

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: P1211304

Luminaire Tested: **ARCH4-230-750-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211304
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: ARCH4-230-750-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 905mA 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: 25281 lumens
Efficiency: N/A
Efficacy: 109.3 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): 231.2
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

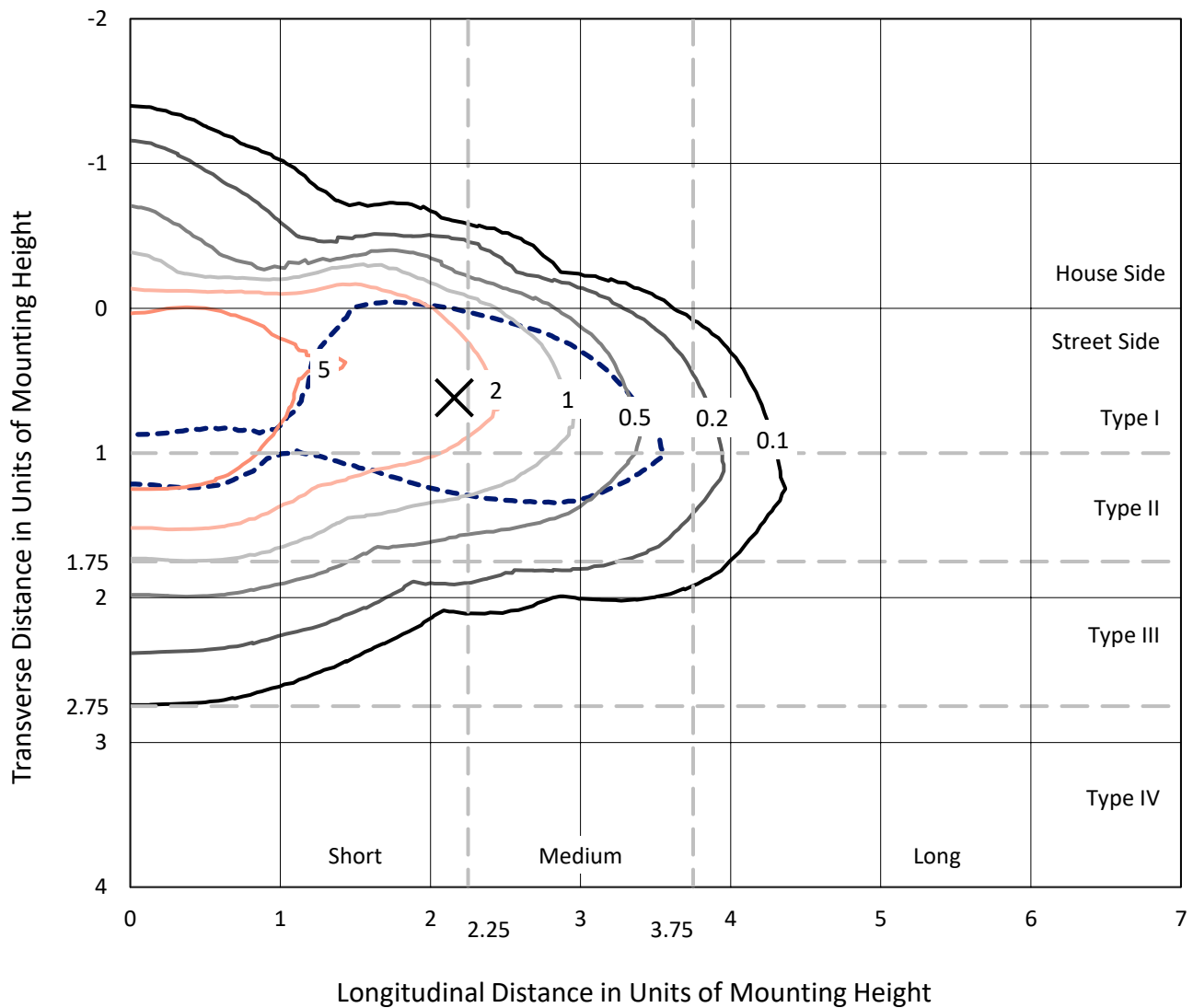


REPORT NUMBER: P1211304

CATALOG NUMBER: ARCH4-230-750-U-T2RE-HSS

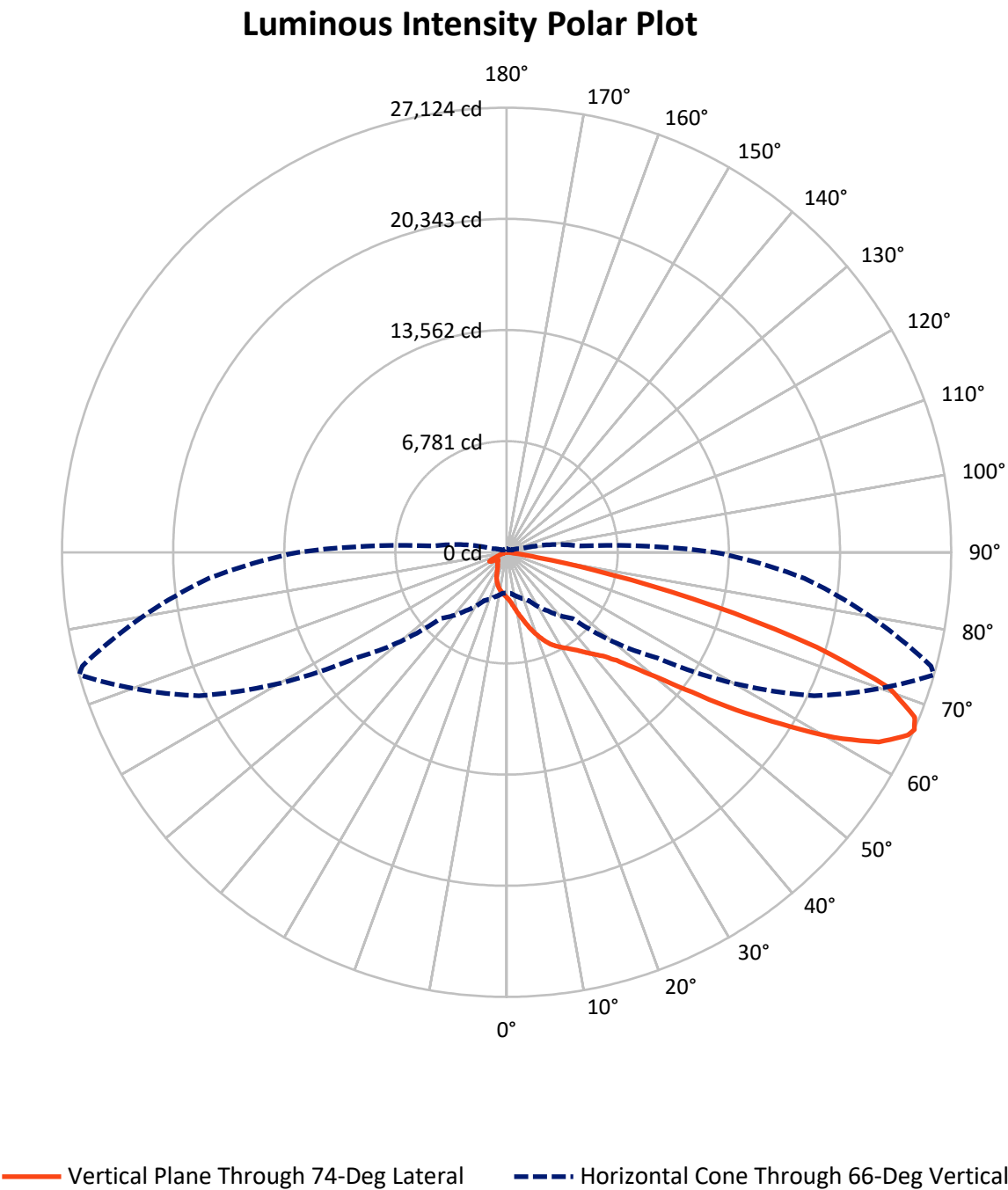
Iso-Footcandle Lines of Horizontal Illumination

× 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: P1211304
CATALOG NUMBER: ARCH4-230-750-U-T2RE-HSS



REPORT NUMBER: P1211304

CATALOG NUMBER: ARCH4-230-750-U-T2RE-HSS

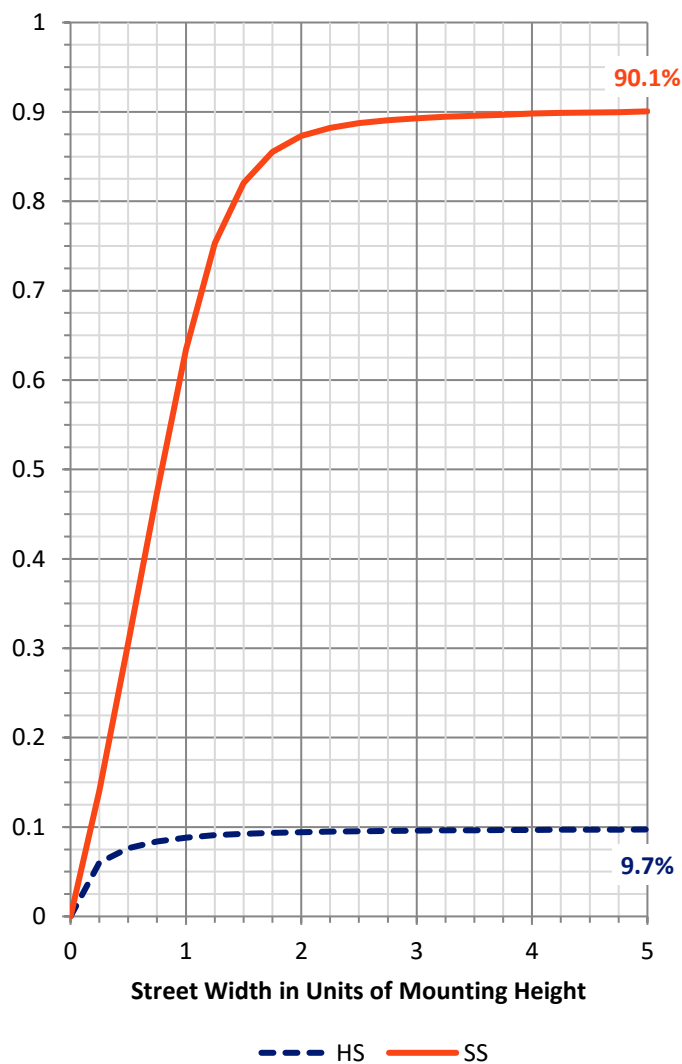
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2478.3	0.0	2478.3
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	22802.7	0.0	22802.7
	% Fixture	90.2	0.0	90.2
Total	Lumens	25281.0	0.0	25281.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.4	1.1
10°-20°	863.5	3.4
20°-30°	1648.0	6.5
30°-40°	2888.5	11.4
40°-50°	4953.0	19.6
50°-60°	6441.8	25.5
60°-70°	5831.4	23.1
70°-80°	2250.1	8.9
80°-90°	135.4	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°	25281.0	100.0
0°-180°	25281.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1211304

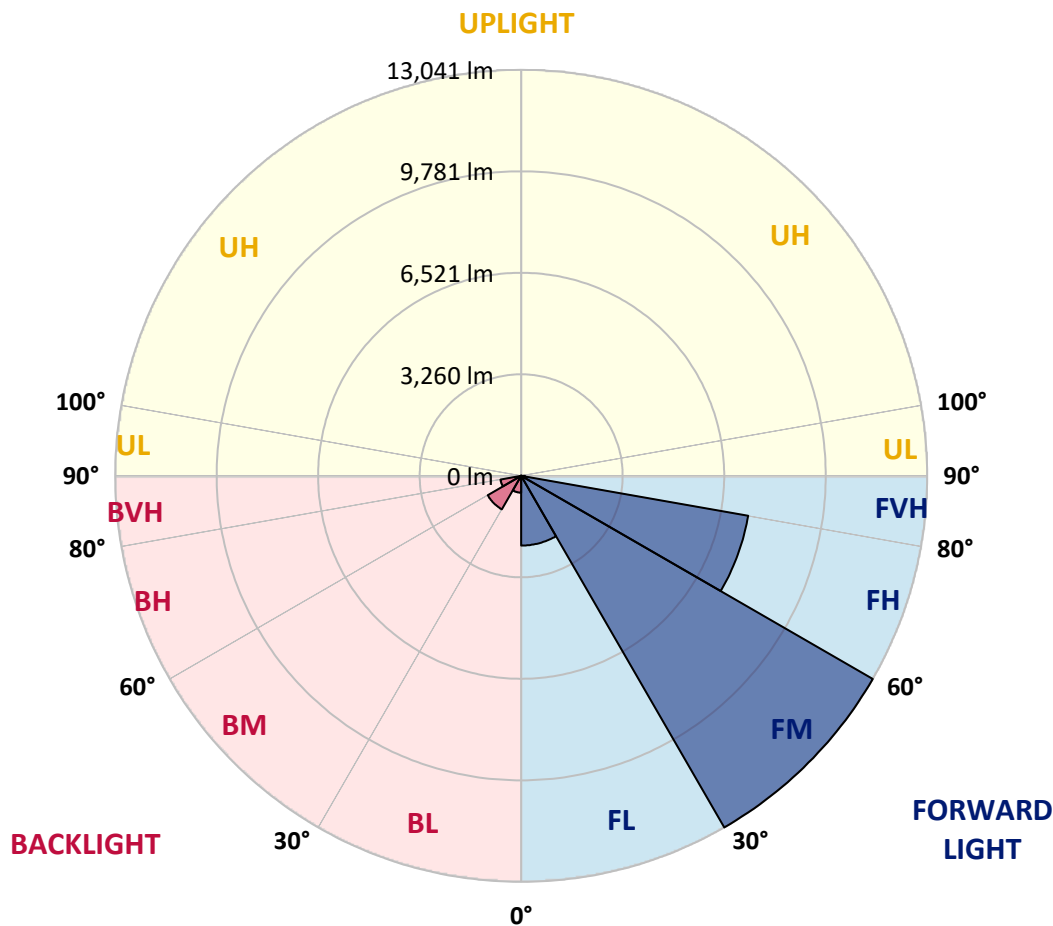
CATALOG NUMBER: ARCH4-230-750-U-T2RE-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2240.3	8.9			
FM	(30°-60°)	13041.2	51.6			
FH	(60°-80°)	7403.9	29.3			G3/7500
FVH	(80°-90°)	117.3	0.5			G2/225
BL	(0°-30°)	540.6	2.1	B2/1000		
BM	(30°-60°)	1242.1	4.9	B2/2500		
BH	(60°-80°)	677.5	2.7	B2/1000		G2/1000
BVH	(80°-90°)	18.1	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: P1211304

CATALOG NUMBER: ARCH4-230-750-U-T2RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6
2.5°	3313.4	3286.1	3236.2	3231.7	3190.8	3140.9	3054.7	2963.9	2900.3	2891.3	2814.1
5°	3967.0	3953.4	3903.4	3871.7	3794.5	3676.5	3476.8	3277.1	3109.1	3091.0	2918.5
7.5°	4139.5	4148.5	4157.6	4189.4	4162.2	4107.7	3957.9	3676.5	3413.2	3372.4	3072.8
10°	4166.7	4157.6	4157.6	4198.5	4275.6	4352.8	4334.6	4094.1	3753.7	3703.7	3286.1
12.5°	4461.7	4475.3	4443.6	4425.4	4411.8	4452.6	4588.8	4484.4	4112.2	4071.4	3544.9
15°	4843.0	4838.4	4793.1	4793.1	4752.2	4684.1	4770.4	4847.5	4543.4	4493.5	3839.9
17.5°	5119.9	5138.0	5133.5	5160.7	5147.1	5056.3	5010.9	5169.8	4988.2	4924.7	4175.8
20°	5342.3	5392.2	5410.3	5496.6	5537.4	5473.9	5355.9	5455.7	5414.9	5355.9	4516.2
22.5°	5578.3	5619.1	5650.9	5800.7	5914.2	5900.5	5750.8	5728.1	5827.9	5773.5	4852.1
25°	5814.3	5832.5	5927.8	6109.3	6290.9	6336.3	6182.0	6004.9	6200.1	6150.2	5151.6
27.5°	6073.0	6082.1	6195.6	6418.0	6672.2	6767.5	6644.9	6318.1	6486.1	6486.1	5424.0
30°	6545.1	6635.8	6681.2	6880.9	7103.3	7235.0	7089.7	6649.5	6740.2	6781.1	5709.9
32.5°	7561.8	7575.4	7561.8	7648.0	7693.4	7770.6	7602.6	7021.6	6999.0	7044.3	5991.3
35°	9114.1	9059.6	8914.4	8787.3	8524.0	8378.8	8160.9	7498.2	7316.7	7380.2	6268.2
37.5°	10997.7	10920.5	10589.2	10198.9	9636.0	9055.1	8782.7	8079.2	7720.6	7802.3	6567.8
40°	12795.1	12745.2	12350.3	11869.2	10906.9	9912.9	9336.5	8569.4	8170.0	8201.8	6871.9
42.5°	14274.8	14265.7	13934.4	13430.5	12196.0	10838.8	9990.1	9050.5	8642.0	8692.0	7189.6
45°	15395.9	15309.6	15064.5	14701.4	13444.2	11801.1	10779.8	9781.3	9400.0	9459.0	7666.2
47.5°	15395.9	15409.5	15568.4	15532.1	14315.6	12704.3	11642.2	10702.7	10521.1	10575.6	8451.4
50°	14143.2	14270.2	14978.3	15572.9	14769.5	13407.9	12572.7	11855.6	12041.7	12123.4	9822.1
52.5°	11664.9	11878.3	13108.3	14465.4	14433.6	13761.9	13534.9	13321.6	14156.8	14302.0	11846.5
55°	8864.4	9005.1	10607.4	12391.1	12972.1	13471.4	14374.6	15182.6	16957.3	16925.5	13902.6
57.5°	6622.2	6753.9	8133.7	10112.6	10879.7	12214.1	14805.8	17311.3	19735.1	19857.6	15831.6
60°	4870.2	4970.1	6145.6	7770.6	8878.1	10289.6	14633.4	19408.3	22935.0	22794.3	17533.7
62.5°	3603.9	3658.3	4507.1	5564.7	7035.3	8383.3	13548.6	20842.5	25490.4	25204.4	18482.3
65°	2786.9	2805.0	3245.3	3808.1	5115.3	6517.8	11932.7	21060.4	26901.9	26597.8	18464.2
66°	2482.8	2496.4	2818.6	3254.4	4352.8	5705.4	11224.7	20710.9	27124.4	26802.1	18237.2
67.5°	2083.3	2074.3	2264.9	2550.9	3268.0	4402.7	9967.4	19689.7	26861.1	26697.7	17511.0
70°	1543.2	1547.8	1643.1	1711.2	1910.9	2437.4	7198.7	17079.8	24755.1	24746.0	15518.4
72.5°	1143.8	1157.4	1230.0	1243.7	1193.7	1320.8	4148.5	13584.9	19803.1	19807.7	11601.4
75°	857.8	880.5	903.2	912.3	866.9	835.2	1874.6	9141.3	13026.6	12931.3	6567.8
77.5°	653.6	662.7	680.8	667.2	658.1	576.4	780.7	4457.2	6431.6	5859.7	2128.7
80°	476.6	476.6	494.7	476.6	472.0	413.0	426.7	1429.7	1888.2	1570.5	458.4
82.5°	299.6	295.0	308.6	304.1	295.0	263.3	249.6	399.4	435.7	390.3	222.4
85°	167.9	163.4	158.9	154.3	140.7	118.0	136.2	149.8	199.7	204.2	158.9
87.5°	59.0	59.0	54.5	49.9	40.8	40.8	49.9	49.9	72.6	72.6	81.7
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: P1211304

CATALOG NUMBER: ARCH4-230-750-U-T2RE-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6	2759.6
2.5°	2777.8	2727.9	2655.2	2559.9	2491.8	2423.8	2351.1	2310.3	2251.3	2237.7	2255.8
5°	2827.7	2736.9	2555.4	2355.7	2183.2	2028.9	1883.6	1797.4	1711.2	1679.4	1693.0
7.5°	2932.1	2777.8	2469.2	2146.9	1860.9	1629.5	1457.0	1357.1	1280.0	1248.2	1257.3
10°	3086.4	2850.4	2387.5	1910.9	1543.2	1298.1	1152.9	1089.3	1043.9	1025.8	1030.3
12.5°	3272.5	2954.8	2283.1	1674.8	1270.9	1057.6	989.5	975.9	966.8	957.7	962.2
15°	3481.3	3045.6	2160.5	1443.4	1057.6	939.5	916.9	912.3	907.8	907.8	907.8
17.5°	3699.2	3127.3	2024.3	1225.5	921.4	866.9	853.3	853.3	853.3	857.8	857.8
20°	3903.4	3190.8	1865.5	1030.3	844.2	798.8	789.8	789.8	794.3	798.8	798.8
22.5°	4103.1	3218.1	1679.4	894.2	780.7	739.8	726.2	726.2	726.2	730.8	730.8
25°	4275.6	3218.1	1493.3	807.9	726.2	685.4	667.2	662.7	667.2	667.2	667.2
27.5°	4420.9	3204.5	1311.7	748.9	671.8	630.9	612.7	608.2	617.3	621.8	621.8
30°	4575.2	3186.3	1166.5	694.4	626.4	585.5	567.4	567.4	581.0	599.1	599.1
32.5°	4725.0	3199.9	1053.0	649.1	581.0	549.2	531.0	535.6	562.8	590.1	590.1
35°	4883.8	3227.1	984.9	617.3	549.2	517.4	503.8	517.4	544.7	571.9	571.9
37.5°	5042.7	3258.9	944.1	590.1	522.0	490.2	481.1	499.3	531.0	558.3	562.8
40°	5210.6	3286.1	898.7	562.8	503.8	467.5	463.0	481.1	522.0	549.2	553.7
42.5°	5419.4	3340.6	844.2	540.1	485.7	440.3	444.8	458.4	499.3	540.1	544.7
45°	5827.9	3513.1	789.8	517.4	463.0	426.7	417.6	426.7	472.0	517.4	526.5
47.5°	6595.0	3903.4	730.8	494.7	440.3	417.6	381.3	390.3	431.2	481.1	485.7
50°	8065.6	4734.1	699.0	472.0	422.1	385.8	345.0	345.0	376.7	422.1	422.1
52.5°	10357.7	6222.8	717.1	453.9	399.4	354.0	313.2	308.6	326.8	358.6	358.6
55°	12831.4	7856.8	785.2	435.7	372.2	335.9	290.5	267.8	281.4	299.6	299.6
57.5°	14792.2	8678.3	971.3	426.7	340.4	322.3	263.3	231.5	245.1	263.3	263.3
60°	15654.6	8197.2	1180.1	435.7	317.7	299.6	236.0	204.2	226.9	245.1	249.6
62.5°	14955.6	6749.3	1266.3	413.0	285.9	267.8	231.5	190.6	217.9	231.5	236.0
65°	13444.2	5128.9	989.5	358.6	263.3	231.5	208.8	181.6	204.2	217.9	217.9
66°	12727.0	4470.8	844.2	331.3	254.2	217.9	199.7	181.6	199.7	208.8	213.3
67.5°	11615.0	3526.7	626.4	290.5	236.0	199.7	186.1	172.5	190.6	199.7	199.7
70°	9082.3	2101.5	376.7	226.9	204.2	177.0	167.9	158.9	172.5	177.0	177.0
72.5°	5687.2	998.6	240.6	167.9	172.5	167.9	140.7	149.8	154.3	158.9	158.9
75°	2755.1	394.9	163.4	122.5	140.7	158.9	113.5	131.6	136.2	145.2	140.7
77.5°	767.1	190.6	104.4	90.8	122.5	122.5	86.2	104.4	122.5	154.3	140.7
80°	222.4	122.5	68.1	68.1	86.2	86.2	59.0	72.6	81.7	90.8	95.3
82.5°	154.3	81.7	45.4	49.9	49.9	54.5	36.3	36.3	45.4	45.4	49.9
85°	122.5	36.3	27.2	31.8	22.7	27.2	18.2	18.2	22.7	18.2	18.2
87.5°	49.9	18.2	18.2	18.2	13.6	13.6	9.1	4.5	4.5	4.5	4.5
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)