

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: LUMARK

Report Number: P511314

Luminaire Tested: **PRV-P-PA1D-8540-U-T2U**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511314
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-3)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-PA1D-8540-U-T2U
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 85 CRI, 4000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8829.9 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 93.4
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: 28.75 FT



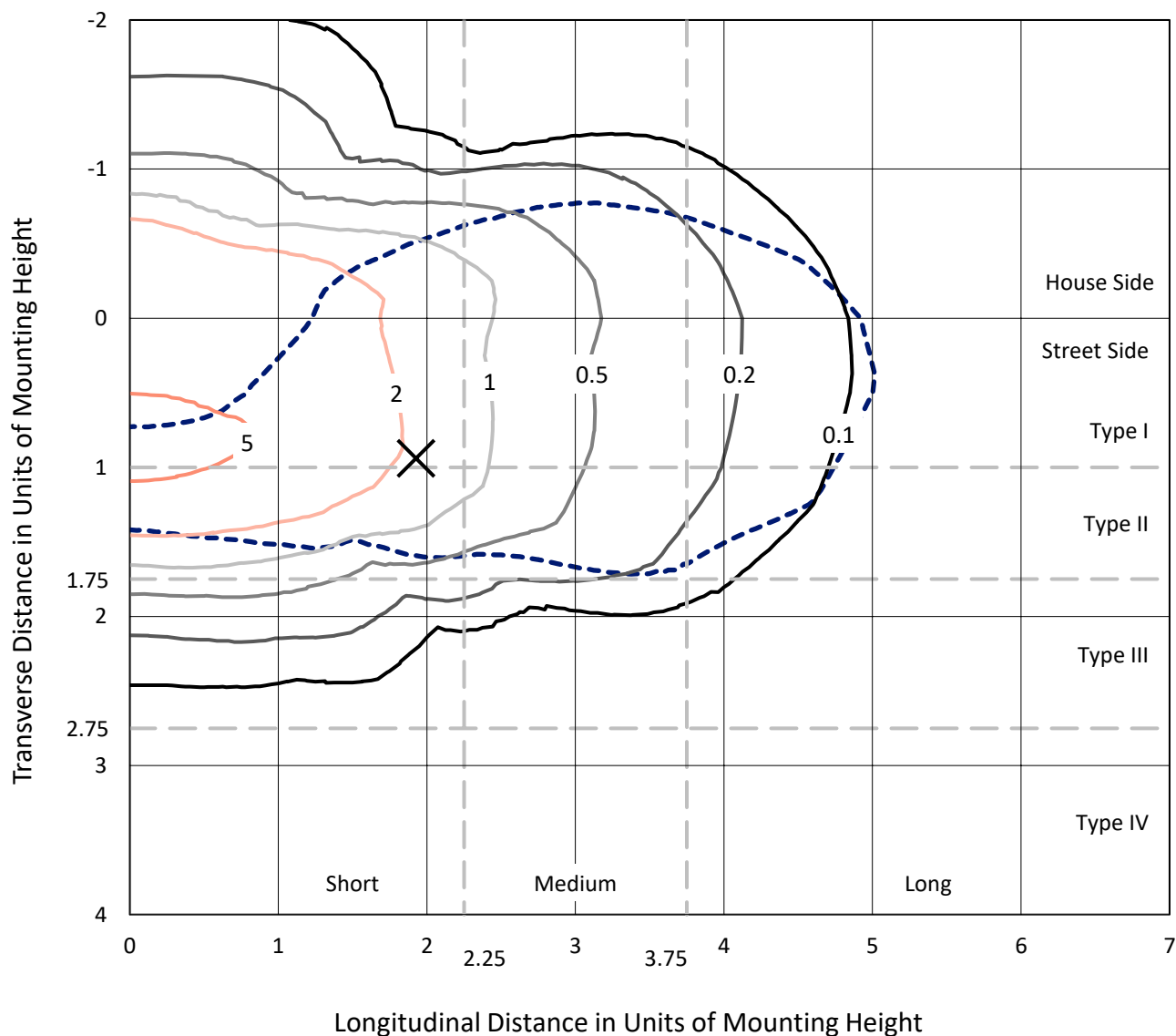
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

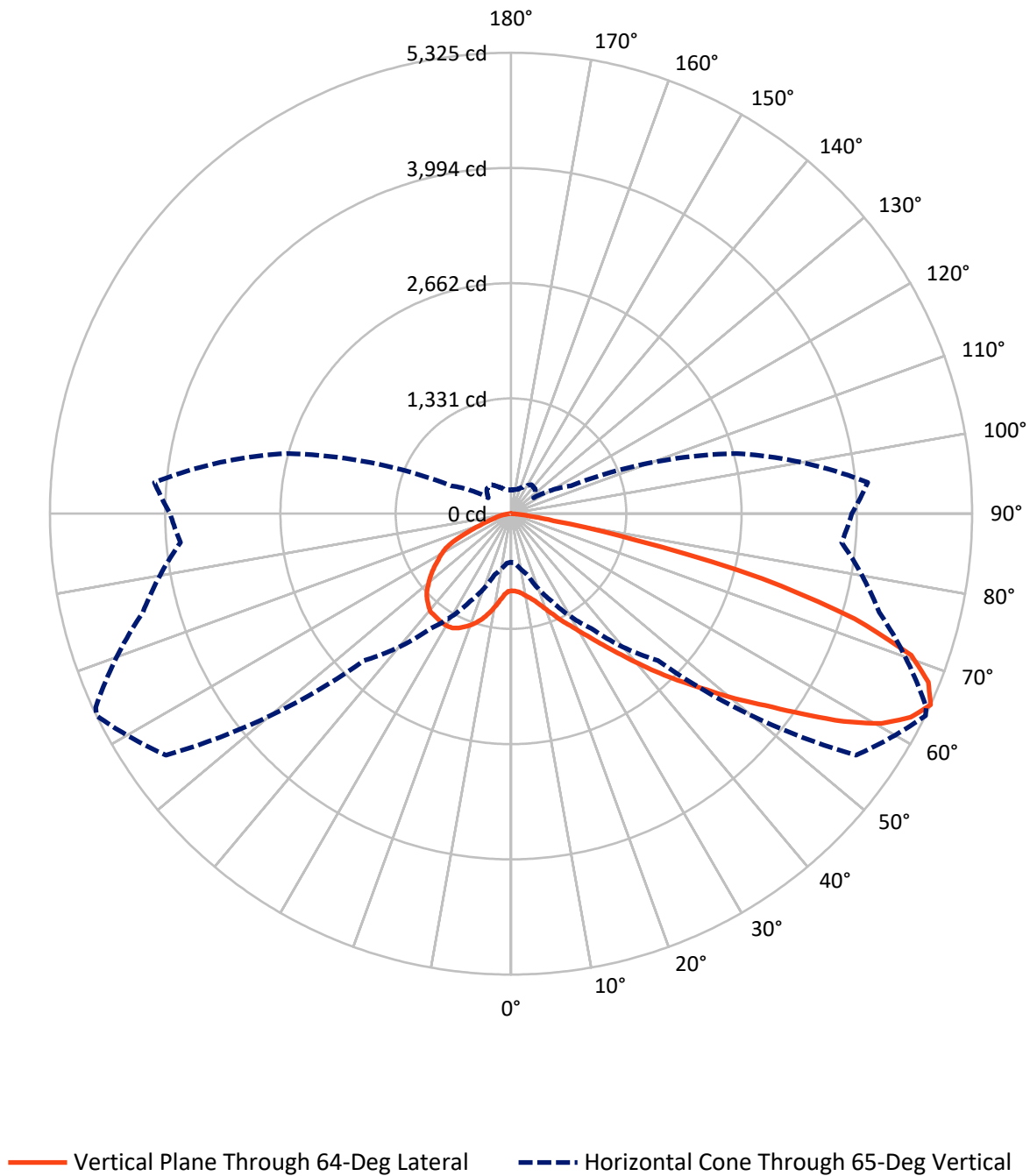


Based on 15 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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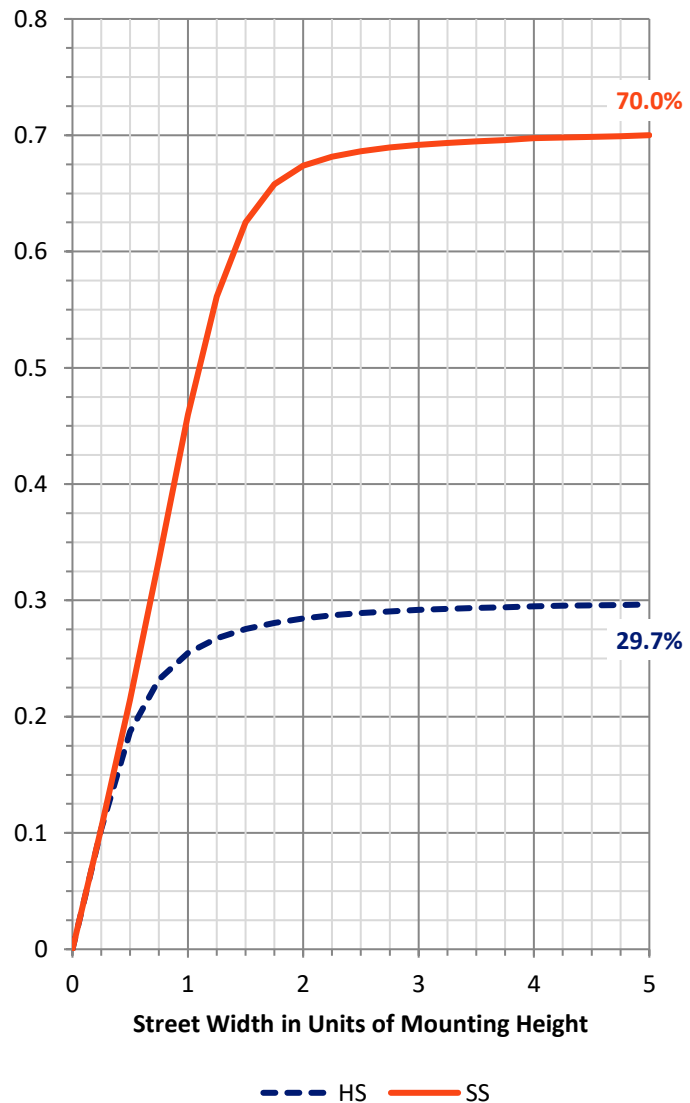
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2638.5	0.0	2638.5
	% Fixture	29.9	0.0	29.9
Street Side	Lumens	6191.4	0.0	6191.4
	% Fixture	70.1	0.0	70.1
Total	Lumens	8829.9	0.0	8829.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.9	1.0
10°-20°	319.6	3.6
20°-30°	618.6	7.0
30°-40°	989.1	11.2
40°-50°	1585.5	18.0
50°-60°	2077.2	23.5
60°-70°	1887.2	21.4
70°-80°	1127.1	12.8
80°-90°	133.7	1.5
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°	8829.9	100.0
0°-180°	8829.9	100.0

Coefficient of Utilization



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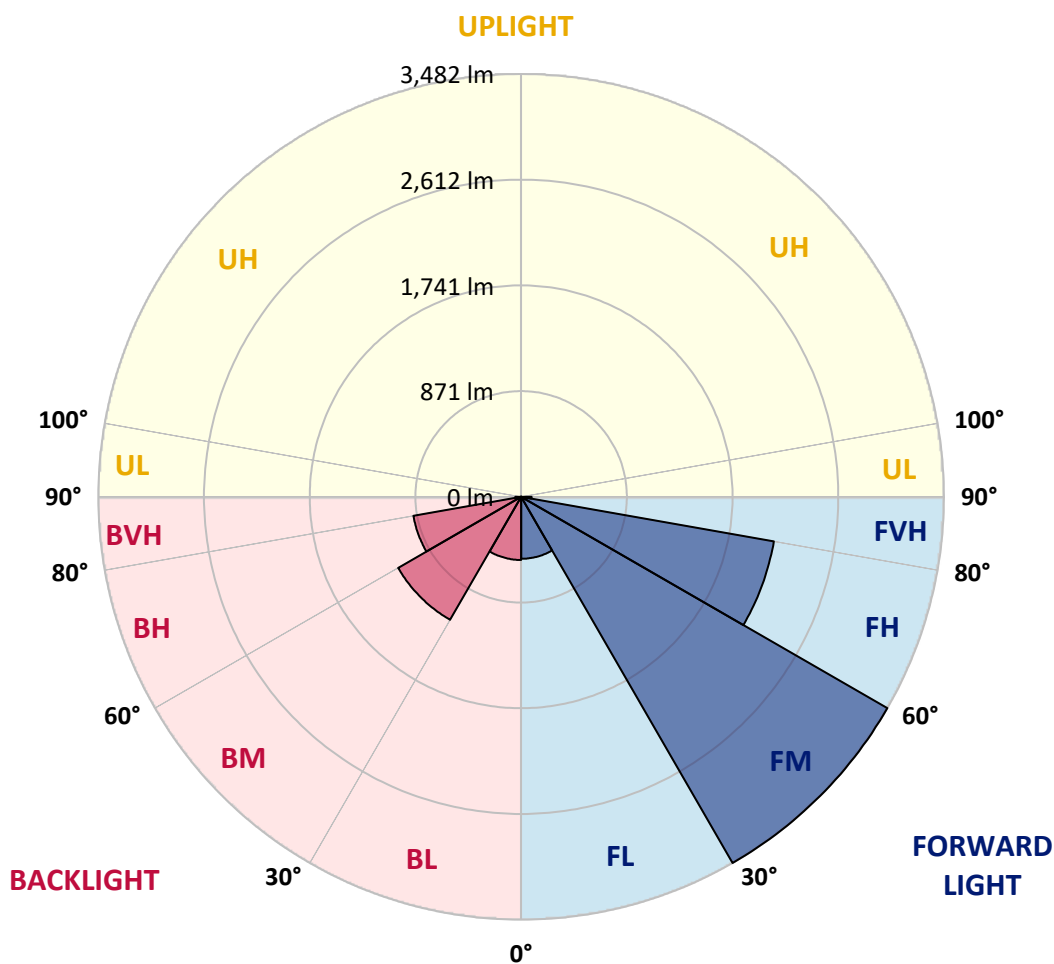
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	510.1	5.8			
FM	(30°-60°)	3482.2	39.4			
FH	(60°-80°)	2113.4	23.9			G2/5000
FVH	(80°-90°)	85.7	1.0			G1/100
BL	(0°-30°)	520.0	5.9	B2/1000		
BM	(30°-60°)	1169.6	13.2	B2/2500		
BH	(60°-80°)	900.9	10.2	B2/1000		G2/1000
BVH	(80°-90°)	48.0	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	891.7	891.7	891.7	891.7	891.7	891.7	891.7	891.7	891.7	891.7	891.7
2.5°	893.7	891.7	897.6	897.6	897.6	895.7	893.7	895.7	895.7	893.7	895.7
5°	889.7	889.7	895.7	903.5	903.5	909.4	905.5	907.4	909.4	911.3	911.3
7.5°	864.2	870.1	876.0	887.8	899.6	915.2	925.1	932.9	934.9	942.8	948.7
10°	878.0	876.0	885.8	893.7	905.5	931.0	946.7	968.3	964.4	986.0	995.8
12.5°	903.5	903.5	911.3	925.1	940.9	964.4	976.2	1001.7	1003.6	1023.3	1043.0
15°	934.9	934.9	948.7	964.4	988.0	1019.4	1035.1	1046.9	1056.7	1072.4	1092.1
17.5°	991.9	999.7	1001.7	1017.4	1037.1	1076.3	1101.8	1111.7	1111.7	1125.5	1143.1
20°	1099.9	1115.6	1101.8	1099.9	1103.9	1145.1	1170.6	1188.3	1186.3	1190.2	1192.2
22.5°	1247.2	1257.0	1243.3	1227.6	1204.0	1229.5	1253.1	1272.8	1260.9	1260.9	1243.3
25°	1439.7	1428.0	1416.1	1371.0	1327.7	1317.9	1351.3	1374.9	1369.0	1339.6	1300.2
27.5°	1640.1	1624.3	1596.9	1547.8	1477.1	1439.7	1447.5	1467.2	1475.1	1425.9	1363.1
30°	1832.5	1836.4	1803.1	1734.3	1644.0	1581.1	1571.3	1585.0	1581.1	1516.3	1425.9
32.5°	2105.6	2080.0	2052.5	1958.2	1824.7	1750.0	1718.6	1720.6	1720.6	1624.3	1498.7
35°	2412.0	2415.9	2335.4	2203.8	2040.7	1936.6	1887.5	1883.6	1873.8	1765.7	1602.7
37.5°	2850.0	2822.5	2724.2	2543.6	2311.8	2164.4	2080.0	2068.2	2058.4	1926.8	1734.3
40°	3231.0	3234.9	3132.8	2948.2	2651.6	2408.0	2305.9	2284.2	2280.3	2103.6	1885.5
42.5°	3486.3	3472.6	3468.7	3360.6	3069.9	2806.7	2582.8	2520.0	2490.5	2315.7	2066.3
45°	3606.1	3612.1	3629.7	3649.3	3513.8	3262.4	2936.4	2767.4	2741.9	2531.8	2262.7
47.5°	3676.8	3690.6	3745.6	3804.5	3865.4	3775.1	3301.7	3040.5	3018.9	2757.6	2465.0
50°	3633.7	3623.8	3755.4	3920.4	4114.8	4291.6	3722.0	3358.7	3331.2	3032.6	2690.9
52.5°	3179.9	3227.1	3517.8	3887.0	4272.0	4615.7	4201.3	3678.8	3655.3	3291.9	2893.2
55°	2569.1	2604.4	2908.8	3494.2	4285.8	4821.9	4572.5	4079.5	4048.0	3551.1	3125.0
57.5°	1948.4	2040.7	2380.6	2844.1	3879.1	4857.3	4859.2	4529.3	4423.2	3808.4	3333.2
60°	1308.1	1345.4	1763.8	2211.6	3115.1	4537.2	5004.6	4920.1	4835.7	4057.9	3525.6
62.5°	885.8	893.7	1145.1	1671.5	2303.9	3781.0	5012.5	5181.3	5095.0	4260.2	3682.8
65°	559.8	575.5	728.7	1119.5	1620.4	2400.1	4865.2	5324.8	5291.4	4401.6	3832.0
67.5°	426.2	430.2	496.9	677.6	1133.3	1443.6	4207.1	5197.1	5206.9	4505.7	3902.7
70°	363.4	369.3	424.2	469.4	779.8	775.8	2696.7	4902.4	4937.8	4543.0	3942.0
72.5°	288.7	298.6	359.4	432.1	571.6	528.4	1153.0	4150.2	4256.2	4419.3	3912.6
75°	212.1	218.0	271.1	351.6	447.8	406.6	457.7	2997.2	3276.2	3877.2	3722.0
77.5°	151.3	161.1	202.3	261.2	406.6	294.6	284.8	1477.1	1775.6	2946.2	3199.6
80°	106.1	104.1	135.5	176.8	253.4	219.9	168.9	498.9	640.3	1687.2	2082.0
82.5°	53.0	55.0	78.5	110.0	143.4	174.8	94.3	198.4	229.8	693.3	777.8
85°	23.6	23.6	33.4	39.3	64.8	64.8	45.2	72.7	80.5	190.5	70.7
87.5°	0.0	2.0	2.0	3.9	3.9	5.9	7.8	9.8	11.8	11.8	9.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	891.7	891.7	891.7	891.7	891.7	891.7	891.7	891.7	891.7	891.7	891.7
2.5°	897.6	897.6	897.6	897.6	903.5	907.4	913.3	917.3	915.2	917.3	917.3
5°	915.2	917.3	925.1	934.9	948.7	960.4	980.1	984.0	993.9	989.9	999.7
7.5°	952.6	962.4	976.2	999.7	1025.3	1046.9	1064.6	1076.3	1084.2	1090.1	1084.2
10°	1007.6	1019.4	1046.9	1080.3	1111.7	1141.1	1153.0	1164.7	1162.8	1156.9	1154.9
12.5°	1056.7	1072.4	1115.6	1156.9	1198.1	1221.7	1211.8	1198.1	1186.3	1178.5	1176.5
15°	1107.8	1129.4	1176.5	1235.4	1268.9	1266.9	1239.3	1217.7	1215.8	1211.8	1207.9
17.5°	1158.8	1186.3	1247.2	1302.2	1323.8	1288.5	1260.9	1251.2	1255.1	1251.2	1249.2
20°	1206.0	1231.5	1302.2	1361.2	1351.3	1304.2	1286.5	1278.6	1268.9	1262.9	1259.0
22.5°	1251.2	1278.6	1359.2	1412.2	1378.8	1317.9	1296.3	1268.9	1259.0	1247.2	1243.3
25°	1294.4	1325.8	1406.3	1459.4	1378.8	1312.1	1266.9	1231.5	1209.9	1198.1	1198.1
27.5°	1357.2	1378.8	1453.5	1496.7	1363.1	1278.6	1198.1	1149.1	1115.6	1113.7	1113.7
30°	1404.4	1416.1	1492.7	1510.4	1327.7	1202.1	1099.9	1027.2	991.9	982.0	980.1
32.5°	1467.2	1463.3	1526.1	1514.3	1282.6	1105.8	970.3	887.8	842.6	828.9	821.0
35°	1545.8	1539.8	1594.9	1510.4	1219.8	991.9	826.9	732.7	701.2	677.6	679.6
37.5°	1673.4	1634.1	1700.9	1508.4	1135.3	842.6	675.7	618.7	577.5	553.9	555.9
40°	1807.0	1750.0	1820.7	1512.4	1037.1	695.3	573.5	532.3	493.0	457.7	461.6
42.5°	1970.0	1901.3	1948.4	1481.0	921.2	579.4	510.7	481.2	447.8	422.3	426.2
45°	2152.7	2054.5	2068.2	1449.5	789.6	516.5	491.0	469.4	440.0	406.6	408.6
47.5°	2353.0	2241.1	2158.6	1400.4	685.5	502.8	508.7	475.3	410.5	369.3	369.3
50°	2553.4	2441.4	2233.2	1323.8	618.7	536.2	506.8	426.2	375.1	349.6	345.7
52.5°	2759.6	2686.9	2276.4	1247.2	599.1	534.2	465.5	402.6	359.4	330.0	326.0
55°	2989.4	2952.1	2341.2	1162.8	542.1	514.6	445.8	385.0	337.9	314.3	308.3
57.5°	3205.4	3256.5	2402.2	1072.4	463.5	469.4	424.2	371.2	330.0	312.3	308.3
60°	3453.0	3564.9	2482.7	999.7	400.7	436.1	416.4	379.1	337.9	316.3	312.3
62.5°	3669.0	3857.5	2584.8	909.4	357.4	416.4	420.3	369.3	324.1	304.4	298.6
65°	3936.1	4134.5	2685.0	764.1	320.2	396.7	408.6	339.8	290.7	276.9	271.1
67.5°	4126.6	4305.4	2738.0	555.9	284.8	357.4	373.2	302.5	251.4	243.5	239.6
70°	4236.7	4264.1	2710.5	387.0	247.5	302.5	331.9	265.1	222.0	216.0	210.2
72.5°	4156.1	3985.2	2514.1	269.1	214.1	259.3	288.7	237.6	186.6	178.8	174.8
75°	3826.1	3454.9	2019.1	198.4	186.6	219.9	243.5	200.4	149.2	135.5	133.6
77.5°	3109.2	2635.9	1304.2	157.1	155.2	178.8	194.4	157.1	113.9	108.1	102.1
80°	1889.5	1610.6	553.9	117.8	117.8	129.7	143.4	123.7	86.4	74.6	72.7
82.5°	709.1	551.9	182.7	76.6	74.6	92.3	112.0	84.5	49.1	41.3	37.3
85°	53.0	64.8	66.8	37.3	33.4	37.3	45.2	23.6	13.8	9.8	9.8
87.5°	7.8	7.8	7.8	5.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)