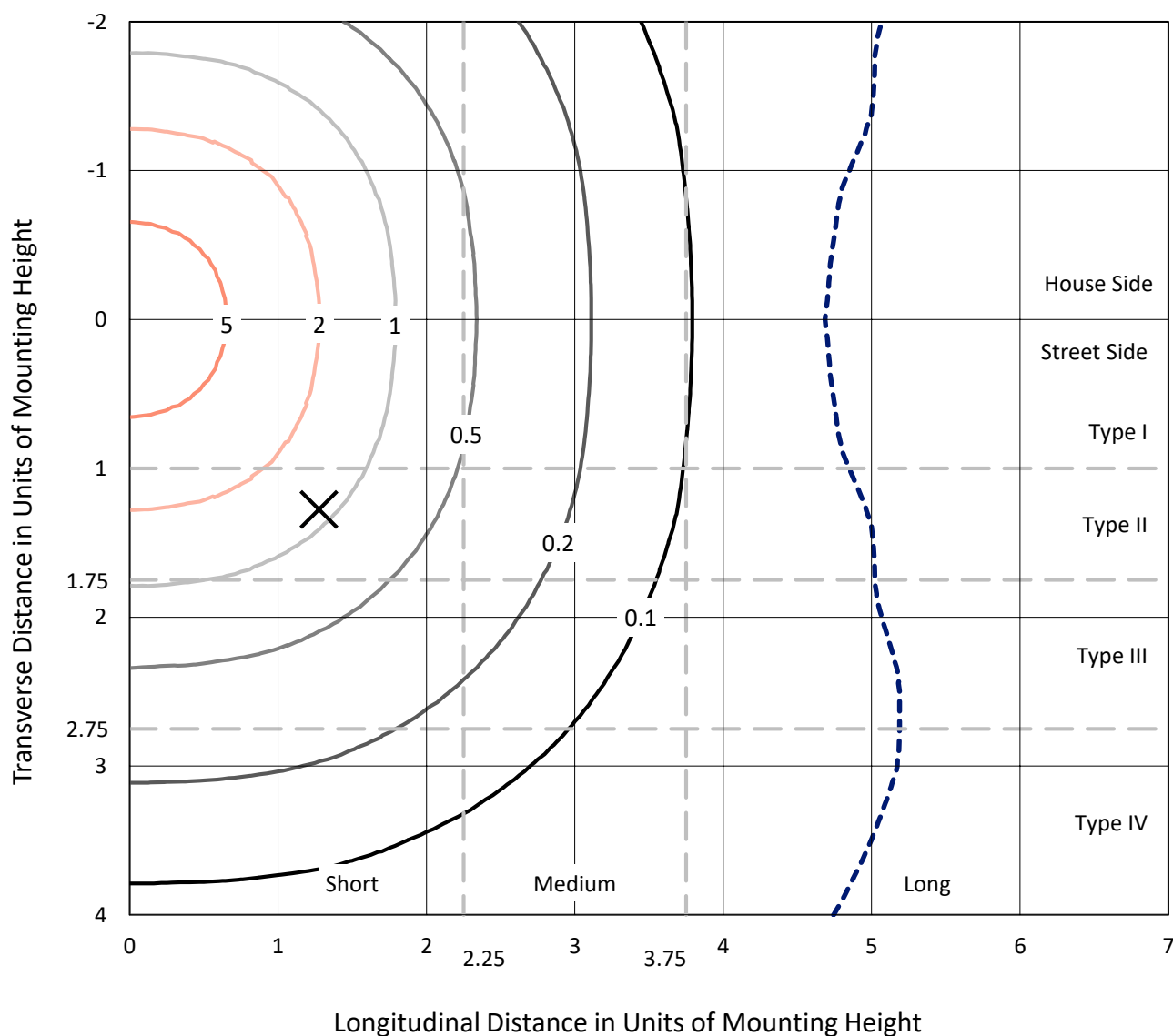


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

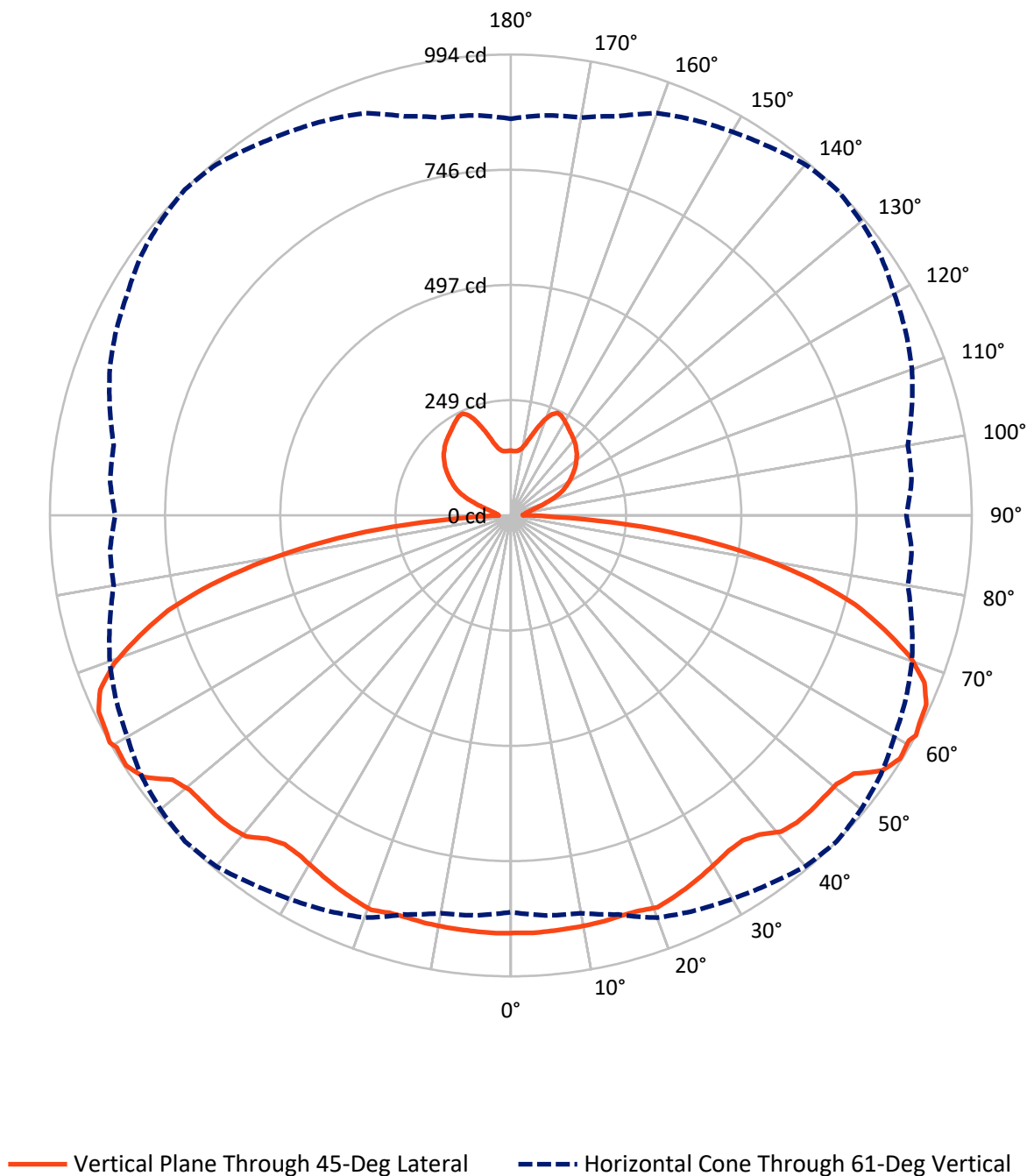


Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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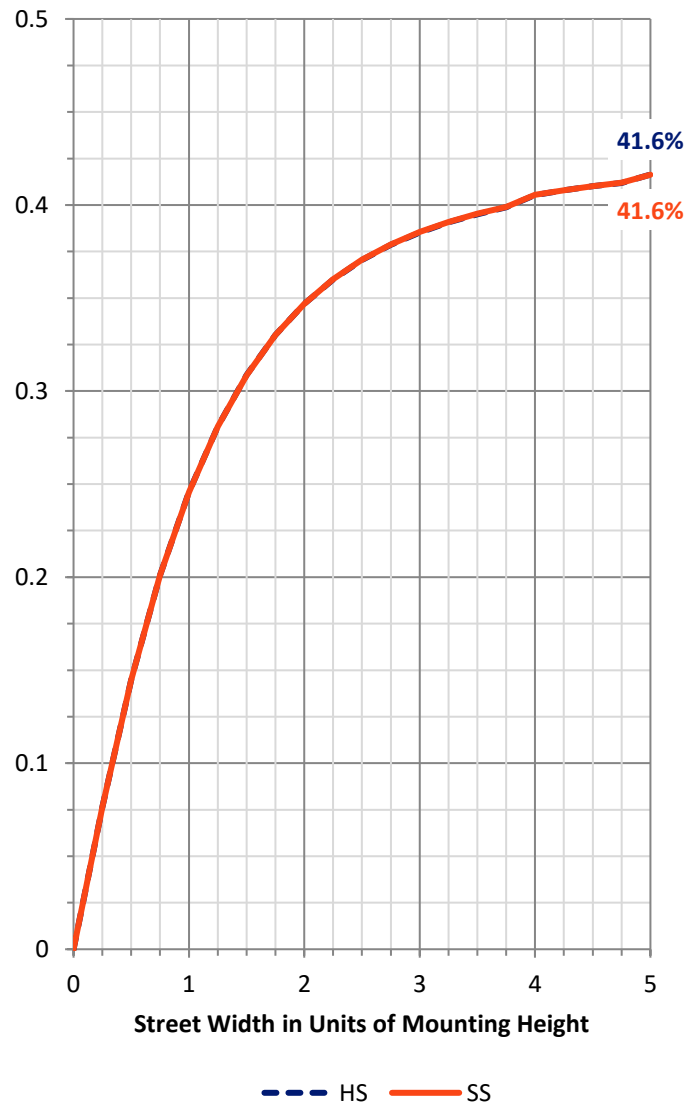
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2326.5	412.0	2738.4
	% Fixture	42.5	7.5	50.0
Street Side	Lumens	2326.5	412.0	2738.4
	% Fixture	42.5	7.5	50.0
Total	Lumens	4652.9	824.0	5476.9
	% Fixture	85.0	15.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.9	1.6
10°-20°	254.0	4.6
20°-30°	408.7	7.5
30°-40°	541.4	9.9
40°-50°	683.7	12.5
50°-60°	819.3	15.0
60°-70°	895.8	16.4
70°-80°	717.1	13.1
80°-90°	247.0	4.5
90°-100°	38.3	0.7
100°-110°	59.4	1.1
110°-120°	119.3	2.2
120°-130°	148.7	2.7
130°-140°	153.2	2.8
140°-150°	136.0	2.5
150°-160°	103.7	1.9
160°-170°	51.8	0.9
170°-180°	13.6	0.2
0°-90°	4652.9	85.0
0°-180°	5476.9	100.0

Coefficient of Utilization



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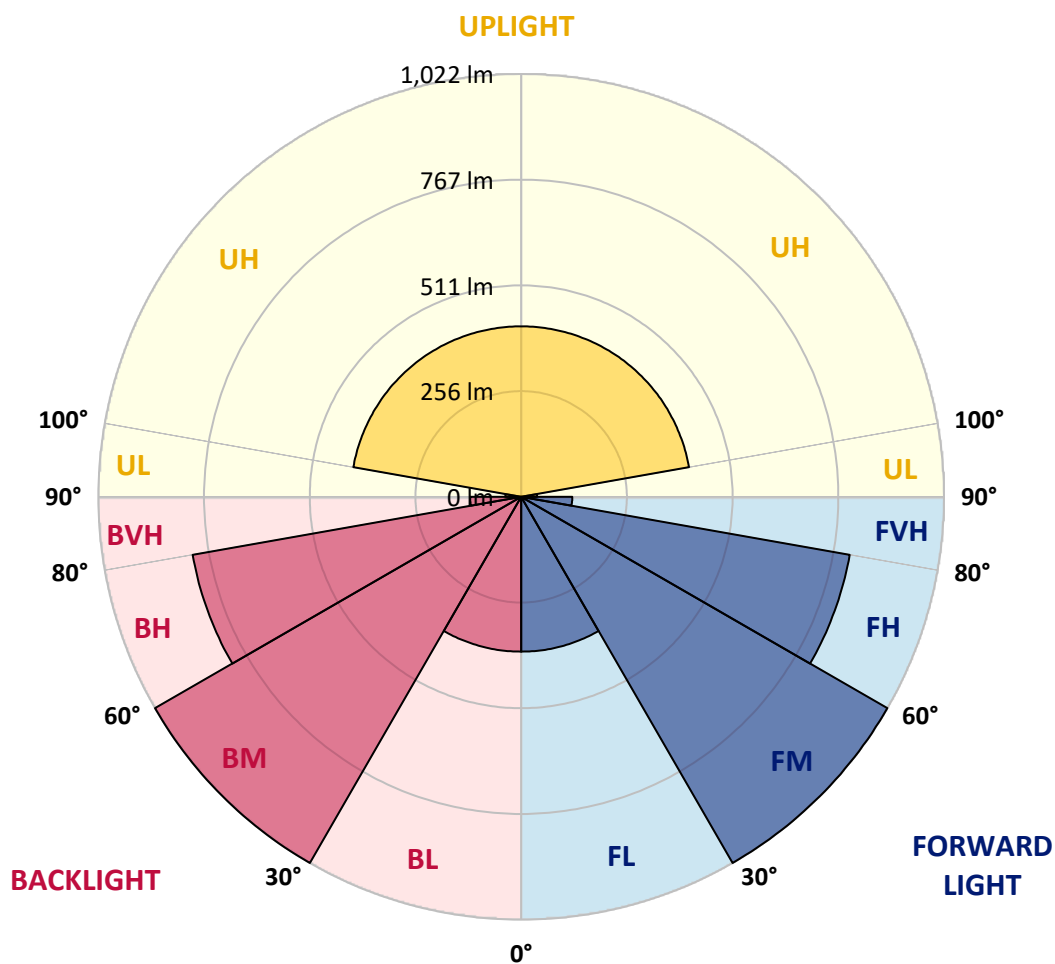
CATALOG NUMBER: TT-C3-LED-E1-MQ-CG-MS/DIM-8030-UPL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	374.3	6.8			
FM	(30°-60°)	1022.2	18.7			
FH	(60°-80°)	806.4	14.7			G1/1800
FVH	(80°-90°)	123.5	2.3			G2/225
BL	(0°-30°)	374.3	6.8	B1/500		
BM	(30°-60°)	1022.2	18.7	B2/2500		
BH	(60°-80°)	806.4	14.7	B2/1000		G1/1800
BVH	(80°-90°)	123.5	2.3			G2/225
UL	(90°-100°)	38.3	0.7		U2/50	
UH	(100°-180°)	412.0	7.5		U3/500	

BUG Rating: B2-U4-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6
2.5°	901.5	900.6	901.5	901.5	901.5	901.5	901.5	901.5	901.5	901.5	901.5
5°	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6
7.5°	899.7	899.7	899.7	899.7	899.7	899.7	899.7	899.7	900.6	899.7	900.6
10°	898.0	898.0	898.0	898.0	898.9	898.9	898.9	898.9	898.9	898.9	898.9
12.5°	896.3	896.3	896.3	896.3	897.1	897.1	897.1	897.1	898.0	898.0	897.1
15°	894.5	893.7	893.7	894.5	894.5	895.4	895.4	895.4	896.3	895.4	895.4
17.5°	892.8	891.9	892.8	893.7	893.7	894.5	895.4	895.4	896.3	896.3	896.3
20°	895.4	894.5	895.4	896.3	897.1	898.9	899.7	900.6	901.5	902.4	902.4
22.5°	890.2	889.3	890.2	890.2	891.1	891.9	893.7	894.5	895.4	895.4	895.4
25°	882.4	882.4	883.3	883.3	884.1	885.0	885.9	886.7	886.7	887.6	886.7
27.5°	873.8	873.8	874.7	874.7	876.4	876.4	877.3	878.2	879.0	879.0	879.0
30°	863.4	863.4	864.3	865.1	866.9	867.7	868.6	869.5	870.3	870.3	870.3
32.5°	853.9	853.0	853.9	855.6	858.2	859.9	861.7	862.5	862.5	862.5	863.4
35°	846.0	846.9	848.6	850.4	853.9	855.6	857.3	859.9	860.8	860.8	860.8
37.5°	847.8	848.6	851.3	854.7	859.1	864.3	867.7	871.2	873.8	872.9	872.1
40°	859.1	860.8	865.1	870.3	877.3	884.1	889.3	893.7	896.3	897.1	896.3
42.5°	860.8	862.5	866.0	873.8	881.6	889.3	896.3	900.6	904.1	905.0	904.1
45°	859.9	859.9	865.1	873.8	881.6	889.3	898.0	904.1	907.6	907.6	907.6
47.5°	853.9	856.5	859.9	868.6	879.0	886.7	895.4	901.5	905.8	908.4	905.8
50°	853.9	853.9	859.9	866.0	875.5	889.3	901.5	907.6	911.9	911.0	911.9
52.5°	852.1	857.3	860.8	869.5	886.7	900.6	910.2	918.8	924.9	925.8	924.0
55°	867.7	868.6	876.4	892.8	909.3	924.9	942.2	955.2	965.6	971.7	963.0
57.5°	879.9	875.5	891.1	905.0	924.0	947.4	973.4	983.7	991.5	989.8	992.4
60°	863.4	869.5	880.8	895.4	925.8	949.1	963.0	974.3	983.7	986.3	982.9
61°	855.6	866.0	871.2	891.1	923.2	940.4	955.2	970.8	988.1	994.1	986.3
62.5°	842.6	859.1	857.3	889.3	909.3	929.3	956.9	975.1	987.2	988.9	987.2
65°	843.4	840.8	860.8	884.1	904.1	939.6	963.0	974.3	981.1	984.6	982.9
67.5°	815.8	807.1	831.4	847.8	881.6	909.3	931.8	948.2	958.7	962.1	957.8
70°	751.7	757.7	775.1	800.2	827.9	861.7	882.4	904.1	912.8	913.6	913.6
72.5°	690.2	693.6	711.0	734.4	766.4	795.8	816.6	834.0	841.7	842.6	844.3
75°	608.8	612.2	632.2	653.8	685.9	711.0	725.7	746.4	757.7	767.3	759.5
77.5°	514.4	520.4	536.1	559.4	588.9	602.7	628.7	652.9	660.7	663.3	660.7
80°	407.8	415.6	429.5	460.7	473.7	496.3	521.3	531.7	538.7	540.4	541.3
82.5°	293.6	299.7	314.3	336.0	350.8	368.9	386.2	399.3	407.0	405.3	404.5
85°	173.2	174.9	190.5	205.3	216.5	227.7	241.6	251.2	252.9	256.4	255.5
87.5°	52.0	52.8	59.8	67.6	72.7	77.9	86.6	97.9	100.5	93.5	94.4
90°	36.0	36.0	36.0	36.0	35.0	34.0	31.0	29.0	27.0	26.0	26.0
92.5°	40.0	39.0	39.0	38.0	36.0	34.0	32.0	29.0	27.0	27.0	27.0
95°	44.0	43.0	42.0	41.0	38.0	36.0	34.0	32.0	31.0	30.0	30.0
97.5°	42.0	42.0	41.0	40.0	38.0	37.0	36.0	35.0	34.0	33.0	32.0
100°	45.0	45.0	45.0	44.0	42.0	40.0	39.0	38.0	36.0	36.0	35.0
102.5°	51.0	51.0	50.0	49.0	47.0	46.0	45.0	44.0	42.0	42.0	42.0
105°	60.0	60.0	59.0	57.0	55.0	54.0	53.0	53.0	51.0	52.0	52.0
107.5°	72.0	72.0	72.0	70.0	68.0	67.0	66.0	66.0	66.0	68.0	68.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
110°	86.0	86.0	87.0	89.0	86.0	85.0	85.0	86.0	86.0	87.0	86.0
112.5°	101.0	102.0	104.0	108.0	106.0	107.0	107.0	110.0	108.0	107.0	103.0
115°	121.0	122.0	123.0	128.0	126.0	128.0	127.0	129.0	126.0	124.0	120.0
117.5°	140.0	141.0	141.0	144.0	141.0	141.0	140.0	141.0	138.0	136.0	135.0
120°	152.0	153.0	154.0	155.0	151.0	149.0	147.0	149.0	147.0	147.0	148.0
122.5°	161.0	162.0	163.0	164.0	159.0	154.0	153.0	155.0	156.0	158.0	158.0
125°	169.0	169.0	170.0	172.0	168.0	163.0	160.0	165.0	166.0	168.0	167.0
127.5°	177.0	177.0	179.0	181.0	177.0	171.0	170.0	176.0	177.0	178.0	175.0
130°	187.0	188.0	190.0	191.0	185.0	179.0	179.0	186.0	187.0	186.0	183.0
132.5°	198.0	199.0	200.0	201.0	193.0	186.0	187.0	193.0	195.0	195.0	191.0
135°	210.0	210.0	211.0	209.0	199.0	192.0	193.0	199.0	202.0	201.0	197.0
137.5°	221.0	219.0	217.0	213.0	203.0	197.0	198.0	205.0	207.0	208.0	203.0
140°	229.0	226.0	222.0	216.0	205.0	200.0	201.0	207.0	210.0	213.0	212.0
142.5°	235.0	231.0	225.0	218.0	206.0	201.0	202.0	208.0	212.0	218.0	218.0
145°	235.0	230.0	225.0	218.0	207.0	202.0	204.0	211.0	215.0	223.0	225.0
147.5°	230.0	227.0	223.0	219.0	210.0	207.0	209.0	216.0	220.0	229.0	233.0
150°	224.0	221.0	219.0	220.0	215.0	214.0	216.0	222.0	227.0	235.0	239.0
152.5°	216.0	214.0	216.0	221.0	220.0	220.0	224.0	230.0	234.0	241.0	241.0
155°	208.0	207.0	211.0	219.0	222.0	224.0	229.0	237.0	239.0	243.0	239.0
157.5°	203.0	203.0	207.0	216.0	220.0	224.0	229.0	234.0	232.0	235.0	230.0
160°	199.0	198.0	203.0	210.0	212.0	213.0	216.0	219.0	216.0	219.0	216.0
162.5°	185.0	184.0	188.0	193.0	194.0	193.0	196.0	198.0	195.0	198.0	196.0
165°	169.0	167.0	169.0	173.0	173.0	173.0	175.0	176.0	174.0	177.0	175.0
167.5°	154.0	152.0	153.0	156.0	156.0	155.0	157.0	159.0	157.0	159.0	158.0
170°	142.0	141.0	142.0	145.0	144.0	144.0	146.0	147.0	146.0	147.0	147.0
172.5°	137.0	135.0	136.0	139.0	139.0	138.0	140.0	141.0	140.0	141.0	140.0
175°	136.0	134.0	135.0	137.0	137.0	137.0	138.0	139.0	138.0	139.0	138.0
177.5°	137.0	136.0	136.0	139.0	138.0	138.0	139.0	140.0	139.0	139.0	138.0
180°	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6
2.5°	901.5	901.5	901.5	901.5	901.5	901.5	900.6	901.5
5°	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6
7.5°	900.6	899.7	899.7	899.7	899.7	899.7	899.7	899.7
10°	898.9	898.9	898.9	898.9	898.0	898.0	898.0	898.0
12.5°	897.1	897.1	897.1	897.1	896.3	896.3	896.3	896.3
15°	895.4	895.4	895.4	895.4	894.5	894.5	894.5	894.5
17.5°	896.3	895.4	894.5	894.5	893.7	892.8	892.8	892.8
20°	901.5	900.6	898.9	897.1	896.3	895.4	895.4	895.4
22.5°	894.5	893.7	891.9	891.1	891.1	890.2	889.3	889.3
25°	886.7	885.0	885.0	884.1	884.1	882.4	882.4	881.6
27.5°	878.2	877.3	876.4	875.5	875.5	874.7	873.8	872.9
30°	870.3	868.6	866.9	866.0	865.1	864.3	864.3	864.3
32.5°	862.5	860.8	859.9	857.3	855.6	854.7	853.9	853.9
35°	859.9	857.3	855.6	853.0	850.4	848.6	847.8	846.0
37.5°	870.3	866.9	864.3	859.9	853.9	851.3	848.6	847.8
40°	892.8	889.3	884.1	877.3	870.3	865.1	860.8	859.1
42.5°	900.6	896.3	889.3	882.4	873.8	866.0	862.5	860.8
45°	903.2	898.9	889.3	880.8	872.9	866.0	860.8	859.1
47.5°	900.6	894.5	885.9	879.0	867.7	859.1	855.6	853.0
50°	906.7	901.5	890.2	874.7	865.1	859.9	853.9	853.0
52.5°	918.8	909.3	898.9	887.6	869.5	859.1	855.6	851.3
55°	955.2	942.2	924.0	905.8	894.5	878.2	867.7	867.7
57.5°	982.9	972.5	949.1	924.9	904.1	891.9	876.4	877.3
60°	975.1	961.3	950.0	925.8	896.3	879.9	873.8	862.5
61°	974.3	955.2	939.6	920.6	895.4	869.5	867.7	853.0
62.5°	976.0	958.7	929.3	909.3	890.2	856.5	855.6	841.7
65°	974.3	957.8	943.0	905.8	879.9	866.0	836.5	847.8
67.5°	947.4	932.6	905.8	885.0	845.2	827.9	811.4	811.4
70°	905.0	883.3	857.3	831.4	804.5	775.1	760.3	751.7
72.5°	834.0	815.8	794.9	767.3	734.4	707.5	693.6	687.6
75°	744.7	724.9	706.6	685.9	651.2	628.7	614.0	609.6
77.5°	651.2	633.9	601.8	582.0	558.5	532.6	519.6	514.4
80°	531.7	522.2	499.7	467.6	456.3	424.3	415.6	407.8
82.5°	399.3	388.8	368.0	345.6	331.7	313.4	297.9	296.2
85°	251.2	244.2	231.2	214.7	197.5	187.0	173.2	176.6
87.5°	93.5	89.2	81.4	71.1	63.2	56.3	49.4	52.0
90°	28.0	30.0	32.0	33.0	34.0	34.0	34.0	34.0
92.5°	28.0	30.0	32.0	33.0	35.0	36.0	36.0	36.0
95°	30.0	32.0	34.0	35.0	37.0	38.0	39.0	38.0
97.5°	33.0	34.0	34.0	35.0	36.0	36.0	36.0	36.0
100°	36.0	37.0	38.0	38.0	38.0	38.0	37.0	37.0
102.5°	43.0	44.0	44.0	42.0	42.0	41.0	41.0	41.0
105°	54.0	54.0	53.0	51.0	49.0	48.0	48.0	49.0
107.5°	68.0	68.0	66.0	63.0	60.0	59.0	59.0	60.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
110°	84.0	83.0	84.0	81.0	78.0	76.0	74.0	75.0
112.5°	102.0	102.0	105.0	103.0	100.0	98.0	95.0	94.0
115°	121.0	123.0	125.0	124.0	123.0	121.0	116.0	113.0
117.5°	138.0	140.0	141.0	139.0	139.0	139.0	133.0	129.0
120°	150.0	151.0	153.0	148.0	148.0	148.0	145.0	142.0
122.5°	159.0	160.0	162.0	156.0	155.0	156.0	153.0	150.0
125°	167.0	167.0	168.0	164.0	163.0	164.0	160.0	158.0
127.5°	176.0	175.0	175.0	173.0	173.0	173.0	166.0	163.0
130°	183.0	182.0	183.0	181.0	184.0	181.0	171.0	169.0
132.5°	190.0	189.0	192.0	189.0	192.0	190.0	179.0	176.0
135°	196.0	197.0	201.0	199.0	199.0	195.0	185.0	184.0
137.5°	203.0	205.0	210.0	207.0	204.0	198.0	191.0	190.0
140°	212.0	214.0	217.0	214.0	209.0	202.0	195.0	195.0
142.5°	220.0	222.0	223.0	217.0	211.0	204.0	198.0	198.0
145°	230.0	230.0	227.0	217.0	211.0	205.0	201.0	202.0
147.5°	239.0	236.0	229.0	218.0	212.0	207.0	204.0	206.0
150°	242.0	240.0	232.0	220.0	214.0	211.0	210.0	211.0
152.5°	242.0	241.0	235.0	223.0	219.0	217.0	215.0	216.0
155°	238.0	237.0	234.0	227.0	224.0	223.0	220.0	219.0
157.5°	228.0	229.0	229.0	226.0	226.0	225.0	222.0	219.0
160°	215.0	217.0	219.0	219.0	221.0	222.0	218.0	215.0
162.5°	196.0	199.0	200.0	201.0	204.0	208.0	207.0	207.0
165°	176.0	179.0	181.0	181.0	185.0	189.0	190.0	192.0
167.5°	160.0	163.0	165.0	164.0	168.0	171.0	172.0	174.0
170°	148.0	150.0	152.0	152.0	155.0	158.0	159.0	160.0
172.5°	141.0	144.0	145.0	144.0	146.0	149.0	149.0	151.0
175°	138.0	140.0	141.0	140.0	141.0	143.0	143.0	144.0
177.5°	138.0	140.0	140.0	138.0	140.0	141.0	141.0	141.0
180°	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0

(END OF REPORT)