

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: P695303

Luminaire Tested: **LXF.LXT-PA16-50-727-U-5WQ-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695303
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-4)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-727-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5031 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Medium
BUG Rating: B3 - U3 - G3

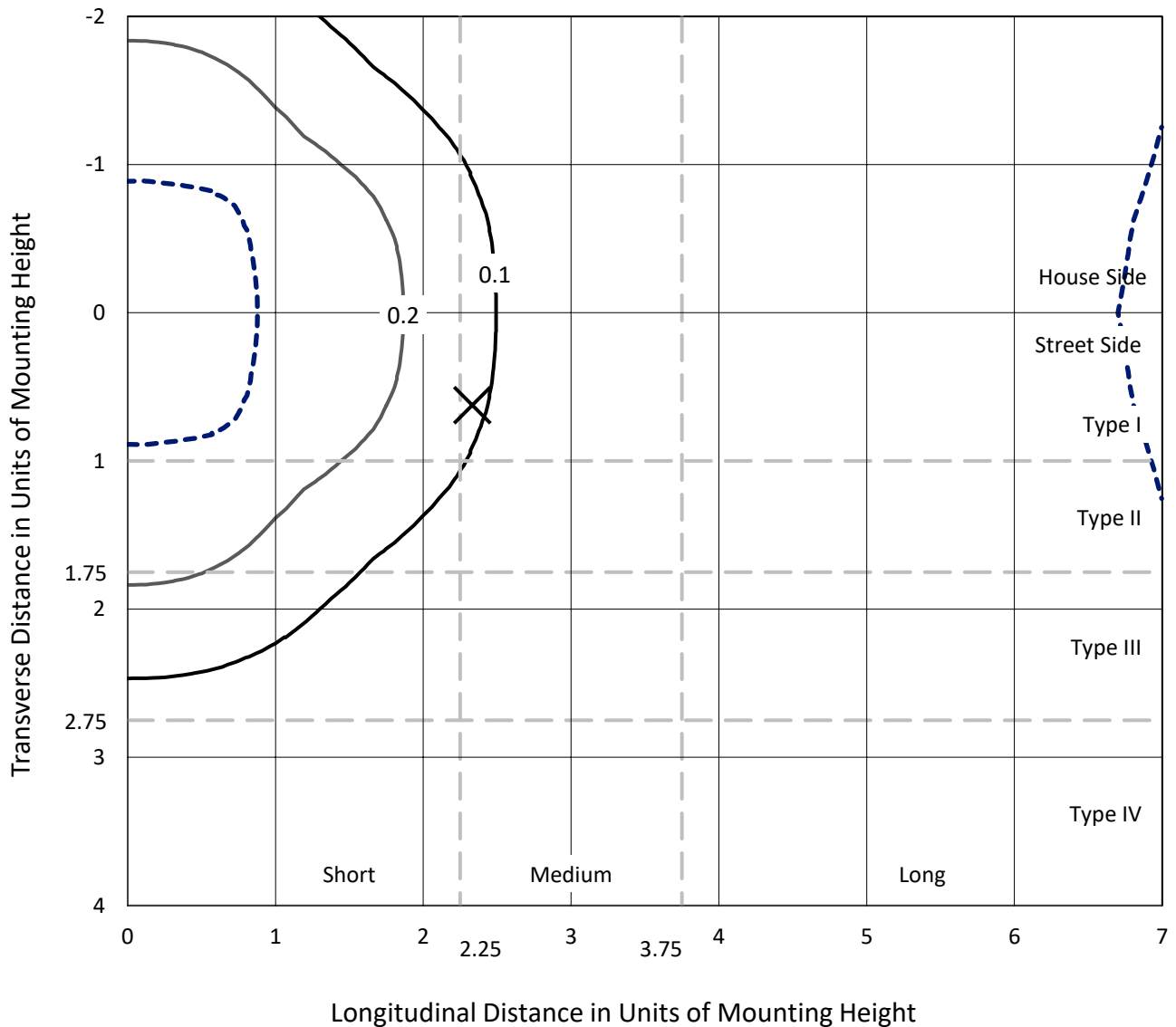
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

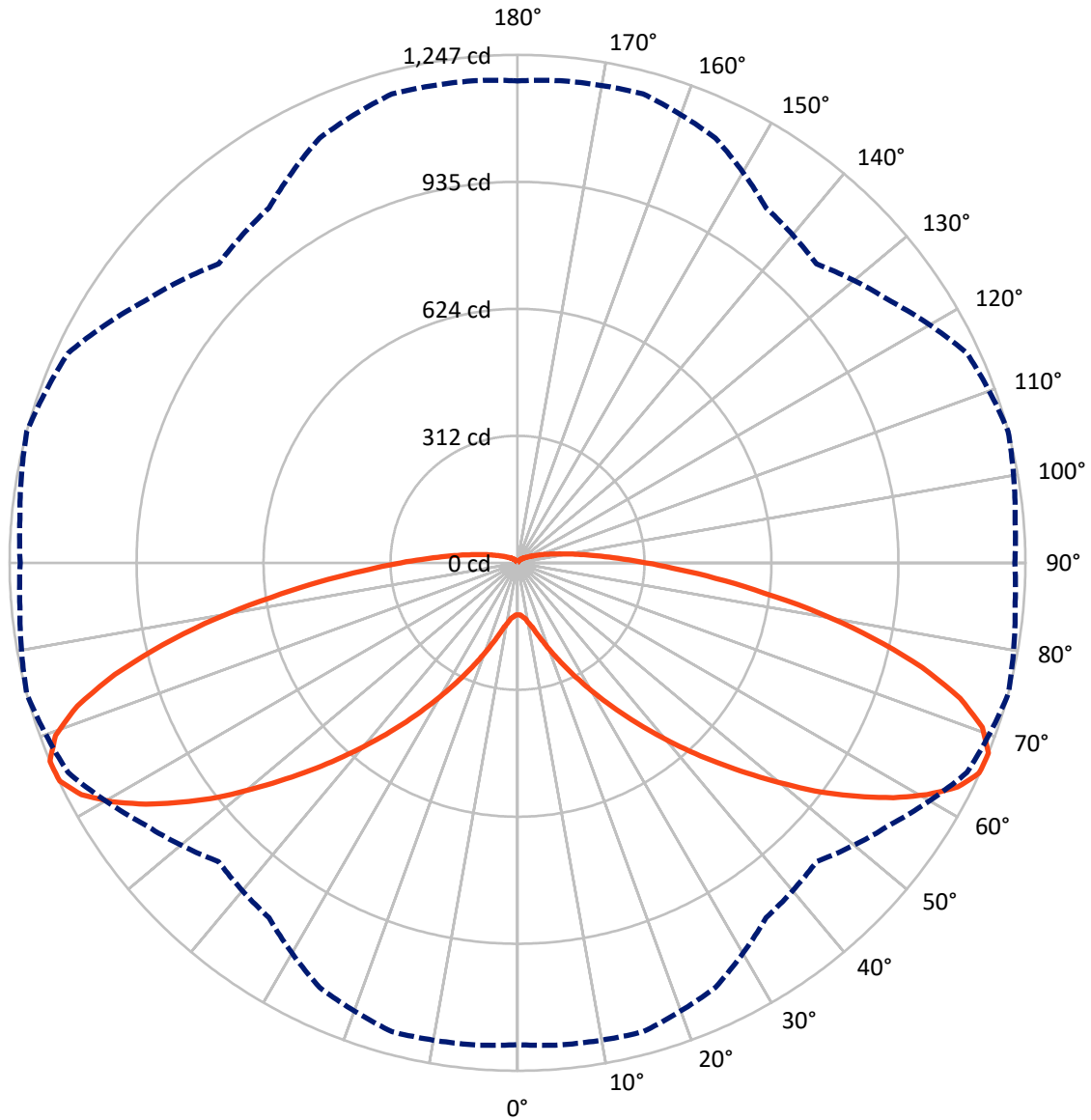
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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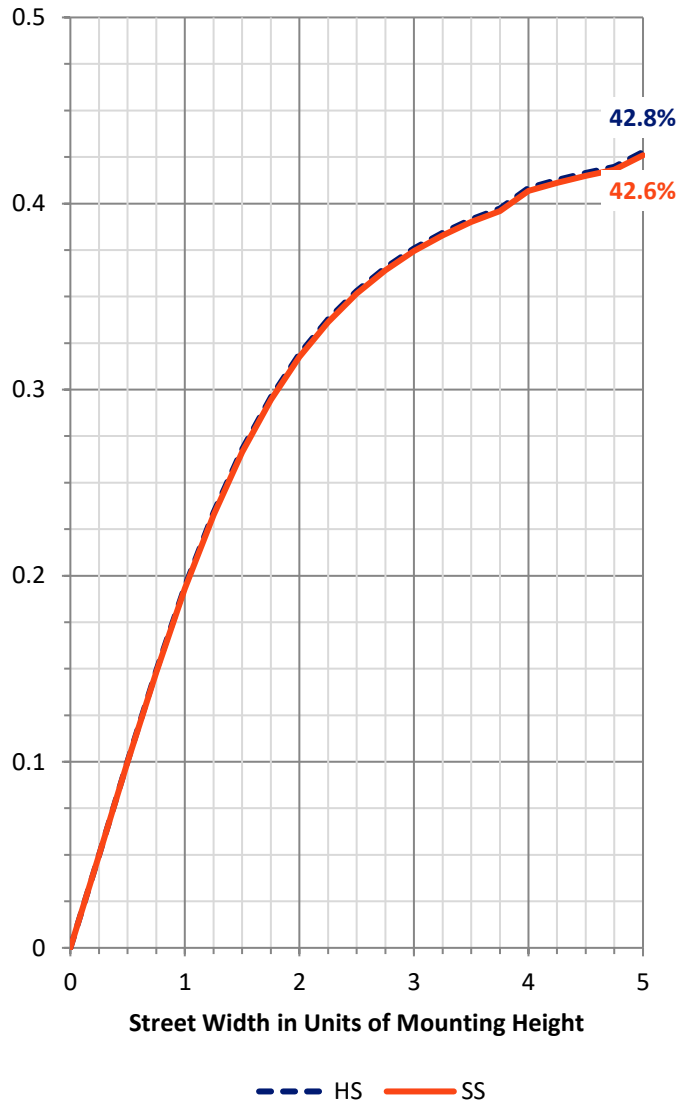
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2295.4	220.1	2515.5
	% Fixture	45.6	4.4	50.0
Street Side	Lumens	2295.4	220.1	2515.5
	% Fixture	45.6	4.4	50.0
Total	Lumens	4590.9	440.2	5031.0
	% Fixture	91.3	8.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.2	0.3
10°-20°	53.4	1.1
20°-30°	136.8	2.7
30°-40°	286.8	5.7
40°-50°	523.4	10.4
50°-60°	847.5	16.8
60°-70°	1127.7	22.4
70°-80°	1027.7	20.4
80°-90°	574.4	11.4
90°-100°	244.3	4.9
100°-110°	105.8	2.1
110°-120°	49.8	1.0
120°-130°	24.5	0.5
130°-140°	11.4	0.2
140°-150°	4.1	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4590.9	91.3
0°-180°	5031.0	100.0

Coefficient of Utilization

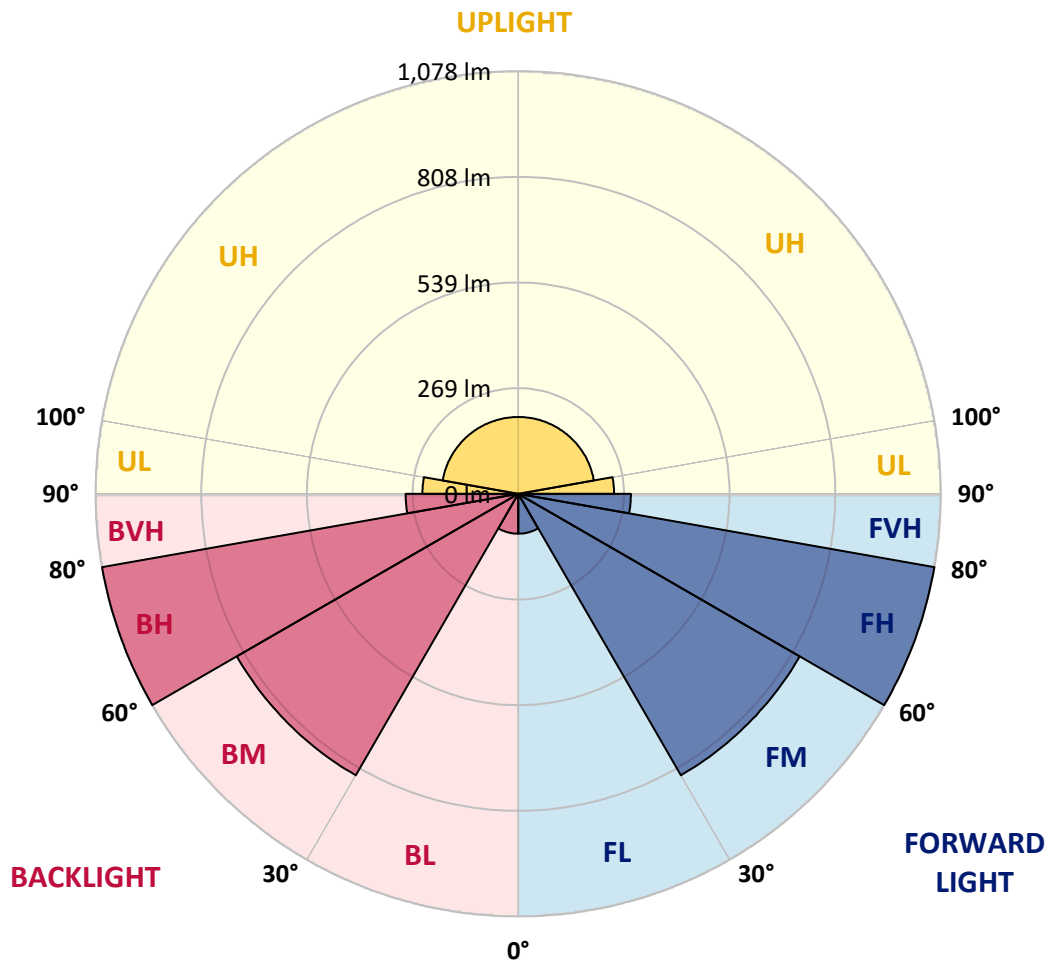


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	101.7	2.0			
FM (30°-60°)	828.9	16.5			
FH (60°-80°)	1077.7	21.4			G1/1800
FVH (80°-90°)	287.2	5.7			G3/500
BL (0°-30°)	101.7	2.0	B0/110		
BM (30°-60°)	828.9	16.5	B1/1000		
BH (60°-80°)	1077.7	21.4	B3/2500		G1/1800
BVH (80°-90°)	287.2	5.7			G3/500
UL (90°-100°)	244.3	4.9		U3/500	
UH (100°-180°)	195.8	3.9		U3/500	

BUG Rating: B3-U3-G3
 Type V Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	128.0	128.0	128.0	128.0	128.0	128.0	128.0	128.0	128.0	128.0	128.0
2.5°	128.0	128.0	128.0	128.0	128.0	129.7	129.7	128.0	128.0	128.0	128.0
5°	131.5	131.5	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.2	133.2
7.5°	138.4	138.4	138.4	140.1	140.1	140.1	140.1	138.4	138.4	138.4	140.1
10°	150.5	150.5	148.8	150.5	148.8	148.8	150.5	148.8	150.5	148.8	148.8
12.5°	164.3	164.3	164.3	164.3	162.6	162.6	162.6	162.6	162.6	164.3	164.3
15°	183.4	183.4	183.4	181.6	179.9	178.2	179.9	181.6	181.6	183.4	183.4
17.5°	207.6	207.6	205.9	204.1	202.4	200.7	200.7	202.4	204.1	205.9	205.9
20°	233.5	233.5	231.8	228.3	224.9	226.6	226.6	228.3	230.1	231.8	231.8
22.5°	262.9	261.2	259.5	256.0	254.3	252.6	254.3	254.3	259.5	262.9	261.2
25°	295.8	295.8	292.3	287.2	283.7	283.7	285.4	287.2	292.3	295.8	297.5
27.5°	333.9	330.4	326.9	321.8	316.6	314.8	316.6	323.5	328.7	335.6	333.9
30°	375.4	373.7	366.7	359.8	351.2	347.7	354.6	361.5	370.2	375.4	378.8
32.5°	420.4	420.4	411.7	399.6	389.2	385.8	391.0	404.8	415.2	422.1	427.3
35°	468.8	468.8	458.4	444.6	430.7	423.8	434.2	451.5	465.3	475.7	477.4
37.5°	525.9	522.4	512.0	493.0	470.5	467.1	479.2	499.9	519.0	531.1	531.1
40°	583.0	579.5	569.1	544.9	515.5	510.3	524.1	555.3	577.8	588.2	589.9
42.5°	645.2	640.1	629.7	603.7	567.4	557.0	577.8	614.1	640.1	652.2	652.2
45°	705.8	707.5	691.9	662.5	622.8	607.2	633.1	676.4	707.5	717.9	721.4
47.5°	773.3	775.0	759.4	723.1	678.1	664.3	693.7	740.4	778.4	787.1	790.5
50°	847.6	847.6	835.5	790.5	740.4	721.4	757.7	818.2	854.6	863.2	864.9
52.5°	920.3	918.6	909.9	859.7	802.7	781.9	823.4	892.6	935.9	937.6	937.6
55°	992.9	991.2	980.8	932.4	864.9	842.4	892.6	970.5	1012.0	1015.4	1017.2
57.5°	1056.9	1056.9	1046.6	998.1	923.7	899.5	958.3	1044.8	1088.1	1088.1	1088.1
60°	1115.8	1115.8	1110.6	1058.7	979.1	953.2	1020.6	1114.0	1155.6	1150.4	1150.4
62.5°	1160.7	1162.5	1159.0	1107.1	1022.4	998.1	1072.5	1171.1	1212.6	1202.3	1197.1
65°	1186.7	1188.4	1190.1	1141.7	1055.2	1029.3	1107.1	1210.9	1245.5	1229.9	1224.7
67.5°	1183.2	1188.4	1191.9	1150.4	1063.9	1037.9	1119.2	1217.8	1247.2	1226.5	1221.3
70°	1150.4	1157.3	1164.2	1129.6	1050.0	1025.8	1103.7	1195.3	1210.9	1186.7	1178.0
72.5°	1086.4	1088.1	1105.4	1081.2	1012.0	987.8	1055.2	1133.1	1136.5	1107.1	1096.7
75°	991.2	991.2	1013.7	996.4	944.5	923.7	979.1	1036.2	1025.8	994.7	982.6
77.5°	870.1	878.8	897.8	896.1	854.6	844.2	884.0	909.9	894.3	854.6	842.4
80°	735.2	742.1	769.8	776.7	752.5	742.1	769.8	778.4	754.2	714.4	704.1
82.5°	610.6	617.6	643.5	662.5	647.0	638.3	652.2	645.2	610.6	576.0	569.1
85°	496.5	498.2	529.3	543.2	543.2	536.3	538.0	519.0	487.8	451.5	441.1
87.5°	396.1	396.1	423.8	444.6	449.8	444.6	439.4	415.2	380.6	351.2	349.4
90°	313.1	314.8	337.3	358.1	366.7	363.3	351.2	326.9	299.3	273.3	269.9
92.5°	249.1	252.6	269.9	290.6	301.0	299.3	285.4	262.9	235.3	214.5	212.8
95°	200.7	200.7	216.2	233.5	245.6	245.6	233.5	211.0	186.8	167.8	166.1
97.5°	159.1	160.9	174.7	190.3	200.7	200.7	190.3	171.3	148.8	133.2	129.7
100°	129.7	129.7	140.1	155.7	166.1	166.1	155.7	138.4	119.4	105.5	103.8
102.5°	103.8	105.5	114.2	128.0	136.7	138.4	129.7	115.9	96.9	84.8	84.8
105°	86.5	86.5	95.1	105.5	114.2	115.9	109.0	95.1	79.6	69.2	67.5
107.5°	70.9	70.9	77.8	90.0	96.9	98.6	91.7	79.6	65.7	57.1	55.4
110°	60.5	58.8	64.0	74.4	83.0	83.0	77.8	67.5	53.6	46.7	46.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	50.2	50.2	53.6	62.3	69.2	72.7	67.5	57.1	45.0	39.8	39.8
115°	43.2	43.2	46.7	53.6	60.5	60.5	57.1	46.7	38.1	34.6	34.6
117.5°	38.1	38.1	39.8	45.0	50.2	51.9	48.4	39.8	32.9	29.4	29.4
120°	32.9	32.9	34.6	38.1	43.2	45.0	41.5	34.6	27.7	25.9	25.9
122.5°	29.4	29.4	29.4	32.9	38.1	38.1	34.6	29.4	24.2	22.5	22.5
125°	25.9	25.9	25.9	27.7	31.1	32.9	29.4	24.2	20.8	20.8	20.8
127.5°	22.5	22.5	22.5	24.2	27.7	27.7	25.9	20.8	19.0	19.0	19.0
130°	20.8	20.8	20.8	20.8	22.5	22.5	20.8	17.3	17.3	17.3	17.3
132.5°	17.3	17.3	17.3	17.3	19.0	19.0	17.3	15.6	13.8	15.6	15.6
135°	15.6	15.6	15.6	15.6	15.6	15.6	13.8	12.1	12.1	13.8	13.8
137.5°	13.8	13.8	13.8	12.1	12.1	12.1	10.4	10.4	12.1	12.1	12.1
140°	12.1	12.1	10.4	10.4	10.4	8.6	8.6	8.6	10.4	10.4	10.4
142.5°	10.4	10.4	8.6	8.6	6.9	6.9	6.9	6.9	8.6	8.6	8.6
145°	6.9	6.9	6.9	6.9	5.2	5.2	5.2	5.2	6.9	6.9	6.9
147.5°	5.2	5.2	5.2	5.2	3.5	3.5	3.5	5.2	5.2	5.2	5.2
150°	3.5	3.5	3.5	3.5	3.5	1.7	3.5	3.5	3.5	3.5	3.5
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)