

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: P415228

Luminaire Tested: **LXF.LXT-PA1-40-827-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415228
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-827-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 500mA 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: 3692.9 lumens
Efficiency: N/A
Efficacy: 92.3 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): 40
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

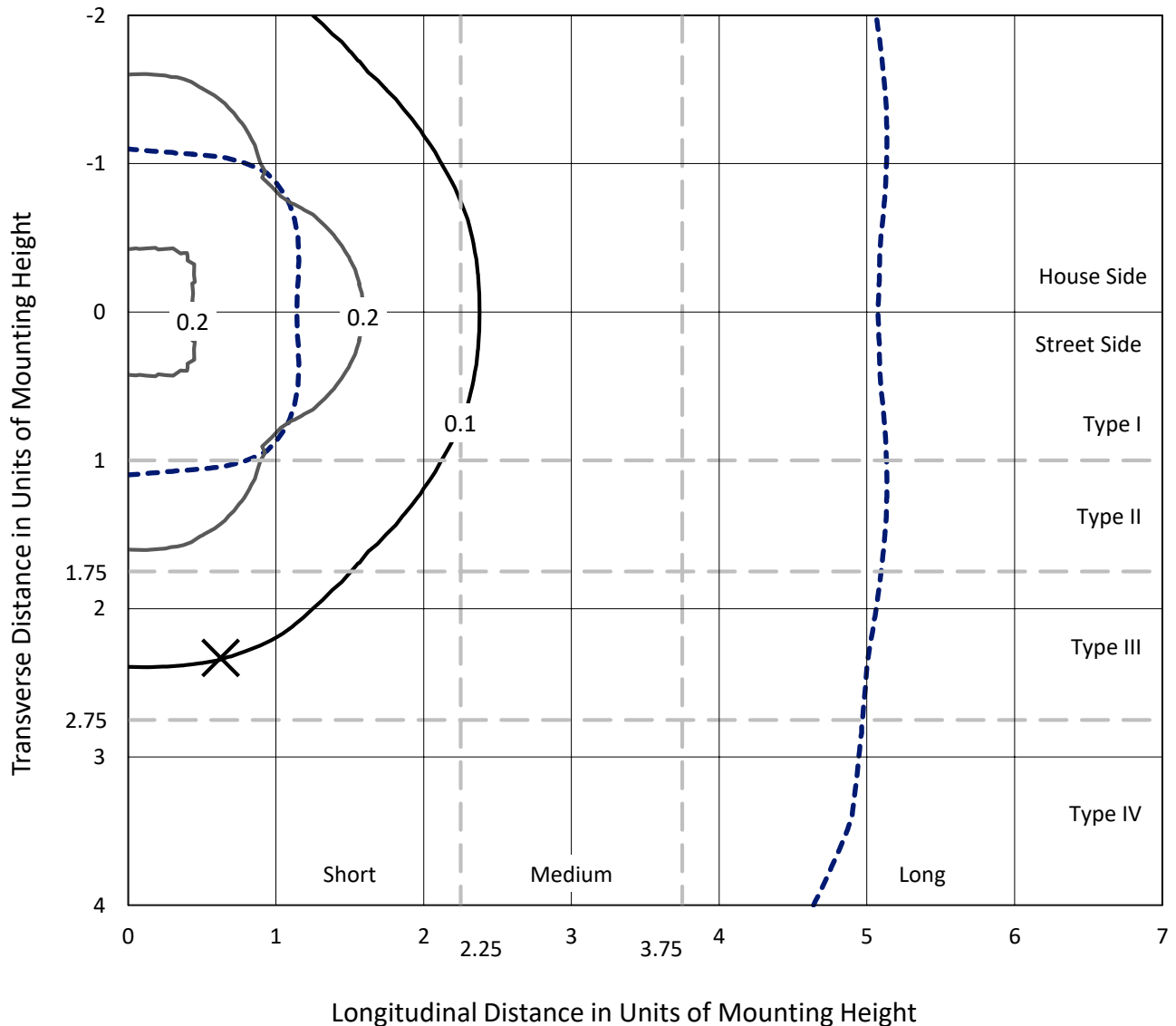


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

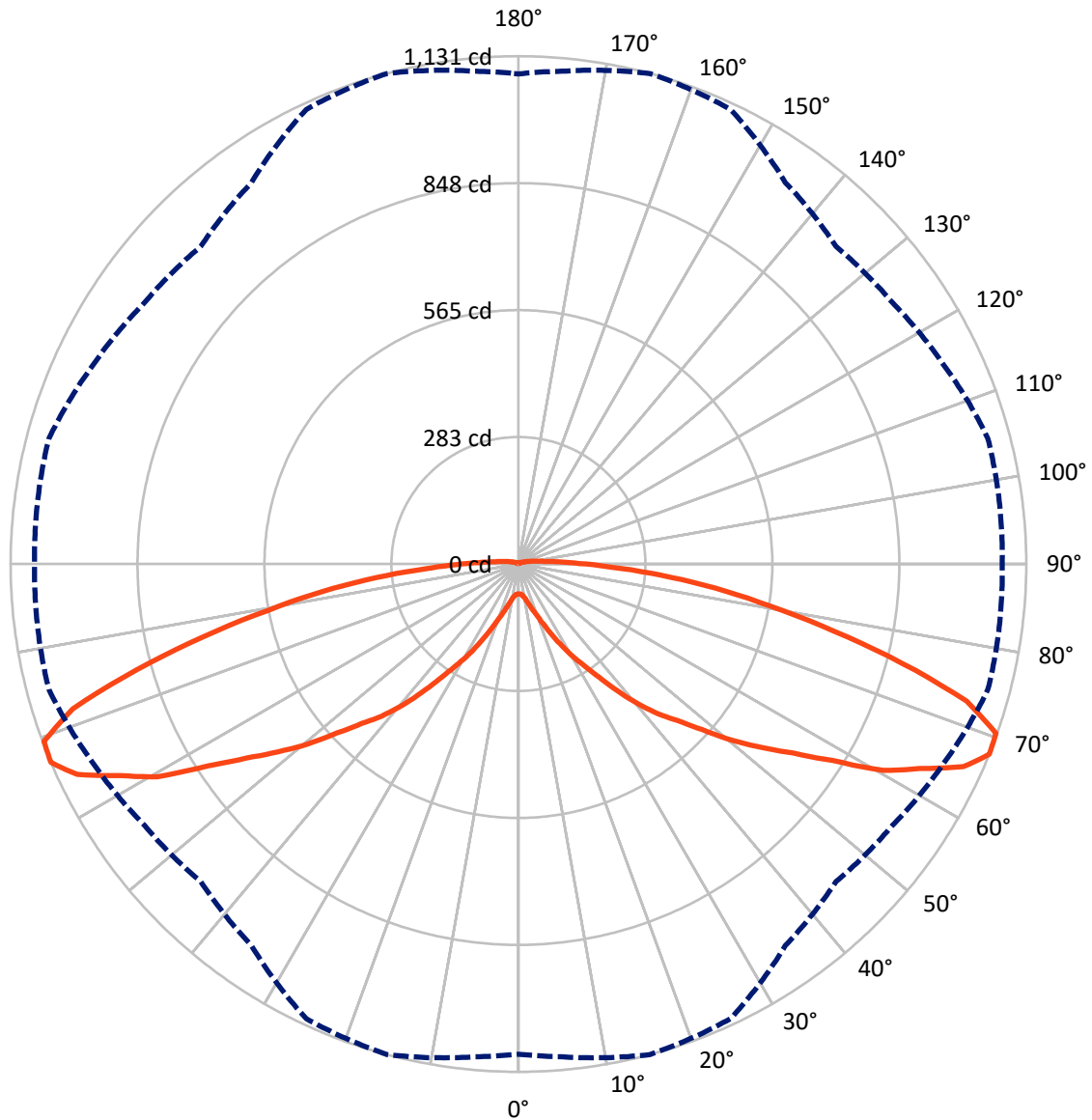


Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type V - Short - Non-Cutoff

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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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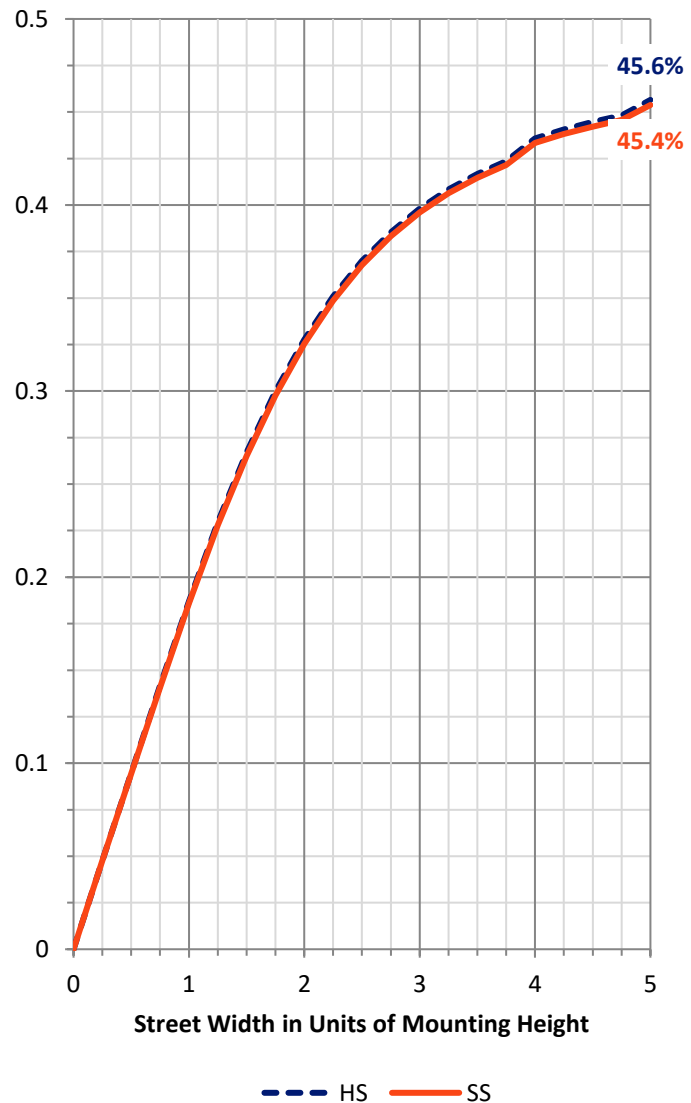
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1773.6	72.8	1846.5
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	1773.6	72.8	1846.5
	% Fixture	48.0	2.0	50.0
Total	Lumens	3547.2	145.7	3692.9
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.7	0.2
10°-20°	27.6	0.7
20°-30°	79.5	2.2
30°-40°	187.2	5.1
40°-50°	352.9	9.6
50°-60°	629.5	17.0
60°-70°	995.1	26.9
70°-80°	876.8	23.7
80°-90°	391.9	10.6
90°-100°	97.3	2.6
100°-110°	26.8	0.7
110°-120°	10.8	0.3
120°-130°	5.7	0.2
130°-140°	3.3	0.1
140°-150°	1.4	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3547.2	96.1
0°-180°	3692.9	100.0



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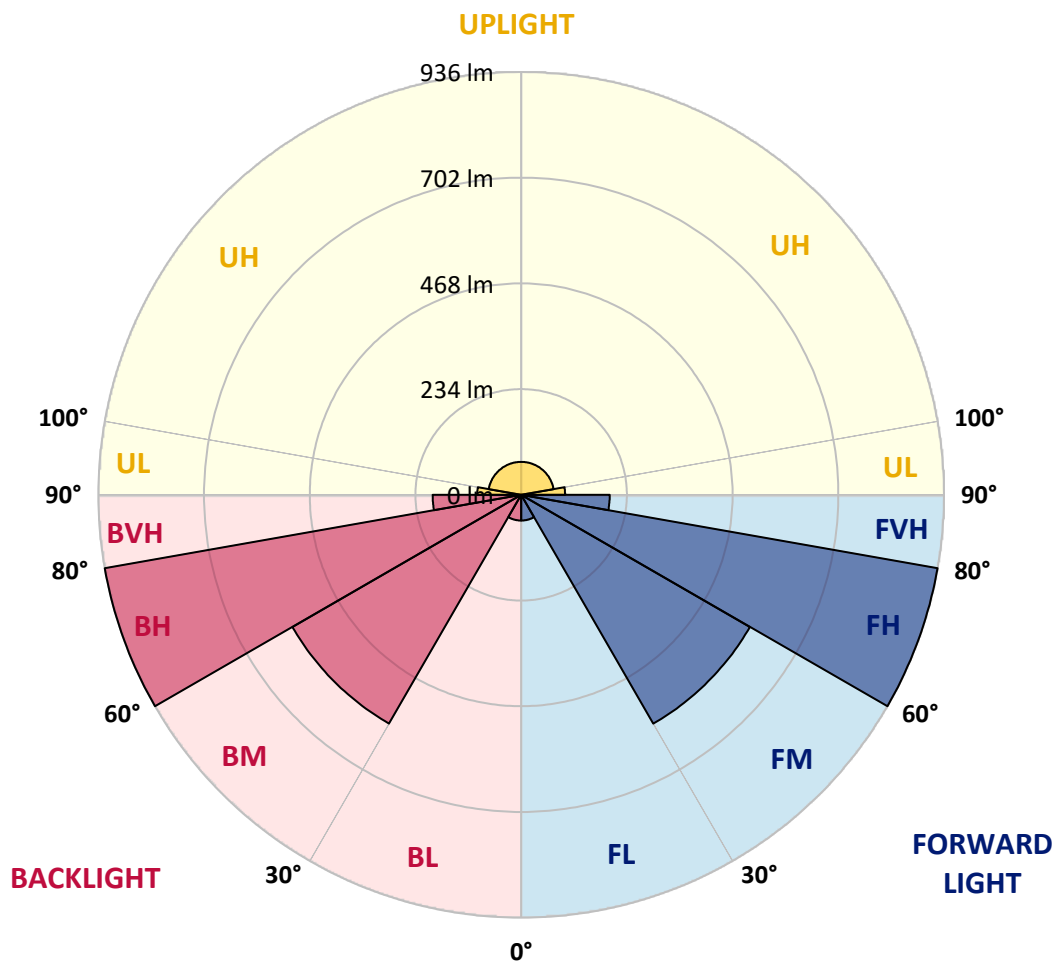
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	56.9	1.5			
FM (30°-60°)	584.8	15.8			
FH (60°-80°)	936.0	25.3			G1/1800
FVH (80°-90°)	195.9	5.3			G2/225
BL (0°-30°)	56.9	1.5	B0/110		
BM (30°-60°)	584.8	15.8	B1/1000		
BH (60°-80°)	936.0	25.3	B2/1000		G1/1800
BVH (80°-90°)	195.9	5.3			G2/225
UL (90°-100°)	97.3	2.6		U3/500	
UH (100°-180°)	72.8	2.0		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°	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
2.5°	66.4	66.4	66.8	66.8	67.2	67.6	67.2	66.8	66.4	66.0	66.0
5°	68.4	68.4	68.4	68.4	68.8	68.8	68.4	67.6	67.2	66.8	66.8
7.5°	71.6	71.6	71.6	71.6	71.6	71.2	70.4	69.6	69.2	68.8	68.8
10°	76.9	76.9	76.1	76.1	75.7	75.3	74.5	73.7	72.9	73.3	73.3
12.5°	85.7	86.1	84.9	82.9	81.3	80.5	80.1	80.1	81.3	81.3	81.7
15°	98.6	98.6	96.6	93.8	90.6	88.2	89.0	91.0	93.0	94.2	94.2
17.5°	112.7	112.7	110.7	107.1	102.6	101.4	101.0	103.0	107.5	109.1	109.5
20°	130.4	130.4	126.8	121.6	117.5	115.9	115.9	119.1	124.0	127.6	127.2
22.5°	154.6	154.2	148.9	140.1	134.8	132.4	132.0	136.5	144.9	150.5	152.2
25°	183.6	183.1	176.3	164.6	156.6	150.1	151.8	159.4	172.3	181.1	181.1
27.5°	216.6	214.9	206.1	193.2	181.1	172.7	175.1	186.0	202.1	214.1	214.5
30°	248.8	248.8	239.1	223.8	207.7	197.2	200.1	215.3	234.7	253.6	254.0
32.5°	283.0	282.6	270.5	255.2	235.5	223.8	228.2	247.1	274.5	296.3	300.3
35°	326.8	327.3	310.3	289.4	264.5	251.6	257.6	282.2	314.8	340.9	343.4
37.5°	373.9	376.4	357.8	330.9	297.5	281.8	290.6	319.2	357.0	384.4	384.4
40°	424.7	425.9	409.0	374.7	334.5	314.0	325.6	356.2	385.2	408.6	409.8
42.5°	467.7	468.9	455.7	422.2	377.2	352.6	359.5	382.8	410.2	436.3	438.8
45°	501.5	505.6	497.5	468.9	423.1	393.3	392.5	416.2	449.2	476.6	479.8
47.5°	562.7	564.7	550.7	516.8	470.1	437.5	434.3	458.1	501.1	530.5	532.5
50°	616.7	622.7	617.5	581.2	525.7	486.2	486.7	518.0	564.7	594.5	597.3
52.5°	677.4	680.3	678.7	647.7	593.7	547.0	552.3	587.7	638.0	656.5	659.7
55°	733.0	737.4	743.1	720.1	666.6	625.5	630.4	668.2	702.0	719.7	721.3
57.5°	821.1	825.6	825.2	791.4	745.5	705.6	713.7	743.5	787.7	817.9	823.2
60°	916.9	923.4	933.5	889.6	820.7	793.0	803.0	846.1	896.4	900.8	906.5
62.5°	980.9	984.2	1003.1	988.6	908.5	875.1	901.7	938.3	964.4	968.5	966.9
65°	1064.7	1075.1	1088.4	1055.0	990.6	944.7	975.3	1002.7	1049.8	1053.8	1053.0
67.5°	1091.2	1101.3	1130.7	1117.0	1036.5	999.9	1015.6	1045.8	1082.0	1078.8	1077.2
70°	1093.3	1102.9	1127.9	1120.6	1047.0	996.2	1012.3	1024.0	1057.4	1057.8	1053.4
72.5°	983.8	1000.7	1043.3	1056.2	991.8	939.9	941.1	940.7	943.1	916.5	906.1
75°	828.8	840.9	882.7	913.7	880.7	836.0	835.2	801.4	794.2	774.1	766.8
77.5°	663.8	678.7	718.9	752.7	741.0	716.9	704.4	666.2	655.7	632.8	635.6
80°	516.0	527.7	567.6	611.4	614.7	597.7	584.1	552.7	532.1	512.8	504.4
82.5°	397.3	407.4	441.6	489.1	508.8	506.8	487.5	452.0	433.5	415.0	404.1
85°	274.5	283.4	317.2	374.7	410.2	422.6	400.9	356.2	323.2	297.1	291.0
87.5°	177.1	181.1	208.1	258.0	311.2	340.5	317.6	261.6	220.2	199.2	192.4
90°	110.7	116.7	136.1	167.0	219.0	256.4	233.1	176.3	146.5	125.2	120.8
92.5°	76.9	76.1	89.4	111.1	149.3	179.9	159.8	116.7	92.6	78.5	75.7
95°	50.7	52.7	60.0	73.7	101.0	120.0	105.5	77.7	60.8	50.7	49.5
97.5°	37.8	38.2	43.9	52.3	68.8	78.9	70.0	53.9	43.1	36.6	36.2
100°	29.8	30.2	34.2	39.0	48.3	54.7	49.1	40.7	33.4	28.6	28.6
102.5°	23.3	23.7	26.6	30.6	36.6	40.7	37.4	31.4	26.2	22.5	22.1
105°	18.5	18.5	20.9	24.2	28.6	31.4	29.4	24.6	20.1	17.7	17.7
107.5°	14.5	14.9	16.5	18.9	22.9	25.8	23.3	18.9	15.7	13.7	13.7
110°	11.7	11.7	12.9	15.3	18.5	20.9	18.9	15.3	12.5	11.3	11.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	9.7	9.7	10.5	12.5	15.3	17.3	15.3	12.5	10.1	9.3	9.3
115°	8.1	8.1	8.9	10.1	12.9	14.1	12.9	10.1	8.5	7.6	7.6
117.5°	7.2	7.2	7.6	8.9	10.9	11.7	10.9	8.5	7.2	6.8	6.8
120°	6.4	6.4	6.8	7.6	9.3	10.1	9.3	7.6	6.4	6.0	6.0
122.5°	6.0	6.0	6.0	6.8	8.5	8.9	8.1	6.8	5.6	5.6	5.6
125°	5.6	5.6	5.6	6.0	7.2	7.6	7.2	6.0	5.2	5.2	5.2
127.5°	5.2	5.2	5.2	5.6	6.4	6.8	6.4	5.6	4.8	4.8	4.8
130°	5.2	5.2	4.8	5.2	5.6	6.0	5.6	5.2	4.8	4.4	4.8
132.5°	4.8	4.8	4.8	4.8	5.2	5.2	5.2	4.8	4.4	4.4	4.4
135°	4.4	4.4	4.0	4.0	4.4	4.8	4.4	4.0	4.0	4.0	4.0
137.5°	4.0	3.6	3.6	3.6	4.0	4.0	4.0	3.6	3.6	3.6	3.6
140°	3.2	3.2	3.2	3.2	3.2	3.6	3.2	2.8	2.8	3.2	3.2
142.5°	2.8	2.8	2.8	2.4	2.8	2.8	2.8	2.4	2.4	2.4	2.4
145°	2.4	2.4	2.4	2.0	2.4	2.4	2.4	2.0	2.0	2.0	2.0
147.5°	1.6	2.0	1.6	1.6	2.0	2.0	1.6	1.6	1.6	1.6	1.6
150°	1.2	1.2	1.2	1.2	1.6	1.6	1.2	1.2	1.2	1.2	1.2
152.5°	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	0.8	0.8	0.8
155°	0.8	0.8	0.8	0.8	1.2	1.2	0.8	0.8	0.8	0.4	0.4
157.5°	0.4	0.4	0.4	0.4	0.8	1.2	0.8	0.4	0.4	0.4	0.4
160°	0.0	0.0	0.0	0.4	0.8	1.2	0.8	0.4	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)