

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: P1211384

Luminaire Tested: **ARCH4-260-727-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211384
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-260-727-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2700K, 1010mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25343.1 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 259.2
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

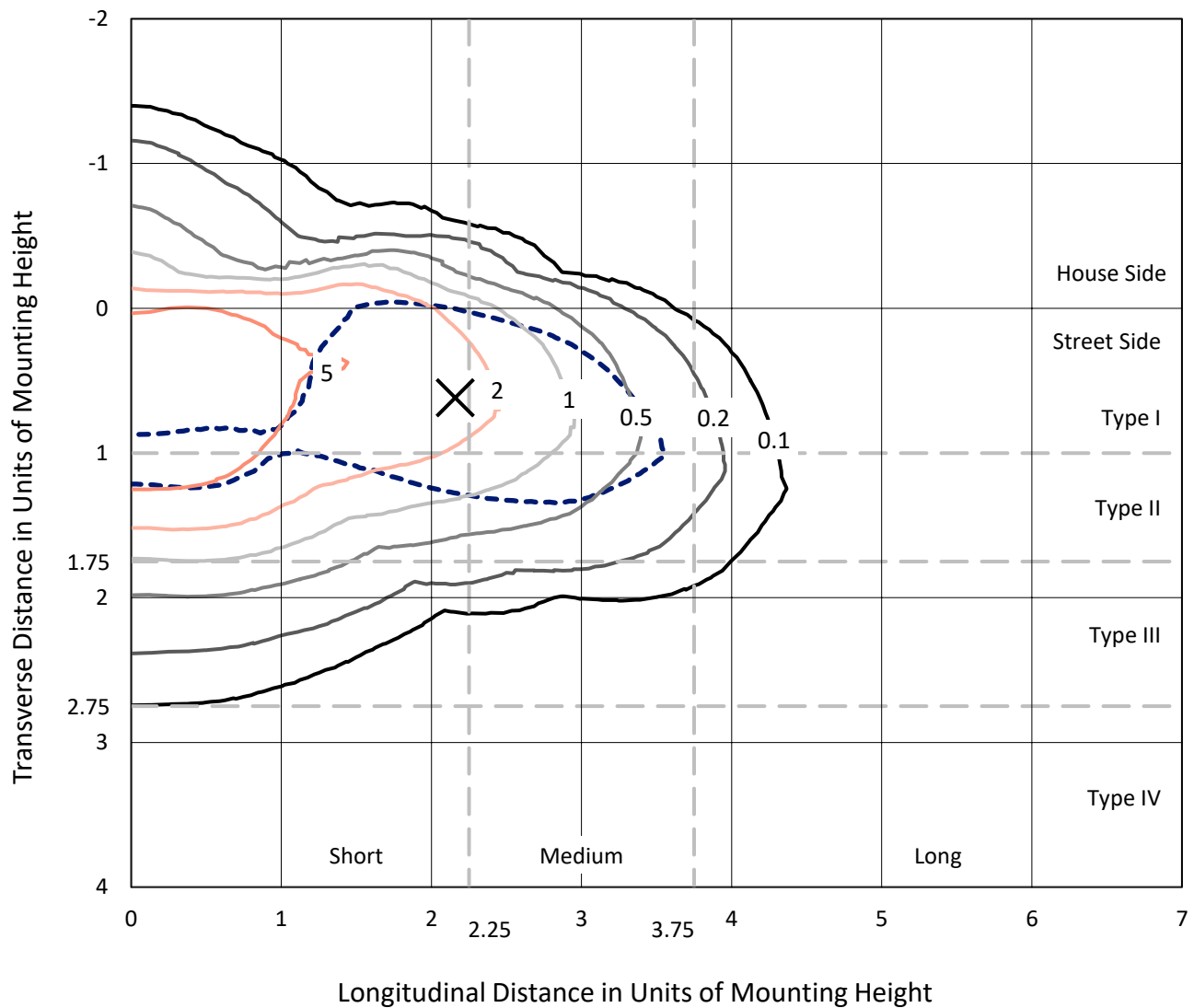


REPORT NUMBER: P1211384

CATALOG NUMBER: ARCH4-260-727-U-T2RE-HSS

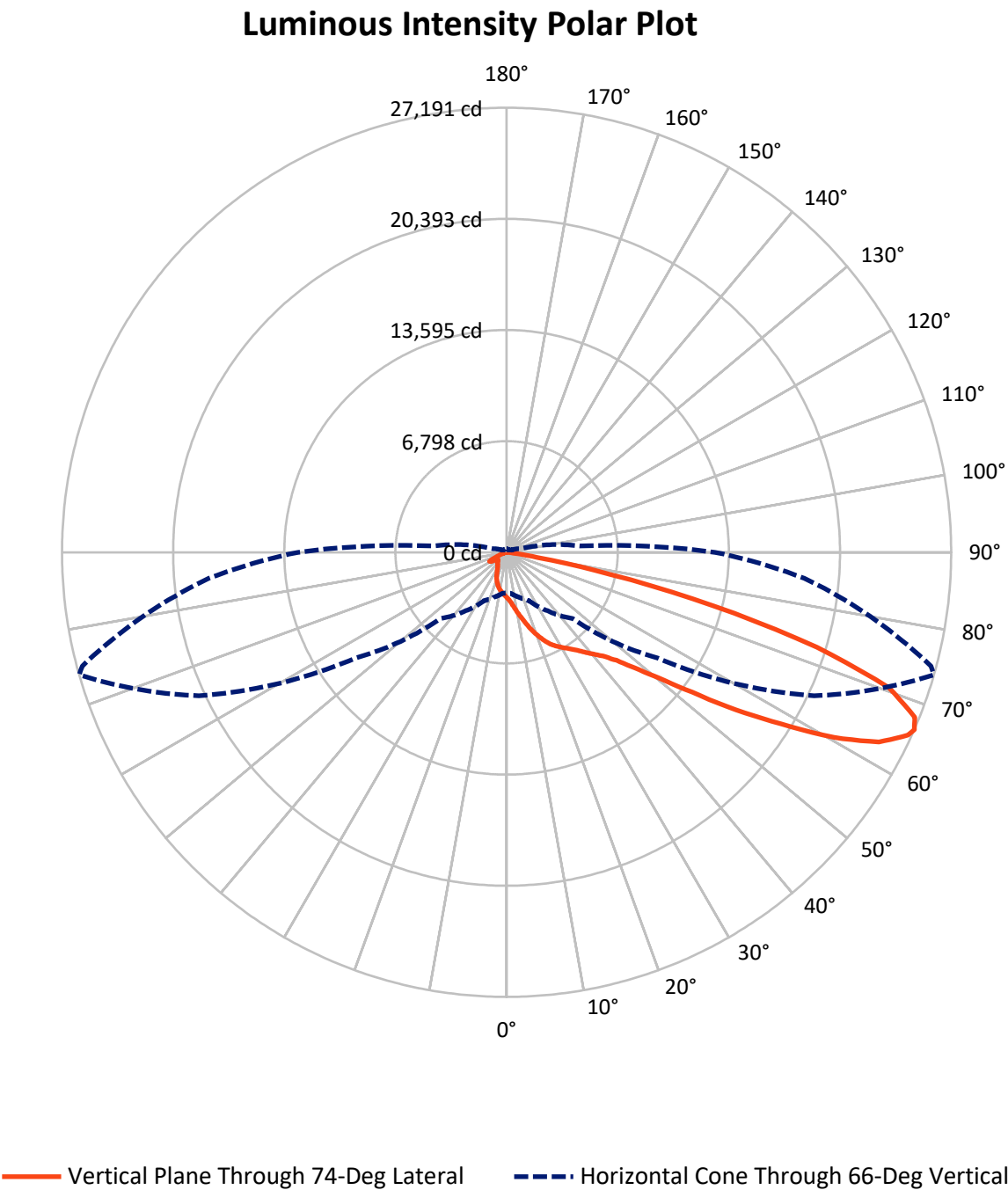
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
Type II - Short - N/A

REPORT NUMBER: P1211384
CATALOG NUMBER: ARCH4-260-727-U-T2RE-HSS



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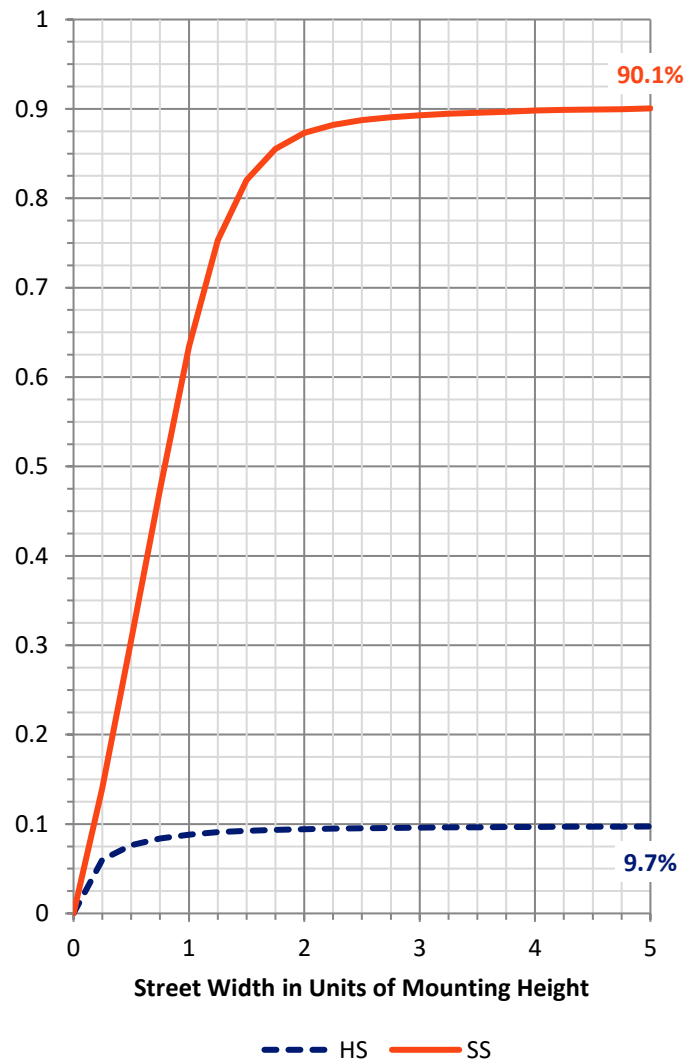
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2484.5	0.0	2484.5
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	22858.6	0.0	22858.6
	% Fixture	90.2	0.0	90.2
Total	Lumens	25343.1	0.0	25343.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.0	1.1
10°-20°	865.6	3.4
20°-30°	1652.0	6.5
30°-40°	2895.6	11.4
40°-50°	4965.2	19.6
50°-60°	6457.6	25.5
60°-70°	5845.7	23.1
70°-80°	2255.6	8.9
80°-90°	135.8	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°	25343.1	100.0
0°-180°	25343.1	100.0

Coefficient of Utilization



REPORT NUMBER: P1211384

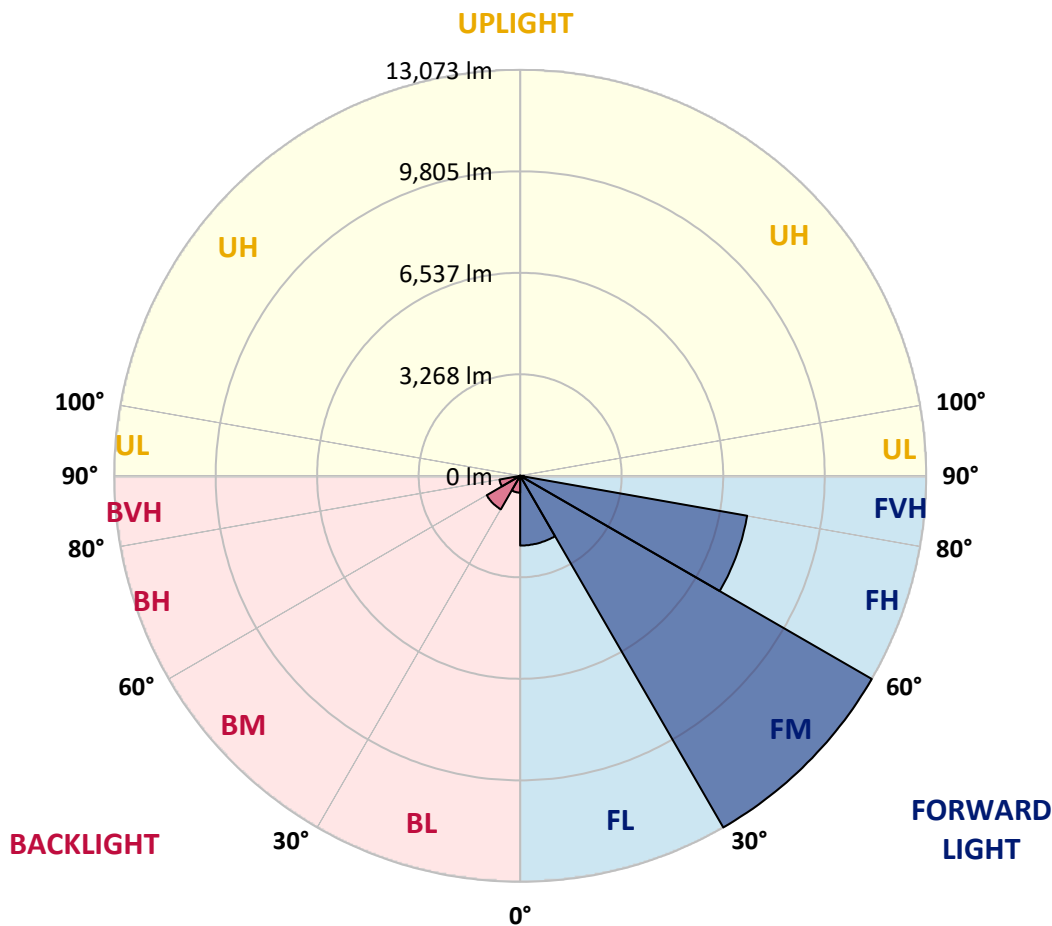
CATALOG NUMBER: ARCH4-260-727-U-T2RE-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2245.8	8.9			
FM	(30°-60°)	13073.2	51.6			
FH	(60°-80°)	7422.1	29.3			G3/7500
FVH	(80°-90°)	117.6	0.5			G2/225
BL	(0°-30°)	541.9	2.1	B2/1000		
BM	(30°-60°)	1245.1	4.9	B2/2500		
BH	(60°-80°)	679.2	2.7	B2/1000		G2/1000
BVH	(80°-90°)	18.2	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Short



REPORT NUMBER: P1211384

CATALOG NUMBER: ARCH4-260-727-U-T2RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4
2.5°	3321.5	3294.2	3244.2	3239.6	3198.7	3148.6	3062.2	2971.2	2907.5	2898.4	2821.0
5°	3976.7	3963.1	3913.0	3881.2	3803.8	3685.5	3485.3	3285.1	3116.8	3098.6	2925.7
7.5°	4149.6	4158.7	4167.8	4199.7	4172.4	4117.8	3967.6	3685.5	3421.6	3380.7	3080.4
10°	4176.9	4167.8	4167.8	4208.8	4286.1	4363.5	4345.3	4104.1	3762.9	3712.8	3294.2
12.5°	4472.7	4486.3	4454.5	4436.3	4422.6	4463.6	4600.1	4495.4	4122.3	4081.4	3553.6
15°	4854.9	4850.3	4804.8	4804.8	4763.9	4695.6	4782.1	4859.4	4554.6	4504.5	3849.3
17.5°	5132.4	5150.6	5146.1	5173.4	5159.7	5068.7	5023.2	5182.5	5000.5	4936.8	4186.0
20°	5355.4	5405.4	5423.6	5510.1	5551.0	5487.3	5369.0	5469.1	5428.2	5369.0	4527.3
22.5°	5592.0	5632.9	5664.8	5814.9	5928.7	5915.0	5764.9	5742.1	5842.2	5787.6	4864.0
25°	5828.6	5846.8	5942.3	6124.3	6306.3	6351.8	6197.1	6019.7	6215.3	6165.3	5164.3
27.5°	6087.9	6097.0	6210.8	6433.7	6688.5	6784.1	6661.2	6333.6	6502.0	6502.0	5437.3
30°	6561.1	6652.1	6697.6	6897.8	7120.8	7252.7	7107.1	6665.8	6756.8	6797.7	5723.9
32.5°	7580.3	7594.0	7580.3	7666.8	7712.3	7789.6	7621.3	7038.9	7016.1	7061.6	6006.0
35°	9136.4	9081.8	8936.2	8808.8	8544.9	8399.3	8180.9	7516.6	7334.6	7398.3	6283.6
37.5°	11024.7	10947.3	10615.2	10223.9	9659.7	9077.3	8804.3	8099.0	7739.6	7821.5	6583.9
40°	12826.5	12776.4	12380.6	11898.3	10933.7	9937.2	9359.4	8590.4	8190.0	8221.9	6888.7
42.5°	14309.8	14300.7	13968.5	13463.5	12225.9	10865.4	10014.6	9072.7	8663.2	8713.3	7207.2
45°	15433.6	15347.2	15101.5	14737.5	13477.1	11830.0	10806.3	9805.3	9423.1	9482.2	7685.0
47.5°	15433.6	15447.3	15606.5	15570.1	14350.7	12735.5	11670.8	10728.9	10546.9	10601.5	8472.1
50°	14177.8	14305.2	15015.0	15611.1	14805.7	13440.7	12603.5	11884.6	12071.2	12153.1	9846.2
52.5°	11693.5	11907.4	13140.4	14500.9	14469.0	13795.6	13568.1	13354.3	14191.5	14337.1	11875.5
55°	8886.2	9027.2	10633.4	12421.5	13003.9	13504.4	14409.9	15219.8	16998.8	16967.0	13936.7
57.5°	6638.5	6770.4	8153.6	10137.4	10906.4	12244.1	14842.1	17353.7	19783.5	19906.3	15870.4
60°	4882.2	4982.3	6160.7	7789.6	8899.8	10314.9	14669.2	19455.9	22991.2	22850.2	17576.7
62.5°	3612.7	3667.3	4518.2	5578.3	7052.5	8403.9	13581.8	20893.7	25552.9	25266.2	18527.7
65°	2793.7	2811.9	3253.3	3817.5	5127.9	6533.8	11962.0	21112.1	26967.9	26663.1	18509.5
66°	2488.9	2502.5	2825.6	3262.4	4363.5	5719.4	11252.2	20761.7	27190.9	26867.8	18281.9
67.5°	2088.5	2079.4	2270.5	2557.1	3276.0	4413.5	9991.8	19738.0	26927.0	26763.2	17553.9
70°	1547.0	1551.6	1647.1	1715.4	1915.6	2443.4	7216.3	17121.7	24815.8	24806.7	15556.5
72.5°	1146.6	1160.3	1233.1	1246.7	1196.7	1324.1	4158.7	13618.2	19851.7	19856.3	11629.8
75°	860.0	882.7	905.5	914.6	869.1	837.2	1879.2	9163.7	13058.5	12963.0	6583.9
77.5°	655.2	664.3	682.5	668.9	659.8	577.9	782.6	4468.1	6447.4	5874.1	2134.0
80°	477.8	477.8	496.0	477.8	473.2	414.1	427.7	1433.3	1892.8	1574.3	459.6
82.5°	300.3	295.8	309.4	304.9	295.8	263.9	250.3	400.4	436.8	391.3	223.0
85°	168.4	163.8	159.3	154.7	141.1	118.3	136.5	150.2	200.2	204.8	159.3
87.5°	59.2	59.2	54.6	50.1	41.0	41.0	50.1	50.1	72.8	72.8	81.9
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: P1211384

CATALOG NUMBER: ARCH4-260-727-U-T2RE-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4
2.5°	2784.6	2734.6	2661.8	2566.2	2498.0	2429.7	2356.9	2316.0	2256.8	2243.2	2261.4
5°	2834.7	2743.7	2561.7	2361.5	2188.6	2033.9	1888.3	1801.8	1715.4	1683.5	1697.2
7.5°	2939.3	2784.6	2475.2	2152.2	1865.5	1633.5	1460.6	1360.5	1283.1	1251.3	1260.4
10°	3094.0	2857.4	2393.3	1915.6	1547.0	1301.3	1155.7	1092.0	1046.5	1028.3	1032.9
12.5°	3280.6	2962.1	2288.7	1679.0	1274.0	1060.2	991.9	978.3	969.2	960.1	964.6
15°	3489.9	3053.1	2165.8	1446.9	1060.2	941.9	919.1	914.6	910.0	910.0	910.0
17.5°	3708.3	3135.0	2029.3	1228.5	923.7	869.1	855.4	855.4	855.4	860.0	860.0
20°	3913.0	3198.7	1870.1	1032.9	846.3	800.8	791.7	791.7	796.3	800.8	800.8
22.5°	4113.2	3226.0	1683.5	896.4	782.6	741.7	728.0	728.0	728.0	732.6	732.6
25°	4286.1	3226.0	1497.0	809.9	728.0	687.1	668.9	664.3	668.9	668.9	668.9
27.5°	4431.7	3212.3	1315.0	750.8	673.4	632.5	614.3	609.7	618.8	623.4	623.4
30°	4586.4	3194.1	1169.4	696.2	627.9	587.0	568.8	568.8	582.4	600.6	600.6
32.5°	4736.6	3207.8	1055.6	650.7	582.4	550.6	532.4	536.9	564.2	591.5	591.5
35°	4895.8	3235.1	987.4	618.8	550.6	518.7	505.1	518.7	546.0	573.3	573.3
37.5°	5055.1	3266.9	946.4	591.5	523.3	491.4	482.3	500.5	532.4	559.7	564.2
40°	5223.4	3294.2	900.9	564.2	505.1	468.7	464.1	482.3	523.3	550.6	555.1
42.5°	5432.7	3348.8	846.3	541.5	486.9	441.4	445.9	459.6	500.5	541.5	546.0
45°	5842.2	3521.7	791.7	518.7	464.1	427.7	418.6	427.7	473.2	518.7	527.8
47.5°	6611.2	3913.0	732.6	496.0	441.4	418.6	382.2	391.3	432.3	482.3	486.9
50°	8085.4	4745.7	700.7	473.2	423.2	386.8	345.8	345.8	377.7	423.2	423.2
52.5°	10383.1	6238.1	718.9	455.0	400.4	354.9	314.0	309.4	327.6	359.5	359.5
55°	12862.9	7876.1	787.2	436.8	373.1	336.7	291.2	268.5	282.1	300.3	300.3
57.5°	14828.5	8699.6	973.7	427.7	341.3	323.1	263.9	232.1	245.7	263.9	263.9
60°	15693.0	8217.3	1183.0	436.8	318.5	300.3	236.6	204.8	227.5	245.7	250.3
62.5°	14992.3	6765.9	1269.5	414.1	286.7	268.5	232.1	191.1	218.4	232.1	236.6
65°	13477.1	5141.5	991.9	359.5	263.9	232.1	209.3	182.0	204.8	218.4	218.4
66°	12758.2	4481.8	846.3	332.2	254.8	218.4	200.2	182.0	200.2	209.3	213.9
67.5°	11643.5	3535.4	627.9	291.2	236.6	200.2	186.6	172.9	191.1	200.2	200.2
70°	9104.6	2106.7	377.7	227.5	204.8	177.5	168.4	159.3	172.9	177.5	177.5
72.5°	5701.2	1001.0	241.2	168.4	172.9	168.4	141.1	150.2	154.7	159.3	159.3
75°	2761.9	395.9	163.8	122.9	141.1	159.3	113.8	132.0	136.5	145.6	141.1
77.5°	769.0	191.1	104.7	91.0	122.9	122.9	86.5	104.7	122.9	154.7	141.1
80°	223.0	122.9	68.3	68.3	86.5	86.5	59.2	72.8	81.9	91.0	95.6
82.5°	154.7	81.9	45.5	50.1	50.1	54.6	36.4	36.4	45.5	45.5	50.1
85°	122.9	36.4	27.3	31.9	22.8	27.3	18.2	18.2	22.8	18.2	18.2
87.5°	50.1	18.2	18.2	18.2	13.7	13.7	9.1	4.6	4.6	4.6	4.6
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)