

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: P198405

Luminaire Tested: **TT-C3-LED-E1-RW-SG-MS/DIM-8030-UPL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P198405
REPORT IS FROM IESNA LM-79-08 TEST DATA - UPLIGHT (P27139) AND DOWNLIGHT
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C3-LED-E1-RW-SG-MS/DIM-8030-UPL
Description: TOPTIER LED PARKING GARAGE LUMINAIRE WITH UPLIGHT
RECTANGULAR DISTRIBUTION WITH SOFTENING 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: 4773.1 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.12' x H: 0.1')
IES Classification: Type III - Short - Non-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



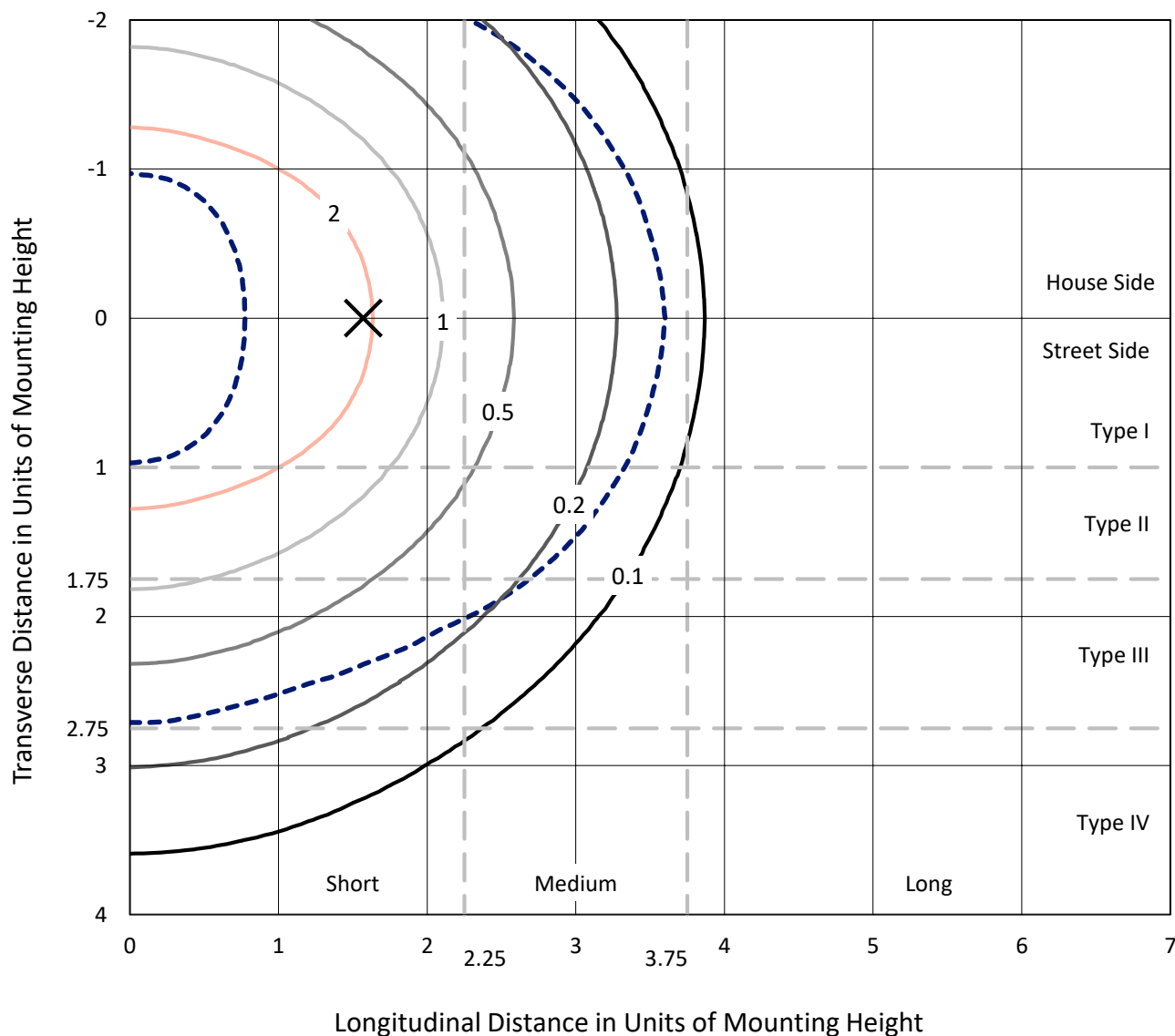
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

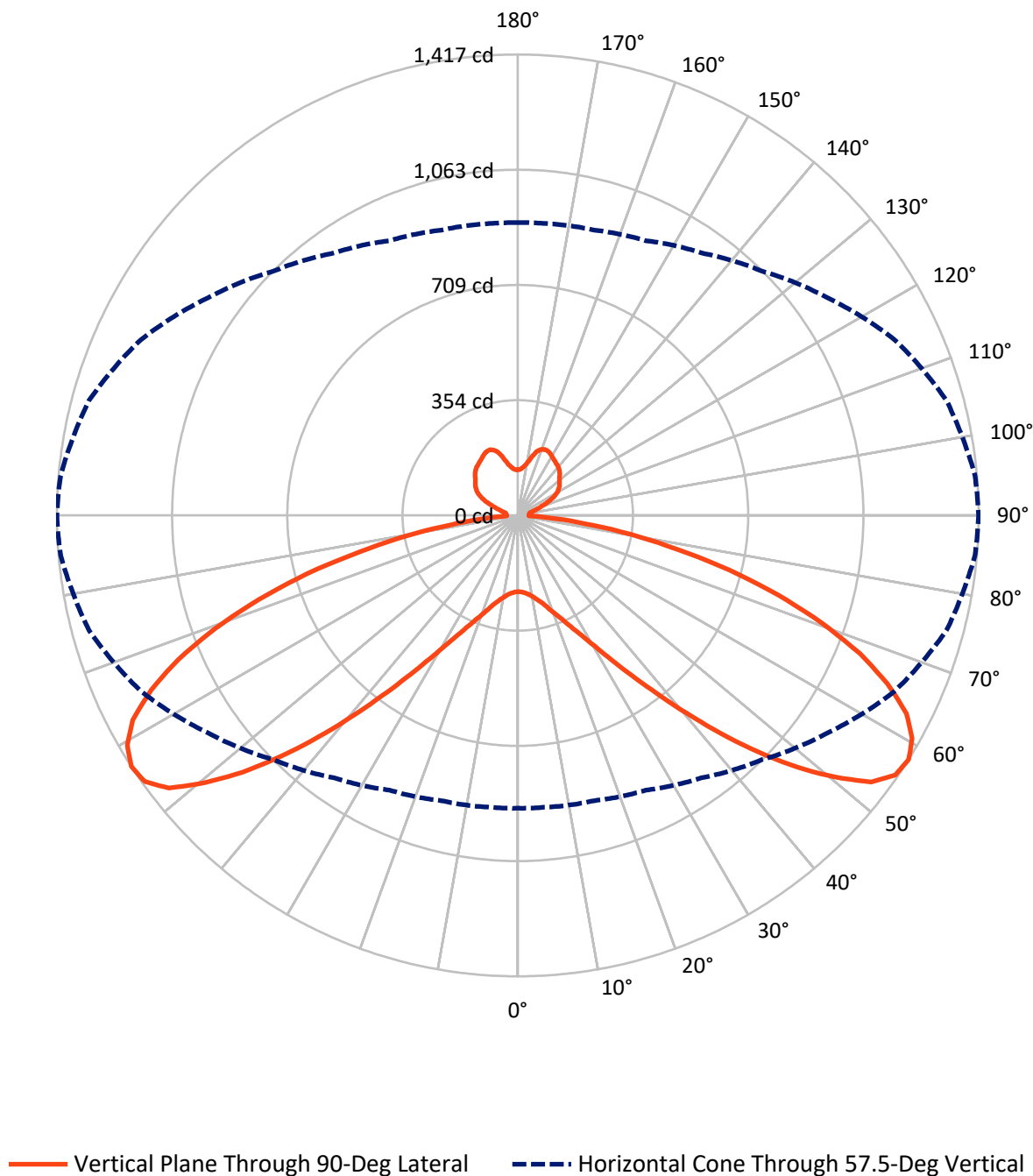


Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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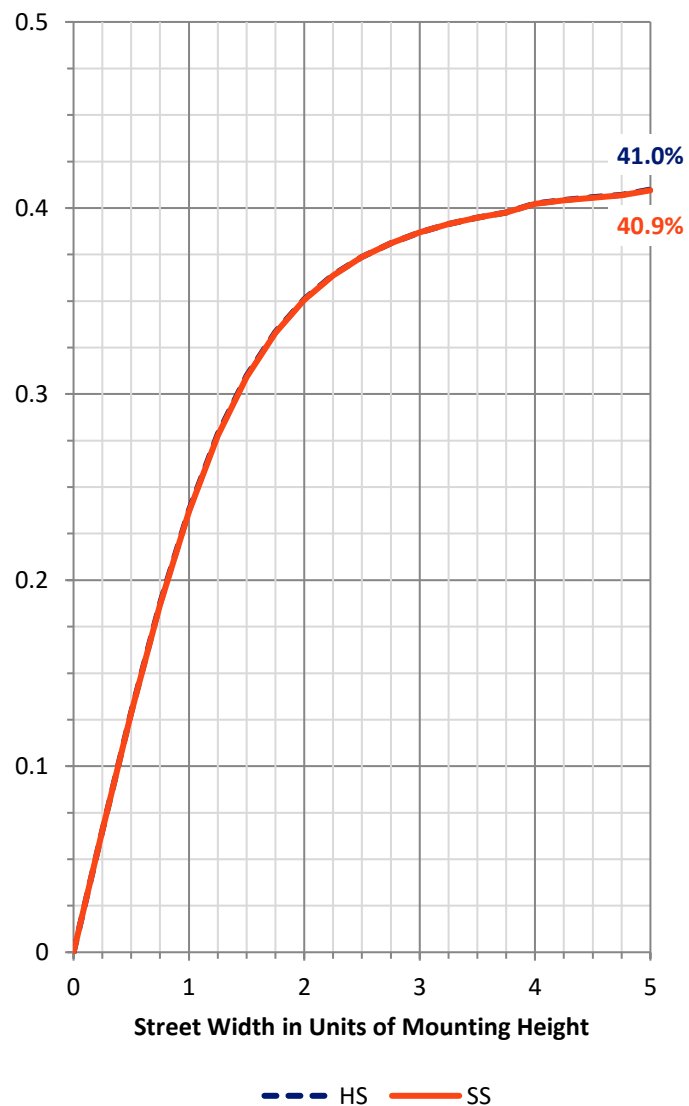
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1973.9	412.7	2386.6
	% Fixture	41.4	8.6	50.0
Street Side	Lumens	1973.9	412.7	2386.6
	% Fixture	41.4	8.6	50.0
Total	Lumens	3947.8	825.3	4773.1
	% Fixture	82.7	17.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.3	0.5
10°-20°	80.5	1.7
20°-30°	175.6	3.7
30°-40°	352.6	7.4
40°-50°	658.5	13.8
50°-60°	969.8	20.3
60°-70°	977.0	20.5
70°-80°	583.2	12.2
80°-90°	127.3	2.7
90°-100°	38.4	0.8
100°-110°	59.5	1.2
110°-120°	119.6	2.5
120°-130°	148.9	3.1
130°-140°	153.3	3.2
140°-150°	136.3	2.9
150°-160°	103.9	2.2
160°-170°	51.8	1.1
170°-180°	13.6	0.3
0°-90°	3947.8	82.7
0°-180°	4773.1	100.0

Coefficient of Utilization



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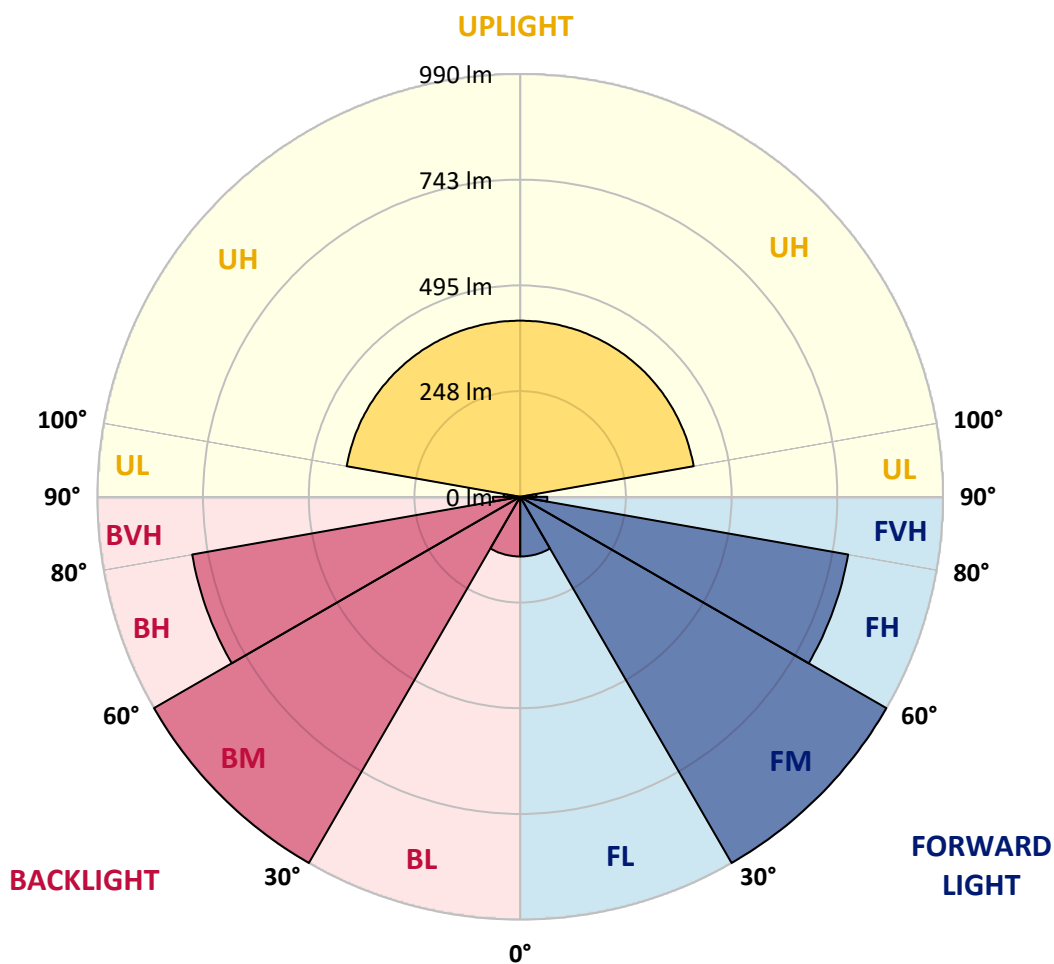
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	139.7	2.9			
FM	(30°-60°)	990.4	20.8			
FH	(60°-80°)	780.1	16.3			G1/1800
FVH	(80°-90°)	63.6	1.3			G1/100
BL	(0°-30°)	139.7	2.9	B1/500		
BM	(30°-60°)	990.4	20.8	B1/1000		
BH	(60°-80°)	780.1	16.3	B2/1000		G2/1000
BVH	(80°-90°)	63.6	1.3			G1/100
UL	(90°-100°)	38.4	0.8		U2/50	
UH	(100°-180°)	412.7	8.6		U3/500	

BUG Rating: B2-U4-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	234.5	234.5	234.5	234.5	234.5	234.5	234.5	234.5	234.5	234.5	234.5
2.5°	236.2	236.2	236.2	236.2	236.2	235.4	236.2	235.4	235.4	235.4	235.4
5°	238.8	238.8	238.8	239.6	239.6	239.6	239.6	238.8	239.6	238.8	239.6
7.5°	244.8	244.8	244.8	244.8	244.8	244.8	245.6	244.8	245.6	244.8	244.8
10°	252.5	252.5	252.5	252.5	253.3	253.3	253.3	254.2	254.2	254.2	254.2
12.5°	263.6	263.6	263.6	263.6	263.6	263.6	264.5	264.5	265.3	265.3	265.3
15°	278.2	278.2	277.3	277.3	277.3	278.2	278.2	279.9	279.0	279.0	279.0
17.5°	296.1	295.3	295.3	295.3	295.3	295.3	295.3	297.0	297.0	297.0	297.8
20°	315.8	317.5	316.7	315.0	315.0	315.0	315.8	317.5	317.5	320.1	321.0
22.5°	343.2	344.1	342.4	341.5	338.9	338.9	341.5	342.4	345.8	344.9	345.8
25°	372.3	371.5	370.6	368.9	368.9	368.9	370.6	373.2	375.7	378.3	378.3
27.5°	404.8	404.0	403.1	402.3	400.6	403.1	404.8	410.8	412.5	418.5	416.8
30°	440.8	441.6	439.9	439.1	438.2	439.1	445.9	454.5	461.3	465.6	466.5
32.5°	481.0	481.9	481.0	479.3	481.0	485.3	493.8	505.0	518.7	526.4	528.9
35°	525.5	527.2	525.5	527.2	528.9	536.6	552.0	569.2	593.1	600.0	604.3
37.5°	573.4	571.7	570.9	573.4	581.1	597.4	618.8	648.8	673.6	694.1	694.1
40°	621.4	622.2	623.1	623.1	637.6	659.9	695.0	735.2	772.0	798.5	799.4
42.5°	672.7	672.7	672.7	680.4	698.4	733.5	778.9	837.9	888.4	913.2	916.7
45°	724.9	728.4	730.1	740.3	766.9	811.4	871.3	942.3	1006.5	1039.9	1038.2
47.5°	776.3	780.6	784.0	799.4	835.3	883.3	957.7	1043.3	1116.1	1153.7	1157.2
50°	829.4	826.8	833.6	852.5	892.7	954.3	1033.9	1132.3	1215.4	1261.6	1265.0
52.5°	864.4	863.6	870.4	890.1	937.2	1006.5	1098.1	1210.2	1300.1	1348.0	1361.7
55°	889.3	888.4	896.1	919.2	970.6	1044.2	1143.5	1261.6	1352.3	1401.9	1408.8
57.5°	900.4	901.2	908.1	932.1	985.1	1062.2	1164.9	1278.7	1365.1	1411.4	1417.3
60°	898.7	899.5	905.5	928.6	980.8	1055.3	1154.6	1261.6	1343.7	1386.5	1393.4
62.5°	880.7	879.9	885.0	904.7	950.9	1020.2	1115.2	1216.2	1294.1	1333.5	1341.2
65°	843.0	842.2	842.2	859.3	898.7	957.7	1047.6	1137.5	1210.2	1247.9	1249.6
67.5°	781.4	781.4	779.7	790.0	819.1	876.4	953.5	1035.6	1094.7	1129.8	1134.9
70°	698.4	700.1	694.1	700.1	724.1	769.4	837.9	903.8	950.0	990.3	992.8
72.5°	607.7	600.8	598.3	600.0	617.9	647.0	706.1	761.7	804.5	831.9	837.1
75°	490.4	490.4	488.7	486.1	496.4	525.5	564.9	610.2	646.2	665.0	671.9
77.5°	375.7	379.2	374.0	374.0	381.7	404.0	438.2	463.0	488.7	501.5	498.1
80°	267.0	266.2	263.6	261.9	270.5	283.3	310.7	325.2	332.9	344.9	350.1
82.5°	165.2	166.9	169.5	161.8	165.2	177.2	191.7	199.4	202.8	208.0	207.1
85°	81.3	82.2	83.0	83.9	83.9	88.2	96.7	100.1	102.7	105.3	103.6
87.5°	30.0	28.2	27.4	27.4	27.4	28.2	32.5	31.7	33.4	33.4	35.1
90°	36.0	36.0	36.0	34.0	29.0	26.0	28.0	32.0	34.0	34.0	34.0
92.5°	40.0	39.0	38.0	34.0	29.0	27.0	28.0	32.0	35.0	36.0	36.0
95°	44.0	43.0	41.0	36.0	32.0	30.0	30.0	34.0	37.0	39.0	38.0
97.5°	42.0	42.0	40.0	37.0	35.0	33.0	33.0	34.0	36.0	36.0	36.0
100°	45.0	45.0	44.0	40.0	38.0	36.0	36.0	38.0	38.0	37.0	37.0
102.5°	51.0	51.0	49.0	46.0	44.0	42.0	43.0	44.0	42.0	41.0	41.0
105°	60.0	60.0	57.0	54.0	53.0	52.0	54.0	53.0	49.0	48.0	49.0
107.5°	72.0	72.0	70.0	67.0	66.0	68.0	68.0	66.0	60.0	59.0	60.0
110°	86.0	86.0	89.0	85.0	86.0	87.0	84.0	84.0	78.0	74.0	75.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	101.0	102.0	108.0	107.0	110.0	107.0	102.0	105.0	100.0	95.0	94.0
115°	121.0	122.0	128.0	128.0	129.0	124.0	121.0	125.0	123.0	116.0	113.0
117.5°	140.0	141.0	144.0	141.0	141.0	136.0	138.0	141.0	139.0	133.0	129.0
120°	152.0	153.0	155.0	149.0	149.0	147.0	150.0	153.0	148.0	145.0	142.0
122.5°	161.0	162.0	164.0	154.0	155.0	158.0	159.0	162.0	155.0	153.0	150.0
125°	169.0	169.0	172.0	163.0	165.0	168.0	167.0	168.0	163.0	160.0	158.0
127.5°	177.0	177.0	181.0	171.0	176.0	178.0	176.0	175.0	173.0	166.0	163.0
130°	187.0	188.0	191.0	179.0	186.0	186.0	183.0	183.0	184.0	171.0	169.0
132.5°	198.0	199.0	201.0	186.0	193.0	195.0	190.0	192.0	192.0	179.0	176.0
135°	210.0	210.0	209.0	192.0	199.0	201.0	196.0	201.0	199.0	185.0	184.0
137.5°	221.0	219.0	213.0	197.0	205.0	208.0	203.0	210.0	204.0	191.0	190.0
140°	229.0	226.0	216.0	200.0	207.0	213.0	212.0	217.0	209.0	195.0	195.0
142.5°	235.0	231.0	218.0	201.0	208.0	218.0	220.0	223.0	211.0	198.0	198.0
145°	235.0	230.0	218.0	202.0	211.0	223.0	230.0	227.0	211.0	201.0	202.0
147.5°	230.0	227.0	219.0	207.0	216.0	229.0	239.0	229.0	212.0	204.0	206.0
150°	224.0	221.0	220.0	214.0	222.0	235.0	242.0	232.0	214.0	210.0	211.0
152.5°	216.0	214.0	221.0	220.0	230.0	241.0	242.0	235.0	219.0	215.0	216.0
155°	208.0	207.0	219.0	224.0	237.0	243.0	238.0	234.0	224.0	220.0	219.0
157.5°	203.0	203.0	216.0	224.0	234.0	235.0	228.0	229.0	226.0	222.0	219.0
160°	199.0	198.0	210.0	213.0	219.0	219.0	215.0	219.0	221.0	218.0	215.0
162.5°	185.0	184.0	193.0	193.0	198.0	198.0	196.0	200.0	204.0	207.0	207.0
165°	169.0	167.0	173.0	173.0	176.0	177.0	176.0	181.0	185.0	190.0	192.0
167.5°	154.0	152.0	156.0	155.0	159.0	159.0	160.0	165.0	168.0	172.0	174.0
170°	142.0	141.0	145.0	144.0	147.0	147.0	148.0	152.0	155.0	159.0	160.0
172.5°	137.0	135.0	139.0	138.0	141.0	141.0	141.0	145.0	146.0	149.0	151.0
175°	136.0	134.0	137.0	137.0	139.0	139.0	138.0	141.0	141.0	143.0	144.0
177.5°	137.0	136.0	139.0	138.0	140.0	139.0	138.0	140.0	140.0	141.0	141.0
180°	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0

(END OF REPORT)