

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: P639242

Luminaire Tested: **USSL-M-PA6B-730-U-T2U-HSS**

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639242
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2207-719-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-M-PA6B-730-U-T2U-HSS
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K LIGHT ENGINES AND TYPE II U OPTICS WITH HOUSE SIDE
SHIELD, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33327 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 365.8
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: 24 FT

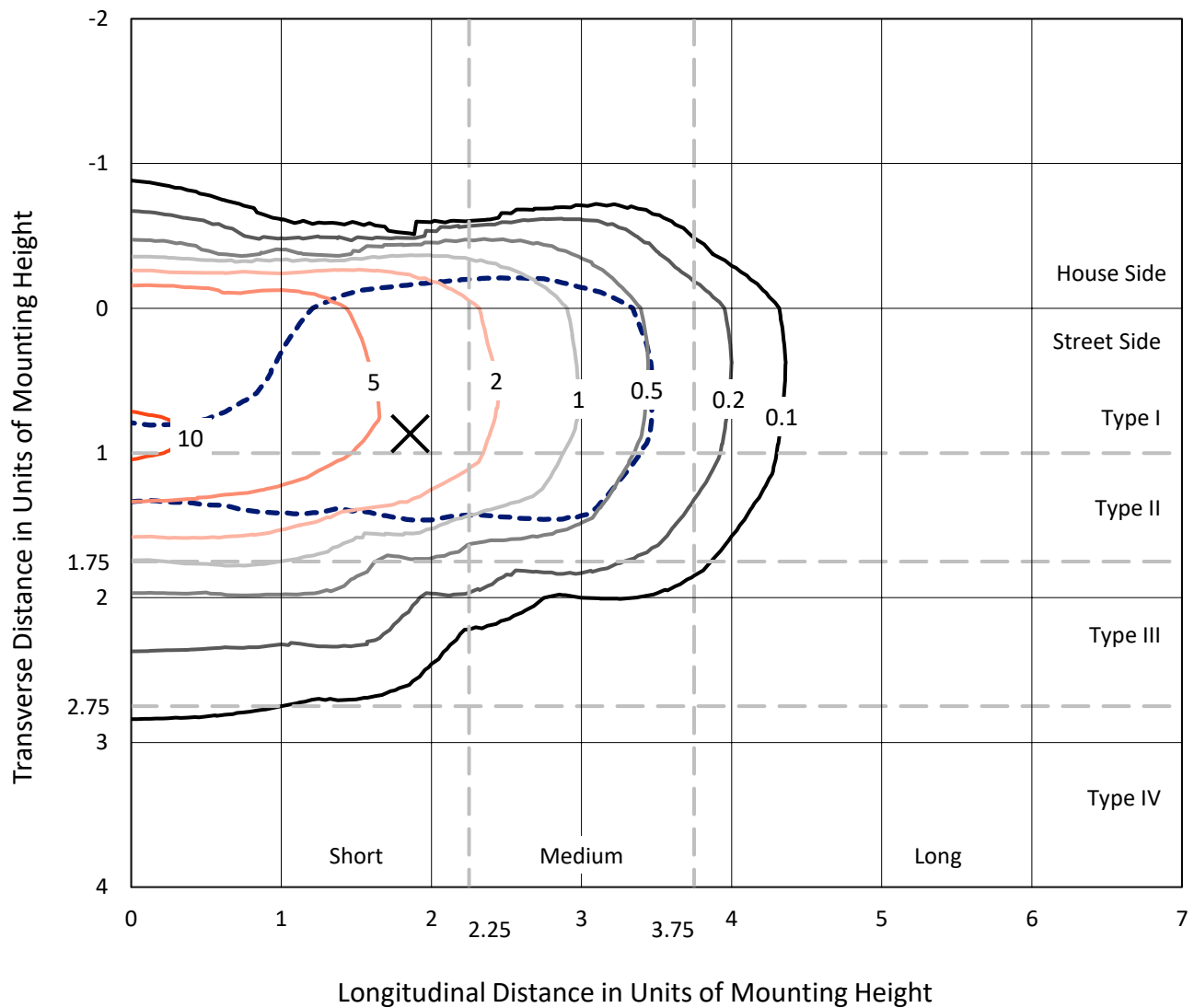


REPORT NUMBER: P639242

CATALOG NUMBER: USSL-M-PA6B-730-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

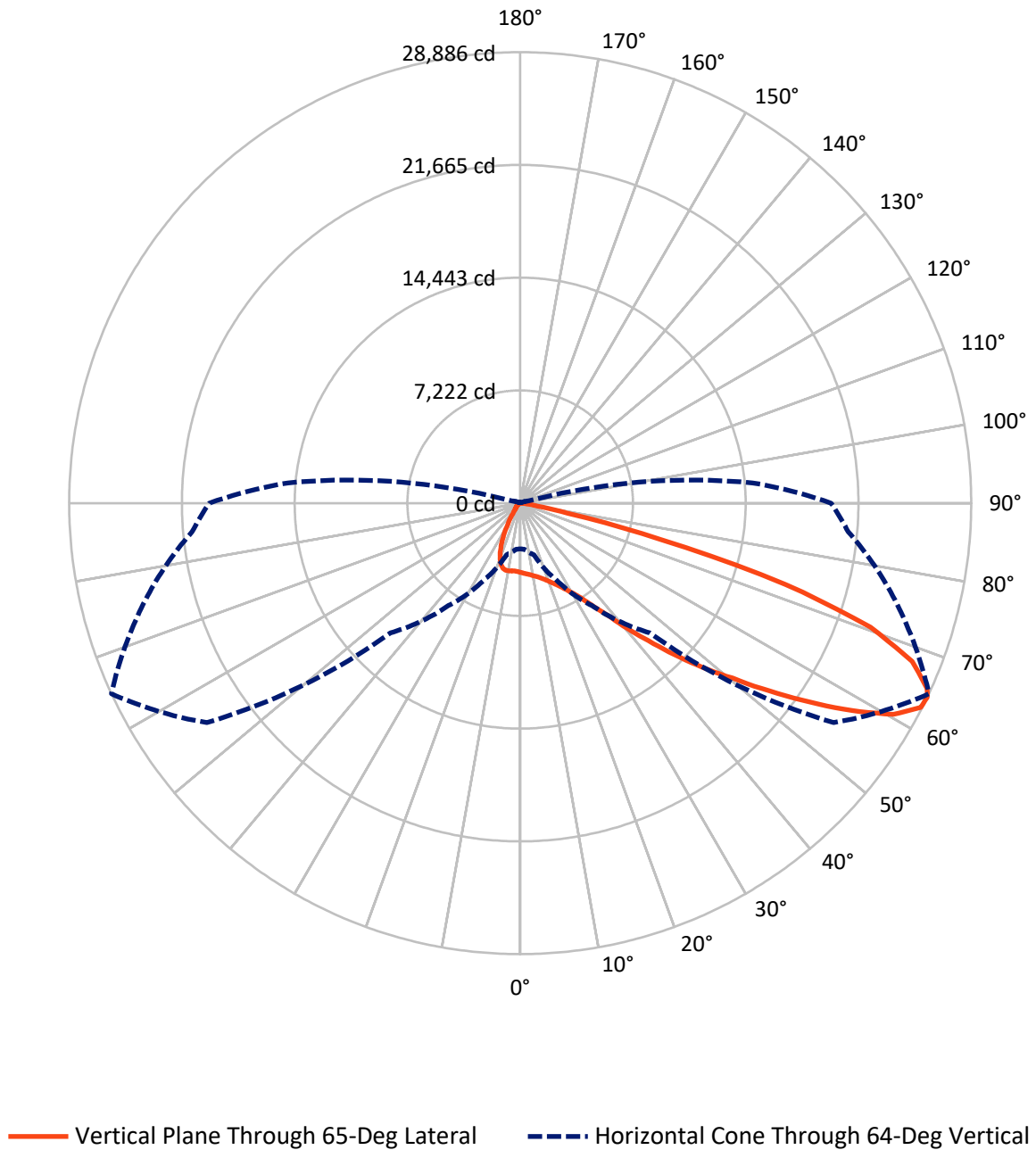
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc
 Type II - Short - N/A

REPORT NUMBER: P639242
CATALOG NUMBER: USSL-M-PA6B-730-U-T2U-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P639242

CATALOG NUMBER: USSL-M-PA6B-730-U-T2U-HSS

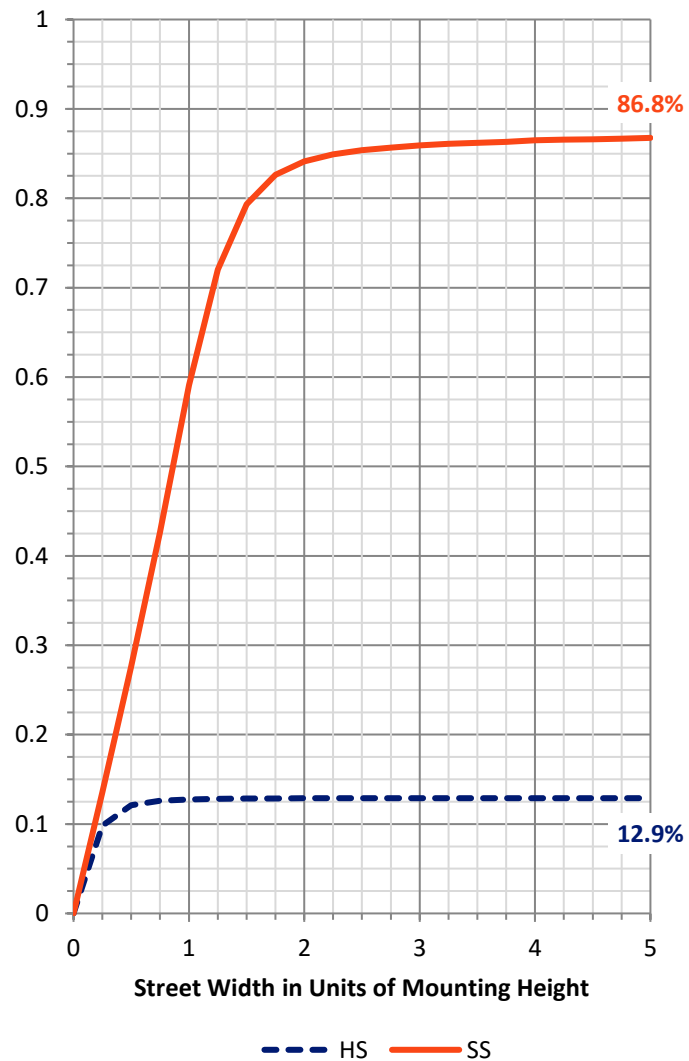
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4345.5	0.0	4345.5
	% Fixture	13.0	0.0	13.0
Street Side	Lumens	28981.5	0.0	28981.5
	% Fixture	87.0	0.0	87.0
Total	Lumens	33327.0	0.0	33327.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.8	1.3
10°-20°	1114.2	3.3
20°-30°	1790.6	5.4
30°-40°	3263.5	9.8
40°-50°	6650.2	20.0
50°-60°	9173.1	27.5
60°-70°	7715.4	23.2
70°-80°	3022.1	9.1
80°-90°	179.2	0.5
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°	33327.0	100.0
0°-180°	33327.0	100.0

Coefficient of Utilization



REPORT NUMBER: P639242

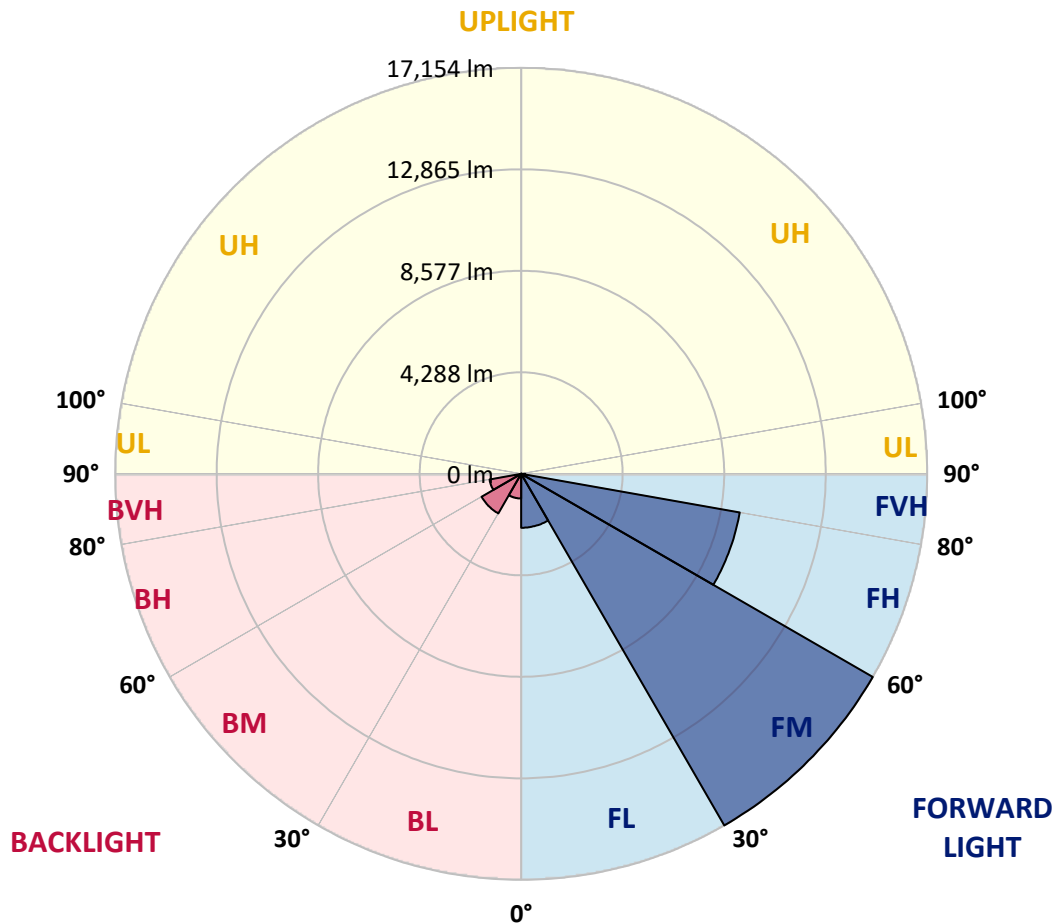
CATALOG NUMBER: USSL-M-PA6B-730-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2279.2	6.8			
FM	(30°-60°)	17153.6	51.5			
FH	(60°-80°)	9378.0	28.1			G4/12000
FVH	(80°-90°)	170.8	0.5			G2/225
BL	(0°-30°)	1044.4	3.1	B3/2500		
BM	(30°-60°)	1933.2	5.8	B2/2500		
BH	(60°-80°)	1359.4	4.1	B3/2500		G3/2500
BVH	(80°-90°)	8.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Short



REPORT NUMBER: P639242

CATALOG NUMBER: USSL-M-PA6B-730-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4435.4	4435.4	4435.4	4435.4	4435.4	4435.4	4435.4	4435.4	4435.4	4435.4	4435.4
2.5°	4612.7	4571.2	4566.6	4560.9	4543.6	4532.1	4512.5	4495.3	4469.9	4446.9	4432.0
5°	4678.3	4632.3	4631.1	4632.3	4617.3	4603.5	4581.6	4552.8	4512.5	4471.1	4444.6
7.5°	4687.5	4644.9	4648.4	4653.0	4650.7	4650.7	4646.1	4627.7	4590.8	4534.4	4502.2
10°	4730.1	4692.1	4689.8	4687.5	4684.1	4694.4	4719.7	4727.8	4693.3	4635.7	4592.0
12.5°	4830.3	4788.8	4786.5	4778.5	4770.4	4778.5	4815.3	4837.2	4815.3	4746.2	4695.6
15°	4966.1	4922.3	4917.7	4909.7	4903.9	4918.9	4948.8	4971.8	4946.5	4869.4	4806.1
17.5°	5121.5	5067.4	5080.1	5073.1	5074.3	5084.7	5120.3	5143.4	5111.1	5019.0	4939.6
20°	5293.0	5236.6	5260.8	5270.0	5266.5	5289.6	5335.6	5356.3	5303.4	5181.4	5084.7
22.5°	5488.7	5431.2	5473.8	5507.1	5476.1	5525.6	5590.0	5602.7	5534.8	5366.7	5242.4
25°	5743.1	5675.2	5724.7	5762.7	5699.4	5777.7	5873.2	5898.5	5820.3	5621.1	5456.5
27.5°	6149.5	6057.4	6063.1	6053.9	5975.7	6064.3	6202.4	6258.8	6166.7	5925.0	5727.0
30°	7060.0	6901.2	6711.2	6455.7	6308.3	6431.5	6616.9	6715.9	6606.5	6276.1	6026.3
32.5°	8693.5	8442.6	8050.0	7308.7	6805.6	6875.9	7132.6	7285.7	7185.5	6795.3	6474.1
35°	11040.7	10672.4	9969.0	8995.1	7776.1	7473.3	7794.5	8134.1	8037.4	7612.6	7209.7
37.5°	13831.2	13353.4	12392.2	11070.7	9302.5	8380.4	8677.4	9093.0	9144.8	8653.2	8172.1
40°	16176.1	15679.9	14864.9	13459.3	11492.0	9885.0	9847.0	10552.7	10491.6	9894.2	9316.3
42.5°	17891.3	17402.0	16867.9	15782.4	14239.8	12354.2	11417.2	12041.1	11962.8	11196.2	10527.3
45°	18884.7	18411.6	18106.5	17668.0	16794.2	15879.1	13542.2	13831.2	13534.2	12559.1	11756.8
47.5°	19164.5	18677.5	18646.4	18892.8	19095.4	19256.6	16235.9	15720.2	15148.1	13848.4	12997.7
50°	18232.0	17935.0	18365.6	19401.6	20838.2	21790.3	19270.4	17617.3	16817.3	15244.8	14247.9
52.5°	15483.1	15440.5	16630.8	18765.0	21797.2	23965.9	22210.4	19984.1	18489.9	16565.2	15478.5
55°	11852.3	11840.8	13402.9	16244.0	21258.4	24678.5	24699.2	22494.8	20080.8	17814.2	16657.2
57.5°	8073.1	8204.3	10313.2	12826.2	18375.9	24030.4	26228.0	25067.6	21695.9	19003.3	17768.1
60°	5045.5	5098.5	6879.3	9769.9	14040.7	20920.0	26661.9	27467.8	23091.1	19986.4	18755.8
62.5°	3507.6	3524.8	4291.5	6996.7	9895.3	15331.1	25848.1	28803.1	24372.3	20756.5	19559.3
64°	2929.7	2960.8	3430.4	5375.9	8006.3	11749.9	24503.5	28886.0	24985.9	21090.3	19918.5
65°	2601.6	2646.5	3002.2	4446.9	6989.8	9388.8	22970.2	28643.1	25319.7	21251.5	20069.3
67.5°	2045.6	2035.2	2212.5	2859.5	5046.7	5128.4	17371.0	27078.7	25639.7	21281.4	20092.3
70°	1788.9	1801.6	1885.6	2066.3	3552.5	3225.5	8996.3	23800.2	24513.9	20460.7	19205.9
72.5°	1397.5	1401.0	1600.1	1788.9	2351.8	2142.3	3866.7	17752.0	20357.1	17688.7	16357.9
75°	929.0	972.7	1188.0	1555.2	1609.3	1452.8	1686.4	9284.1	12338.1	11824.7	10521.6
77.5°	623.9	645.8	790.8	1148.9	1436.6	923.2	934.7	3108.1	5099.6	4570.1	3985.3
80°	396.0	411.0	520.3	796.6	1112.0	672.3	551.4	1105.1	1433.2	952.0	774.7
82.5°	269.4	285.5	347.6	574.4	712.6	605.5	329.2	512.3	561.8	248.6	187.6
85°	120.9	166.9	245.2	382.2	463.9	313.1	202.6	255.6	308.5	115.1	64.5
87.5°	23.0	34.5	142.7	206.1	139.3	74.8	99.0	96.7	135.8	46.0	20.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P639242

CATALOG NUMBER: USSL-M-PA6B-730-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4435.4	4435.4	4435.4	4435.4	4435.4	4435.4	4435.4	4435.4	4435.4	4435.4
2.5°	4420.4	4406.6	4385.9	4364.0	4339.9	4328.4	4322.6	4313.4	4311.1	4266.2
5°	4428.5	4394.0	4354.8	4313.4	4269.6	4244.3	4225.9	4202.9	4192.5	4149.9
7.5°	4478.0	4421.6	4362.9	4292.7	4202.9	4100.4	3964.6	3887.5	3826.4	3791.9
10°	4563.2	4482.6	4392.8	4238.6	3984.2	3666.4	3324.5	3095.5	2975.7	2964.2
12.5°	4654.1	4547.1	4400.9	4041.7	3481.1	2914.7	2397.9	2092.8	1950.1	1944.3
15°	4754.3	4619.6	4331.8	3631.9	2776.6	2056.0	1547.2	1283.5	1154.6	1147.7
17.5°	4875.2	4696.7	4146.5	3052.9	2005.3	1306.6	973.9	844.9	807.0	802.4
20°	5007.5	4758.9	3824.1	2400.2	1336.5	888.7	748.3	681.5	652.7	648.1
22.5°	5148.0	4783.1	3402.8	1755.5	920.9	711.4	618.2	554.9	524.9	520.3
25°	5332.2	4768.1	2899.8	1211.0	728.7	592.8	499.6	446.6	417.9	415.6
27.5°	5577.4	4709.4	2327.6	866.8	618.2	490.4	402.9	354.6	336.1	333.8
30°	5836.4	4529.8	1768.2	682.6	521.5	400.6	324.6	288.9	275.1	272.8
32.5°	6186.3	4270.8	1267.4	562.9	432.8	326.9	265.9	238.3	229.1	227.9
35°	6813.7	4039.4	858.8	463.9	353.4	268.2	222.2	202.6	198.0	198.0
37.5°	7663.3	3808.0	625.1	387.9	287.8	223.3	189.9	177.3	176.1	176.1
40°	8646.3	3529.4	498.5	326.9	240.6	191.1	164.6	155.4	157.7	157.7
42.5°	9640.9	3154.2	428.2	277.4	206.1	165.8	143.9	134.7	139.3	140.4
45°	10613.7	2655.7	377.6	238.3	180.7	143.9	124.3	116.3	122.0	122.0
47.5°	11482.8	2146.9	332.7	207.2	158.9	125.5	104.8	96.7	101.3	103.6
50°	12340.4	1647.3	291.2	183.0	142.7	108.2	87.5	80.6	85.2	87.5
52.5°	13097.9	1333.0	254.4	163.5	127.8	92.1	72.5	65.6	71.4	72.5
55°	13756.3	1086.7	219.9	146.2	111.7	77.1	58.7	54.1	59.9	61.0
57.5°	14313.5	899.1	189.9	130.1	97.8	65.6	49.5	46.0	50.7	53.0
60°	14700.3	731.0	161.2	115.1	84.0	55.3	41.4	38.0	41.4	41.4
62.5°	14909.8	592.8	138.1	101.3	72.5	48.3	35.7	28.8	31.1	31.1
64°	14935.1	526.1	125.5	93.2	65.6	44.9	31.1	23.0	24.2	24.2
65°	14909.8	484.6	115.1	87.5	62.2	42.6	28.8	18.4	18.4	19.6
67.5°	14578.3	398.3	94.4	73.7	51.8	35.7	20.7	11.5	11.5	11.5
70°	13674.6	306.2	78.3	59.9	42.6	29.9	16.1	8.1	6.9	6.9
72.5°	10978.6	210.7	62.2	44.9	33.4	24.2	11.5	4.6	2.3	2.3
75°	5137.6	134.7	43.7	29.9	23.0	18.4	8.1	2.3	0.0	0.0
77.5°	1503.4	77.1	27.6	19.6	16.1	12.7	6.9	1.2	0.0	0.0
80°	306.2	31.1	18.4	15.0	12.7	10.4	5.8	1.2	0.0	0.0
82.5°	51.8	16.1	15.0	11.5	10.4	8.1	4.6	0.0	0.0	0.0
85°	19.6	11.5	12.7	10.4	9.2	6.9	3.5	0.0	0.0	0.0
87.5°	11.5	11.5	11.5	10.4	8.1	4.6	2.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)