

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: P695064

Luminaire Tested: **LXF.LXT-PA16-40-730-U-5WQ-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695064
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-730-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4433 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

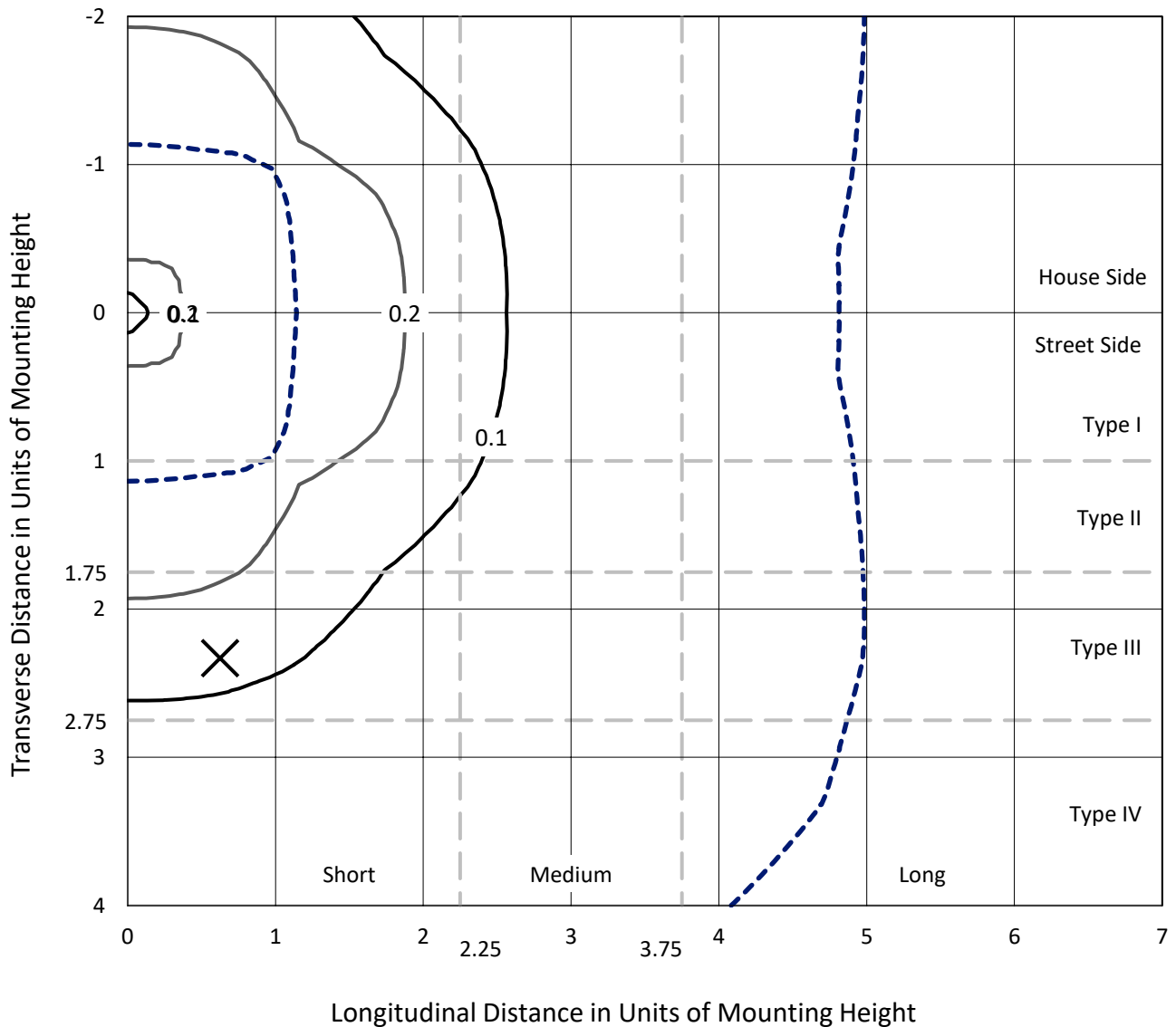
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

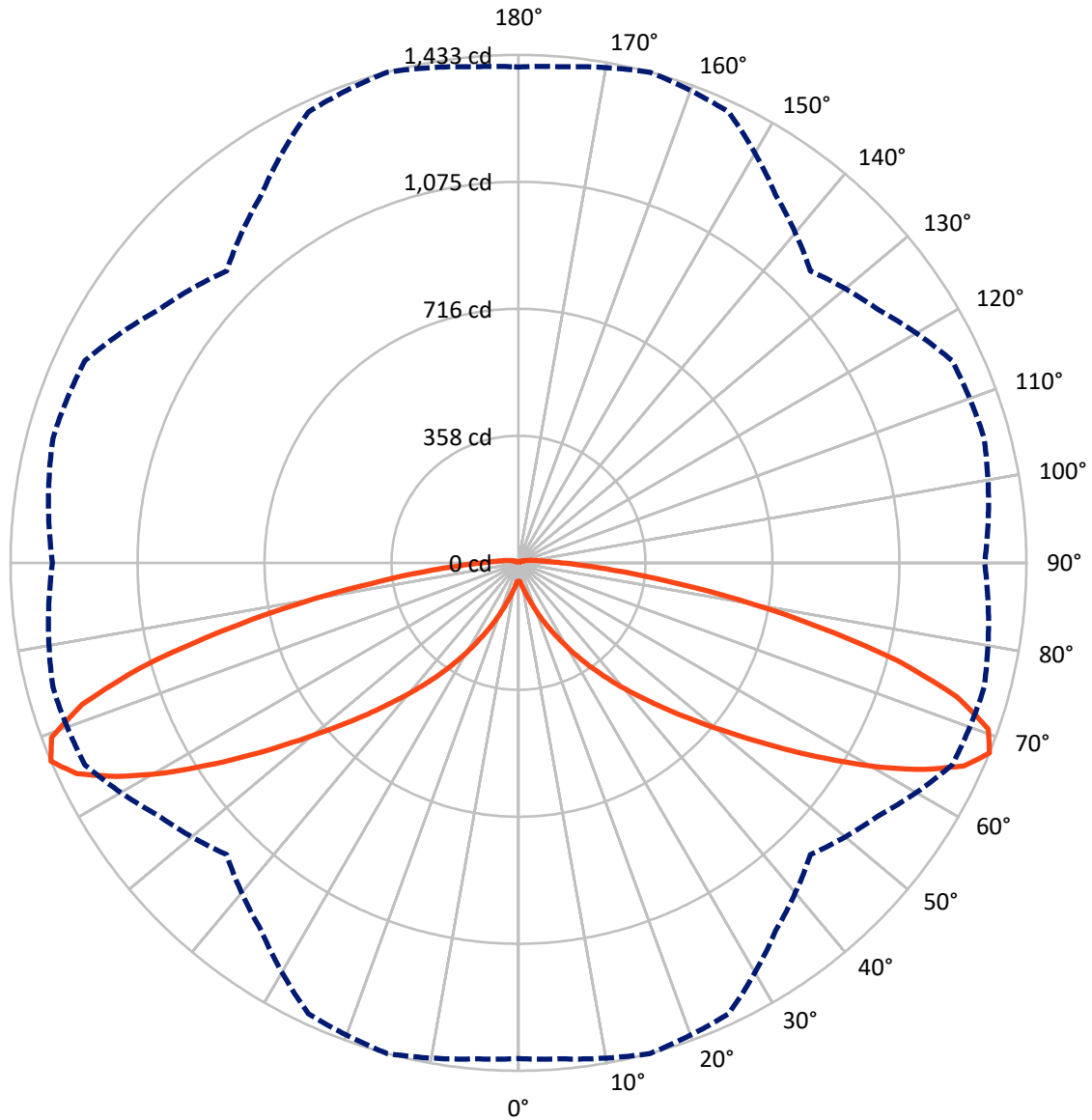
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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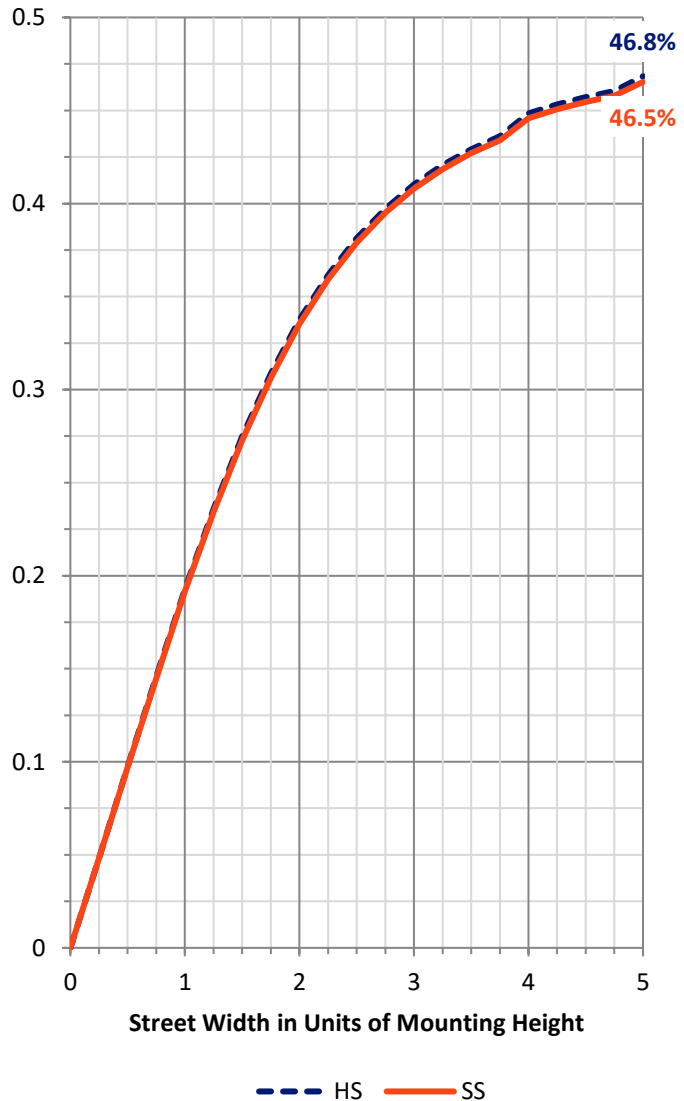
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2145.3	71.3	2216.5
	% Fixture	48.4	1.6	50.0
Street Side	Lumens	2145.3	71.3	2216.5
	% Fixture	48.4	1.6	50.0
Total	Lumens	4290.5	142.5	4433.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.9	0.1
10°-20°	30.1	0.7
20°-30°	94.4	2.1
30°-40°	221.9	5.0
40°-50°	432.7	9.8
50°-60°	791.7	17.9
60°-70°	1244.0	28.1
70°-80°	1096.8	24.7
80°-90°	373.1	8.4
90°-100°	83.6	1.9
100°-110°	32.0	0.7
110°-120°	14.1	0.3
120°-130°	7.1	0.2
130°-140°	3.9	0.1
140°-150°	1.8	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4290.5	96.8
0°-180°	4433.0	100.0

Coefficient of Utilization



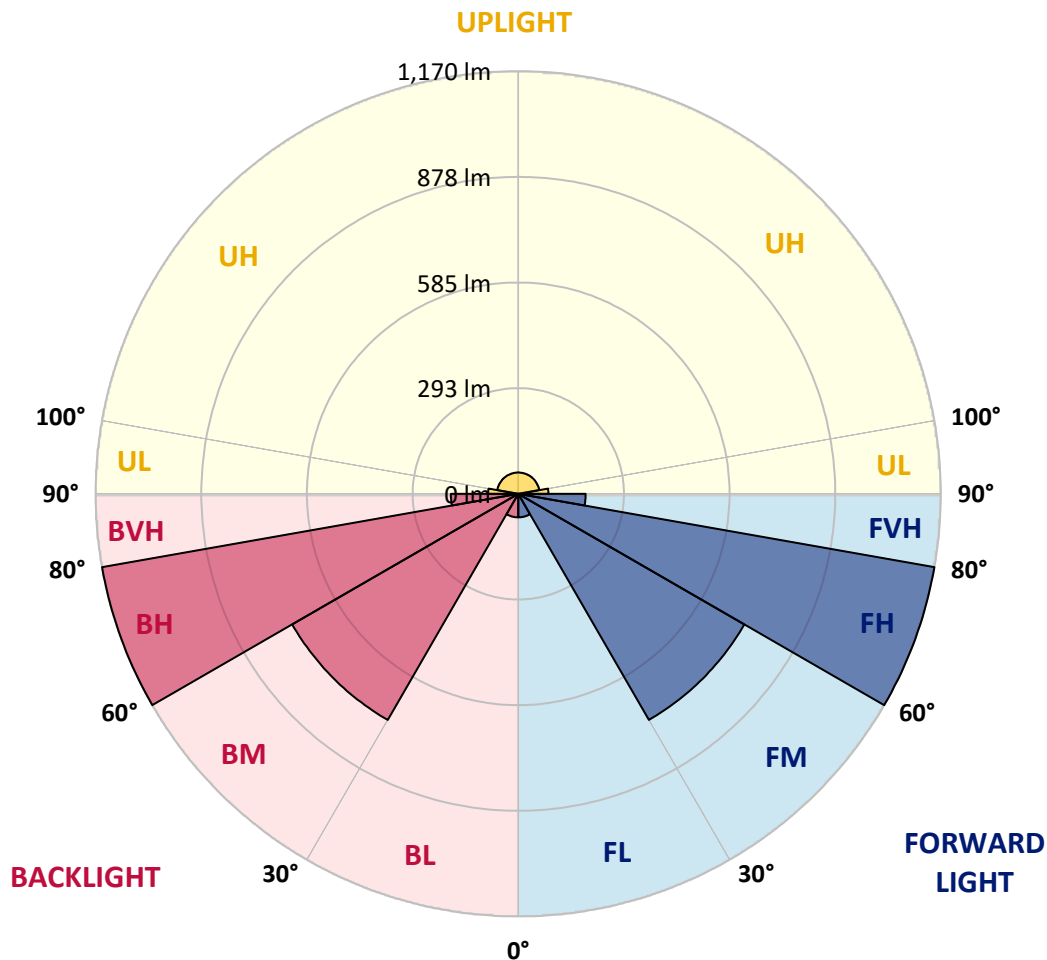
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	65.2	1.5			
FM (30°-60°)	723.1	16.3			
FH (60°-80°)	1170.4	26.4			G1/1800
FVH (80°-90°)	186.5	4.2			G2/225
BL (0°-30°)	65.2	1.5	B0/110		
BM (30°-60°)	723.1	16.3	B1/1000		
BH (60°-80°)	1170.4	26.4	B3/2500		G1/1800
BVH (80°-90°)	186.5	4.2			G2/225
UL (90°-100°)	83.6	1.9		U3/500	
UH (100°-180°)	59.0	1.3		U3/500	

BUG Rating: B3-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
2.5°	52.2	52.2	52.2	52.2	53.7	53.7	53.7	52.2	52.2	52.2	52.2
5°	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	55.2
7.5°	62.7	62.7	62.7	62.7	62.7	64.2	62.7	62.7	62.7	62.7	62.7
10°	73.1	73.1	73.1	73.1	71.6	71.6	71.6	71.6	70.1	71.6	70.1
12.5°	86.6	86.6	86.6	85.1	83.6	83.6	83.6	82.1	83.6	83.6	83.6
15°	104.5	104.5	103.0	101.5	98.5	97.0	98.5	98.5	98.5	100.0	100.0
17.5°	123.9	125.4	122.4	119.4	116.4	116.4	114.9	116.4	119.4	120.9	120.9
20°	152.2	150.7	146.3	141.8	137.3	135.8	135.8	140.3	143.3	144.8	146.3
22.5°	180.6	180.6	176.1	167.2	161.2	158.2	159.7	164.2	171.6	177.6	177.6
25°	216.4	213.4	207.4	195.5	186.6	183.6	185.1	192.5	204.5	208.9	211.9
27.5°	252.2	250.7	241.8	228.3	214.9	208.9	213.4	226.8	240.3	249.2	252.2
30°	294.0	292.5	282.1	264.2	246.3	237.3	244.8	261.2	282.1	292.5	295.5
32.5°	340.3	338.8	325.3	301.5	277.6	268.6	277.6	301.5	325.3	338.8	340.3
35°	389.5	385.0	370.1	343.3	311.9	300.0	311.9	343.3	371.6	389.5	391.0
37.5°	438.8	435.8	419.4	388.0	350.7	335.8	349.2	389.5	420.9	441.8	437.3
40°	489.5	488.0	471.6	434.3	392.5	373.1	394.0	434.3	473.1	495.5	497.0
42.5°	547.7	547.7	526.8	488.0	437.3	414.9	437.3	489.5	532.8	550.7	552.2
45°	611.9	607.4	591.0	549.2	491.0	464.1	491.0	549.2	592.5	613.4	611.9
47.5°	679.1	676.1	661.1	619.4	550.7	522.3	549.2	616.4	661.1	676.1	676.1
50°	756.7	753.7	740.2	697.0	622.3	588.0	623.8	691.0	740.2	753.7	749.2
52.5°	846.2	837.3	831.3	789.5	708.9	664.1	702.9	783.5	828.3	831.3	831.3
55°	934.3	940.2	935.8	891.0	801.4	747.7	795.5	883.5	923.8	929.8	922.3
57.5°	1046.2	1052.2	1049.2	1002.9	905.9	841.7	895.5	992.5	1026.8	1025.3	1023.8
60°	1170.1	1173.0	1170.1	1129.8	1022.3	941.7	1005.9	1107.4	1140.2	1131.3	1123.8
62.5°	1279.0	1282.0	1283.5	1253.6	1125.3	1035.7	1101.4	1216.3	1241.7	1226.8	1222.3
65°	1367.1	1365.6	1380.5	1349.2	1213.3	1113.4	1188.0	1308.9	1323.8	1299.9	1292.4
67.5°	1398.4	1404.4	1432.7	1402.9	1265.6	1164.1	1241.7	1349.2	1359.6	1329.8	1314.8
70°	1358.1	1371.5	1405.9	1390.9	1265.6	1171.6	1243.2	1337.2	1332.7	1295.4	1280.5
72.5°	1247.7	1250.7	1293.9	1301.4	1208.9	1131.3	1186.5	1253.6	1231.3	1180.5	1176.0
75°	1052.2	1052.2	1105.9	1138.7	1088.0	1025.3	1068.6	1098.4	1064.1	1004.4	996.9
77.5°	805.9	814.9	859.6	931.3	919.3	889.5	908.9	914.9	843.2	780.5	782.0
80°	567.1	579.1	626.8	699.9	720.8	719.3	723.8	685.0	617.9	567.1	559.7
82.5°	380.6	374.6	419.4	485.0	534.3	543.2	540.3	486.5	420.9	373.1	367.1
85°	231.3	232.8	268.6	322.4	367.1	389.5	373.1	325.3	265.7	234.3	232.8
87.5°	143.3	146.3	167.2	203.0	249.2	270.1	252.2	210.4	167.2	144.8	143.3
90°	97.0	97.0	110.4	132.8	164.2	185.1	168.6	135.8	110.4	97.0	95.5
92.5°	70.1	73.1	77.6	92.5	114.9	128.3	116.4	92.5	77.6	70.1	68.7
95°	55.2	55.2	59.7	67.2	83.6	92.5	83.6	68.7	59.7	53.7	53.7
97.5°	43.3	44.8	47.8	53.7	64.2	70.1	64.2	53.7	47.8	43.3	41.8
100°	34.3	35.8	38.8	44.8	52.2	55.2	52.2	44.8	38.8	34.3	34.3
102.5°	26.9	28.4	31.3	37.3	43.3	44.8	43.3	35.8	31.3	26.9	26.9
105°	20.9	20.9	25.4	31.3	35.8	37.3	35.8	29.8	25.4	20.9	20.9
107.5°	16.4	16.4	20.9	25.4	29.8	31.3	29.8	25.4	19.4	16.4	16.4
110°	13.4	13.4	16.4	20.9	25.4	26.9	25.4	20.9	16.4	13.4	13.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	10.4	10.4	13.4	17.9	20.9	22.4	20.9	17.9	13.4	10.4	10.4
115°	9.0	9.0	10.4	14.9	17.9	19.4	17.9	14.9	10.4	9.0	9.0
117.5°	7.5	7.5	9.0	11.9	14.9	16.4	14.9	11.9	9.0	7.5	7.5
120°	7.5	7.5	7.5	10.4	13.4	14.9	13.4	10.4	7.5	7.5	7.5
122.5°	6.0	6.0	7.5	9.0	11.9	11.9	10.4	9.0	7.5	6.0	6.0
125°	6.0	6.0	6.0	7.5	9.0	10.4	9.0	7.5	6.0	6.0	6.0
127.5°	6.0	6.0	6.0	6.0	9.0	9.0	9.0	6.0	6.0	6.0	6.0
130°	4.5	4.5	4.5	6.0	7.5	7.5	7.5	6.0	6.0	4.5	6.0
132.5°	4.5	4.5	4.5	6.0	6.0	7.5	6.0	6.0	4.5	4.5	4.5
135°	4.5	4.5	4.5	4.5	6.0	6.0	6.0	4.5	4.5	4.5	4.5
137.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
140°	3.0	3.0	3.0	3.0	4.5	4.5	4.5	3.0	3.0	4.5	3.0
142.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
145°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
147.5°	1.5	3.0	1.5	1.5	1.5	3.0	3.0	3.0	3.0	3.0	3.0
150°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	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)