

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: P254257

Luminaire Tested: **LXF.LXT-AF24-30-D-U-5WQ-A**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254257
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-18)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-30-D-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3504.6 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U3 - G2

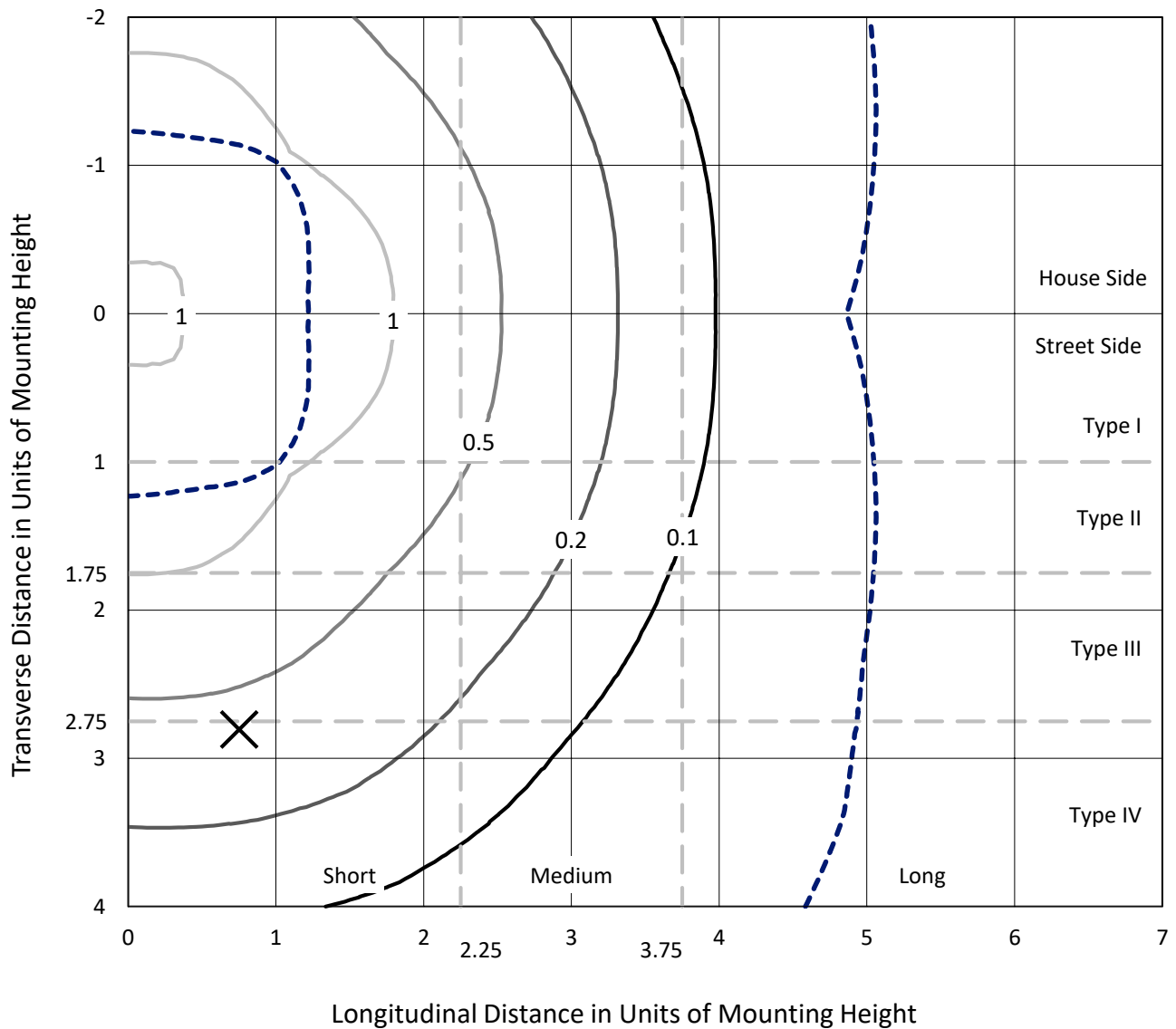
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

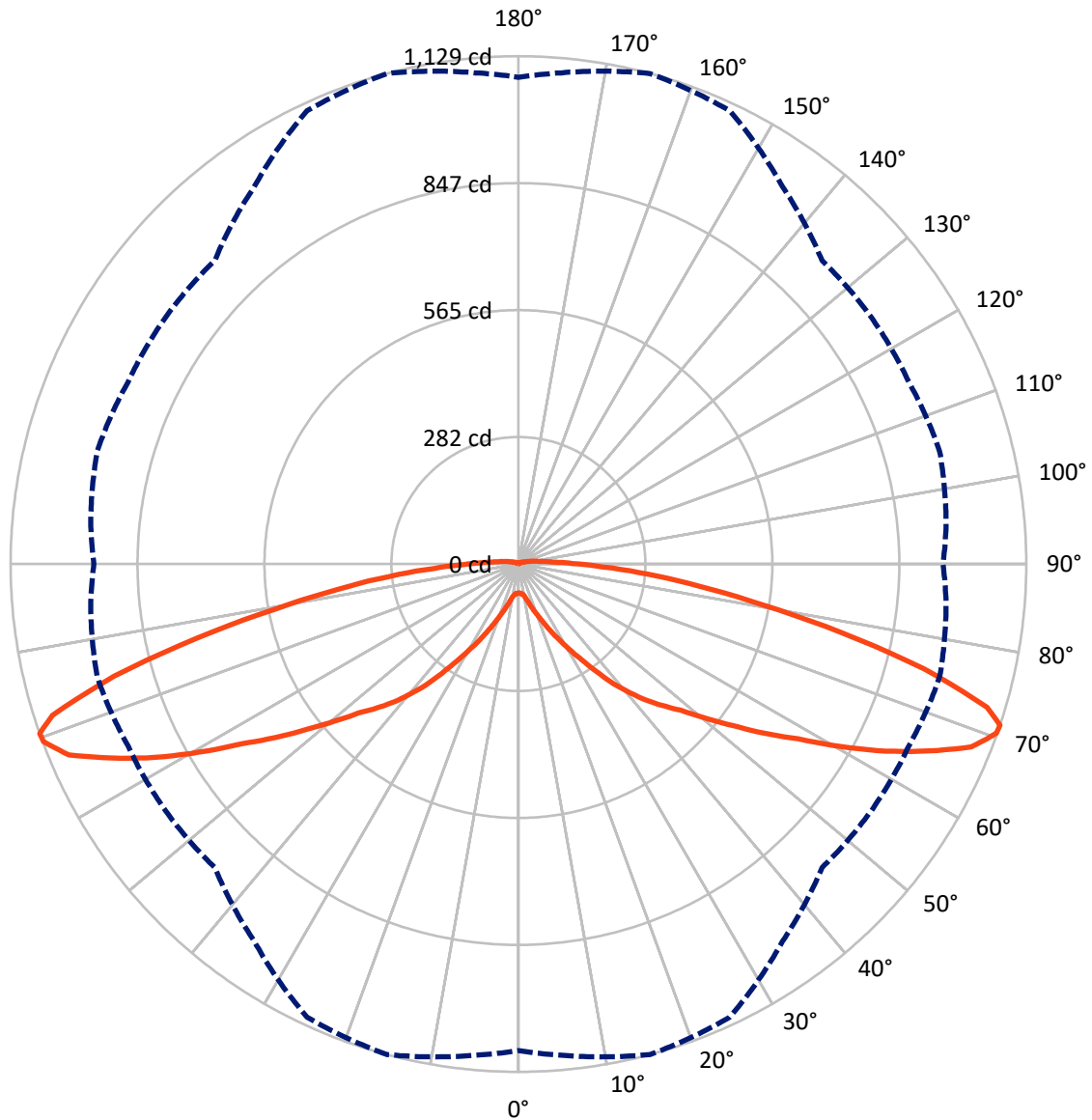
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.7 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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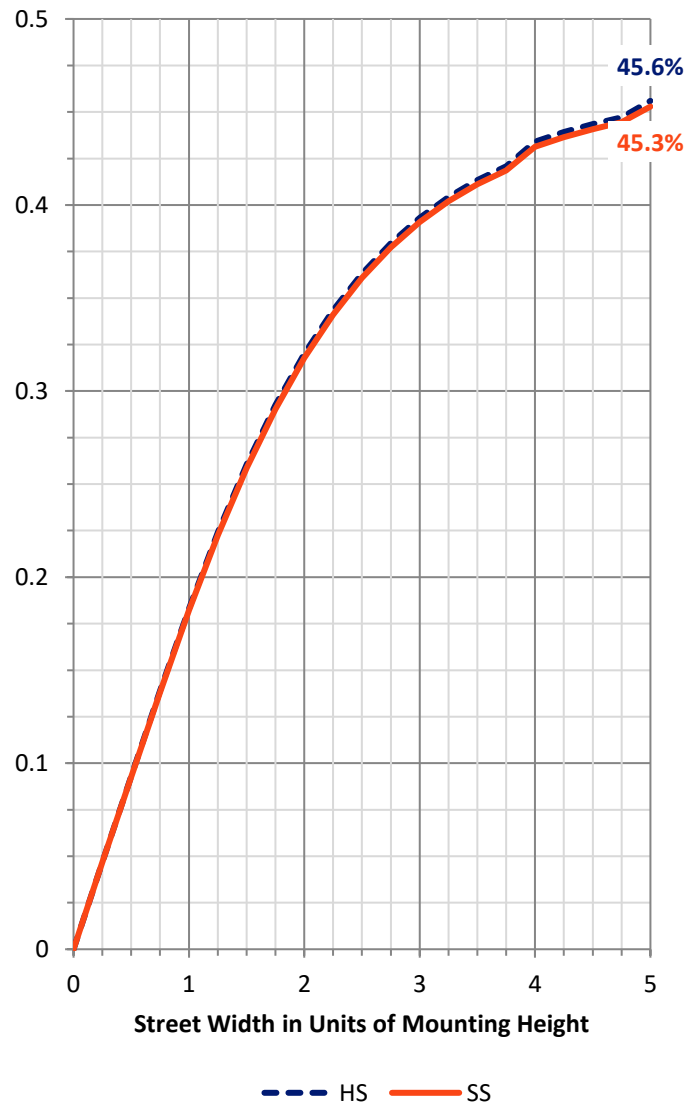
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1679.2	73.1	1752.3
	% Fixture	47.9	2.1	50.0
Street Side	Lumens	1679.2	73.1	1752.3
	% Fixture	47.9	2.1	50.0
Total	Lumens	3358.4	146.2	3504.6
	% Fixture	95.8	4.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.4	0.2
10°-20°	26.0	0.7
20°-30°	73.5	2.1
30°-40°	171.3	4.9
40°-50°	319.9	9.1
50°-60°	570.7	16.3
60°-70°	935.7	26.7
70°-80°	875.2	25.0
80°-90°	379.6	10.8
90°-100°	95.9	2.7
100°-110°	28.0	0.8
110°-120°	11.5	0.3
120°-130°	6.1	0.2
130°-140°	3.4	0.1
140°-150°	1.3	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3358.4	95.8
0°-180°	3504.6	100.0

Coefficient of Utilization



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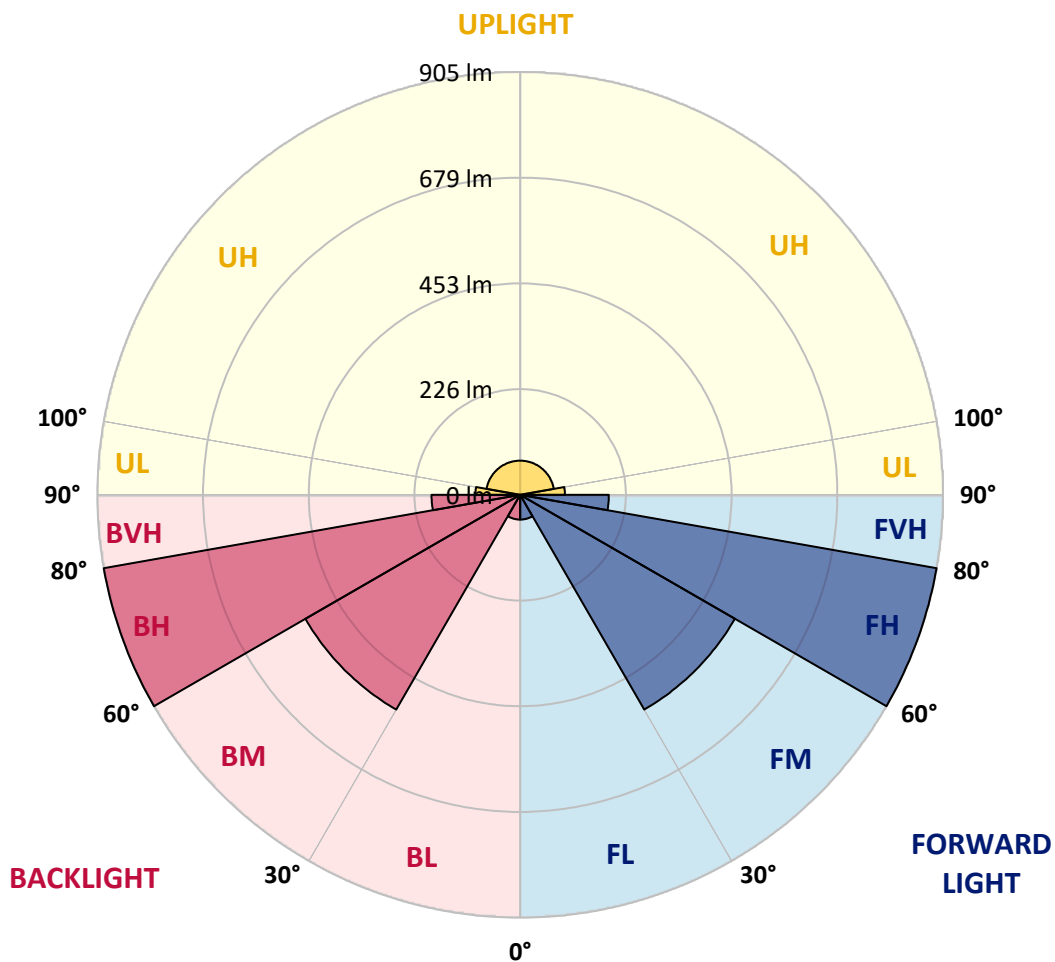
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	53.0	1.5			
FM	(30°-60°)	531.0	15.2			
FH	(60°-80°)	905.4	25.8			G1/1800
FVH	(80°-90°)	189.8	5.4			G2/225
BL	(0°-30°)	53.0	1.5	B0/110		
BM	(30°-60°)	531.0	15.2	B1/1000		
BH	(60°-80°)	905.4	25.8	B2/1000		G1/1800
BVH	(80°-90°)	189.8	5.4			G2/225
UL	(90°-100°)	95.9	2.7		U3/500	
UH	(100°-180°)	73.1	2.1		U3/500	

BUG Rating: B2-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
2.5°	65.0	65.0	65.0	65.4	65.4	65.4	65.0	65.0	64.5	64.5	64.5
5°	66.2	66.2	66.2	66.2	66.2	66.2	65.8	65.8	65.4	65.4	65.4
7.5°	68.1	68.1	68.1	68.1	68.1	67.7	67.3	66.9	66.9	66.9	66.9
10°	72.5	72.5	72.1	71.7	71.3	70.5	70.5	70.1	70.1	70.1	70.5
12.5°	81.6	81.6	80.4	78.5	76.0	75.3	74.9	75.7	76.8	77.2	78.1
15°	93.5	93.5	91.9	88.7	85.2	82.0	82.8	85.2	87.2	88.4	89.1
17.5°	108.1	108.1	105.8	101.4	96.3	94.3	93.9	97.1	100.2	102.6	104.1
20°	124.4	124.4	121.2	115.3	110.1	108.9	108.5	110.9	115.7	119.3	120.8
22.5°	144.2	144.5	139.8	131.9	126.7	124.4	124.0	127.2	134.7	139.8	141.8
25°	168.8	168.8	163.6	152.5	145.4	141.4	142.2	148.1	158.9	165.9	167.2
27.5°	196.1	195.3	188.5	176.7	166.3	160.4	162.4	171.5	184.5	195.3	196.9
30°	226.6	225.8	216.3	203.6	188.9	181.8	184.9	198.0	215.8	231.0	232.9
32.5°	261.9	261.1	249.2	232.9	213.5	204.0	209.9	228.5	250.3	269.8	272.5
35°	304.2	303.4	287.6	265.0	241.2	229.8	237.6	260.2	286.0	309.3	312.9
37.5°	348.6	348.6	331.9	303.0	271.7	257.5	266.2	292.0	322.4	345.5	349.3
40°	389.0	389.0	372.4	344.2	306.2	287.1	296.2	322.8	350.2	370.7	374.7
42.5°	426.3	427.4	411.9	383.1	342.3	320.5	326.0	349.3	377.5	400.5	404.5
45°	455.9	458.3	448.8	421.5	380.6	355.0	356.9	383.4	416.8	440.9	445.6
47.5°	491.9	492.3	485.6	459.9	421.5	393.3	395.0	426.3	462.7	487.6	490.0
50°	543.1	544.3	538.3	509.0	468.6	436.9	444.9	477.3	522.5	549.0	549.8
52.5°	599.8	600.9	596.6	569.6	523.2	492.8	505.0	542.7	587.5	609.6	608.9
55°	659.1	662.0	664.3	639.3	590.2	558.9	575.5	614.8	656.3	678.1	675.8
57.5°	725.3	727.3	733.6	711.5	667.5	637.0	658.0	697.1	739.6	760.6	757.0
60°	816.0	819.2	824.3	793.8	748.3	724.1	747.1	788.7	831.9	844.5	839.7
62.5°	898.4	901.9	916.3	893.2	833.8	808.4	839.0	879.0	915.0	921.0	913.1
65°	978.8	982.7	1002.2	982.3	923.3	887.3	919.4	952.3	985.9	990.3	982.3
67.5°	1052.1	1062.7	1086.2	1058.9	992.3	951.0	969.2	995.8	1025.5	1020.4	1010.5
70°	1089.7	1103.6	1127.4	1108.4	1025.9	963.7	973.6	981.6	995.8	988.7	980.0
71°	1082.2	1096.4	1129.3	1111.9	1024.0	954.6	957.4	957.8	969.7	954.6	944.0
72.5°	1028.3	1043.4	1089.7	1092.1	1004.1	928.5	916.3	906.3	900.0	873.1	864.7
75°	860.7	880.6	932.4	962.2	913.1	839.3	818.0	784.7	766.5	735.6	733.6
77.5°	669.8	682.9	733.6	778.8	765.3	717.8	693.6	661.1	642.1	618.0	603.6
80°	499.1	503.5	549.4	600.5	615.9	597.0	579.1	549.8	527.2	503.9	491.6
82.5°	355.0	363.2	404.8	460.3	496.7	497.6	484.9	451.9	426.6	402.0	392.5
85°	240.1	248.4	288.8	347.4	394.6	414.7	402.0	358.9	320.9	292.4	286.4
87.5°	150.5	158.5	187.7	240.1	302.3	333.2	318.4	265.0	221.8	195.7	190.6
90°	98.6	103.4	120.8	154.9	208.4	251.1	234.5	184.5	147.7	124.4	122.0
92.5°	68.1	69.8	80.4	100.2	138.6	173.1	160.8	124.4	97.1	80.4	78.1
95°	48.7	50.3	57.1	68.9	92.7	113.6	107.0	84.4	66.2	54.6	53.1
97.5°	36.0	37.2	43.2	51.1	65.4	76.4	71.7	59.8	48.3	39.6	38.5
100°	28.1	28.5	33.7	39.6	48.7	54.6	51.1	44.8	37.2	30.9	30.1
102.5°	22.2	22.6	26.5	31.3	37.6	41.9	39.2	34.5	28.9	24.6	24.1
105°	17.4	17.8	20.6	25.0	30.1	32.8	30.9	26.9	22.2	19.0	19.0
107.5°	13.9	14.2	16.3	19.8	24.1	26.5	25.0	21.0	17.4	15.0	15.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	11.5	11.5	13.1	15.9	19.8	21.8	20.2	16.7	13.9	12.3	11.9
112.5°	9.5	9.5	10.7	13.1	16.3	17.8	16.7	13.5	11.0	9.9	9.9
115°	7.9	8.3	8.7	11.0	13.9	15.0	13.9	11.5	9.1	8.3	8.3
117.5°	7.2	7.2	7.9	9.5	11.9	13.1	11.9	9.9	7.9	7.6	7.6
120°	6.3	6.3	6.8	7.9	10.3	11.0	10.3	8.3	7.2	6.8	6.8
122.5°	5.9	5.9	5.9	7.2	8.7	9.9	9.1	7.6	6.3	5.9	5.9
125°	5.5	5.5	5.5	6.3	7.9	8.3	7.9	6.8	5.5	5.5	5.5
127.5°	5.5	5.5	5.5	5.9	6.8	7.6	7.2	5.9	5.1	5.1	5.1
130°	5.1	5.1	5.1	5.5	5.9	6.3	5.9	5.5	5.1	5.1	5.1
132.5°	4.7	4.7	4.7	4.7	5.1	5.5	5.1	4.7	4.7	4.7	4.7
135°	4.4	4.4	4.4	4.0	4.4	4.7	4.4	4.0	4.0	4.4	4.4
137.5°	4.0	4.0	3.6	3.6	3.6	4.0	3.6	3.6	3.6	3.6	4.0
140°	3.6	3.6	3.2	3.2	3.2	3.2	2.8	2.8	2.8	3.2	3.2
142.5°	3.2	2.8	2.8	2.4	2.4	2.4	2.4	1.9	2.4	2.8	2.8
145°	2.4	2.4	2.4	1.9	1.9	1.9	1.5	1.5	1.9	1.9	1.9
147.5°	1.9	1.9	1.5	1.5	1.2	1.2	1.2	1.2	1.5	1.5	1.5
150°	1.5	1.5	1.2	1.2	0.8	0.8	0.8	0.8	1.2	1.2	1.2
152.5°	1.2	1.2	0.8	0.8	0.8	0.4	0.4	0.4	0.8	0.8	0.8
155°	0.8	0.8	0.4	0.4	0.4	0.0	0.4	0.4	0.4	0.4	0.4
157.5°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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)