

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: P415282

Luminaire Tested: **LXF.LXT-PA1-40-830-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415282
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-16)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-830-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3902 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

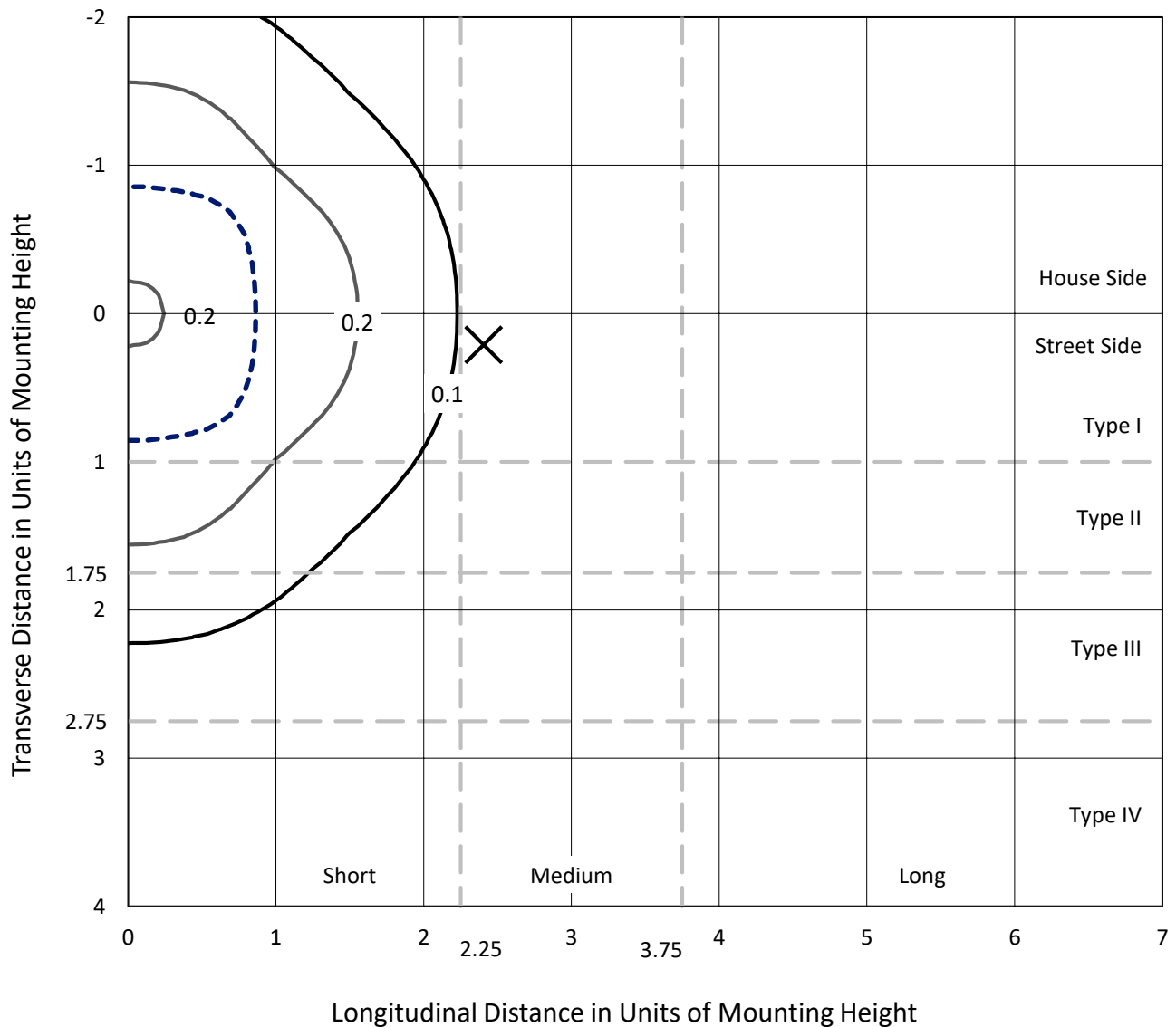
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

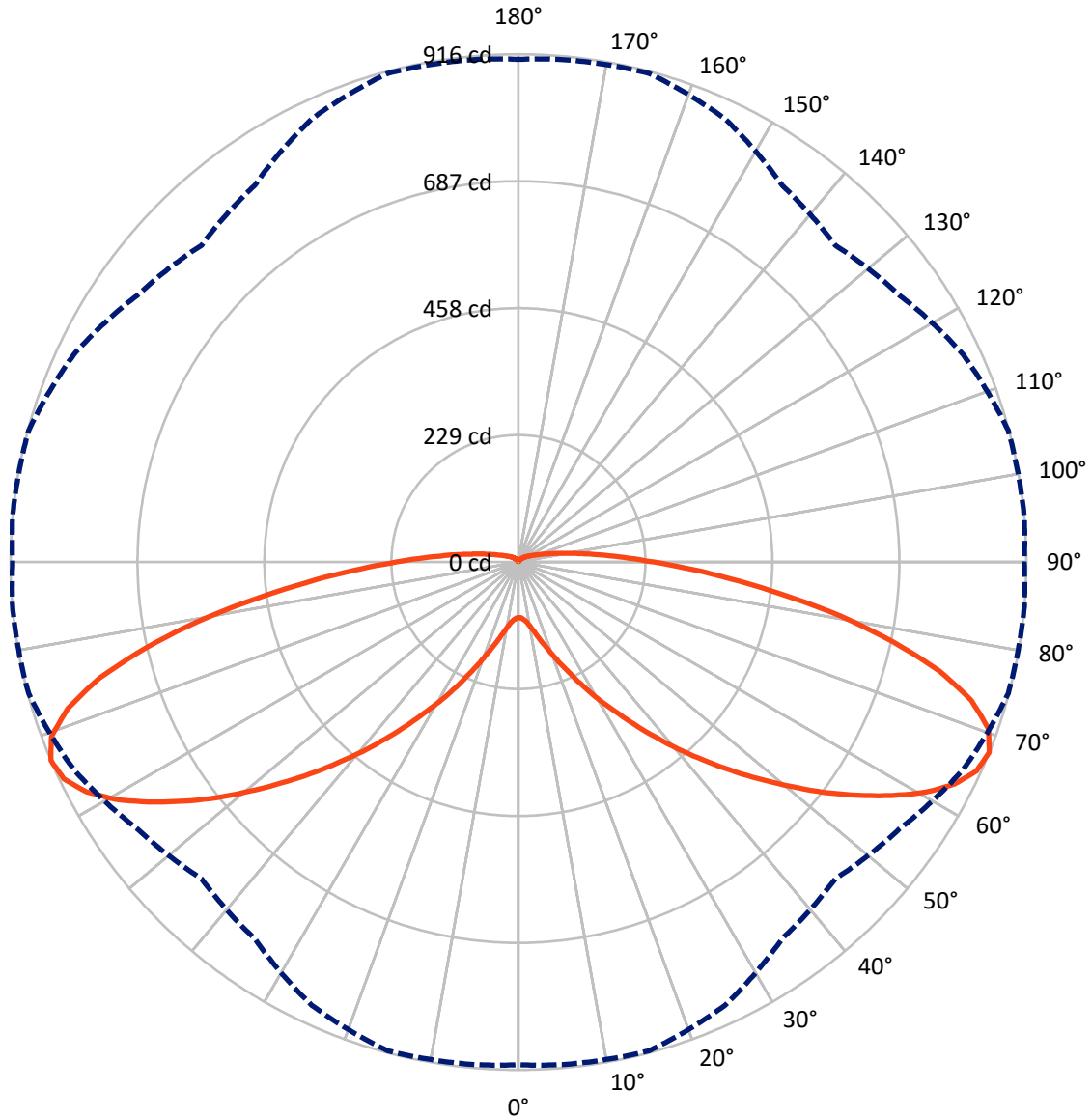
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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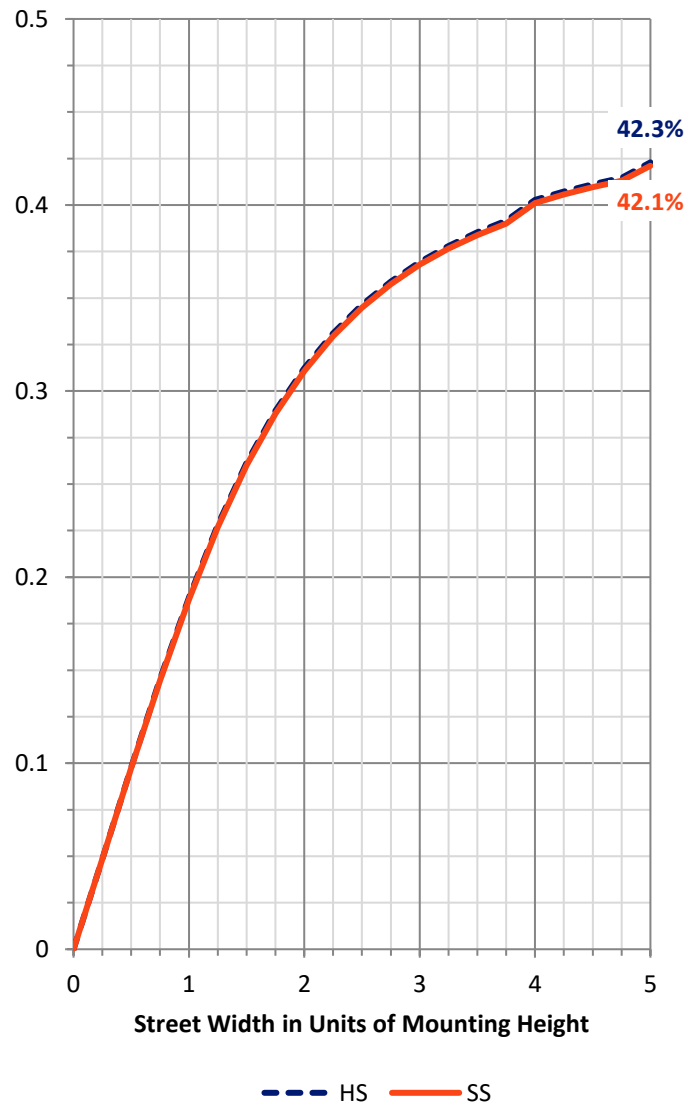
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1769.4	181.6	1951.0
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	1769.4	181.6	1951.0
	% Fixture	45.3	4.7	50.0
Total	Lumens	3538.7	363.2	3902.0
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.4	0.3
10°-20°	42.4	1.1
20°-30°	107.3	2.7
30°-40°	220.7	5.7
40°-50°	396.8	10.2
50°-60°	634.4	16.3
60°-70°	848.8	21.8
70°-80°	804.3	20.6
80°-90°	473.7	12.1
90°-100°	204.6	5.2
100°-110°	87.1	2.2
110°-120°	40.1	1.0
120°-130°	19.2	0.5
130°-140°	8.6	0.2
140°-150°	2.9	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3538.7	90.7
0°-180°	3902.0	100.0



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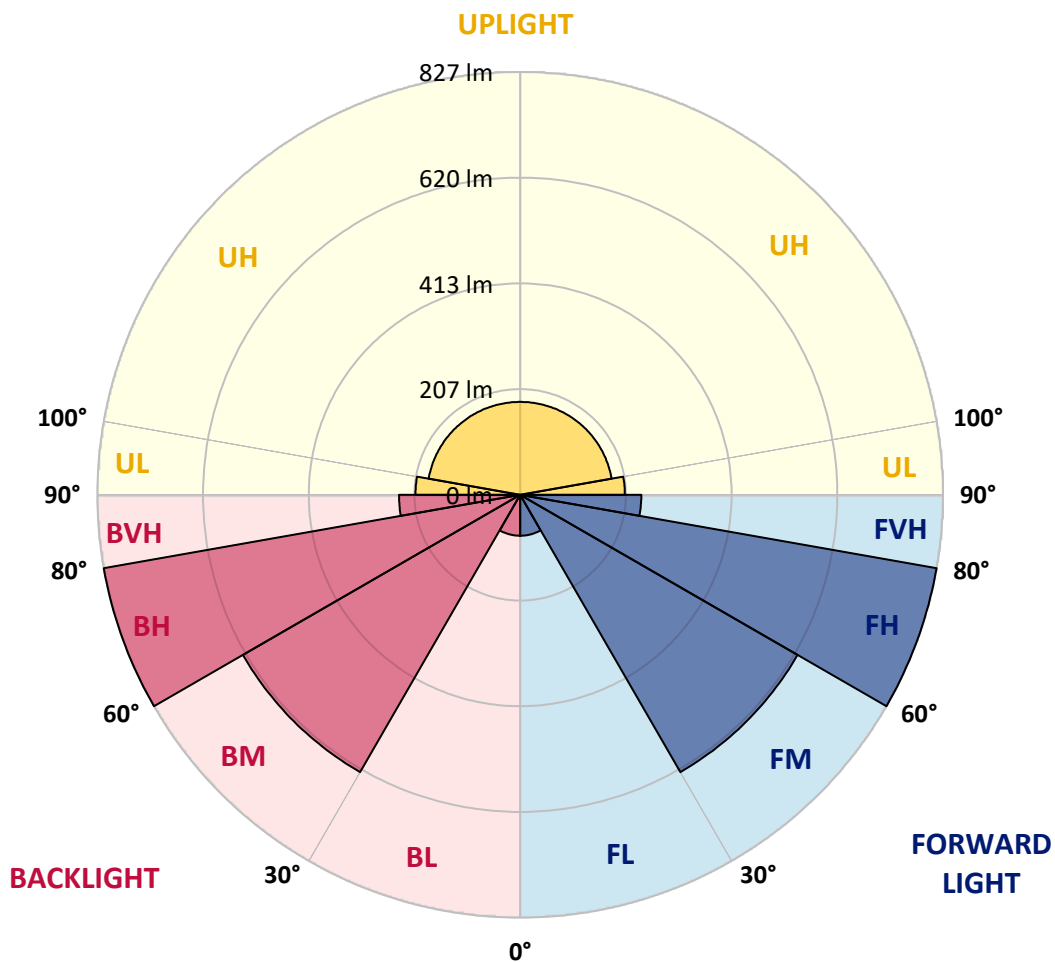
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	80.0	2.1			
FM	(30°-60°)	626.0	16.0			
FH	(60°-80°)	826.5	21.2			G1/1800
FVH	(80°-90°)	236.9	6.1			G3/500
BL	(0°-30°)	80.0	2.1	B0/110		
BM	(30°-60°)	626.0	16.0	B1/1000		
BH	(60°-80°)	826.5	21.2	B2/1000		G1/1800
BVH	(80°-90°)	236.9	6.1			G3/500
UL	(90°-100°)	204.6	5.2		U3/500	
UH	(100°-180°)	181.6	4.7		U3/500	

BUG Rating: B2-U3-G3

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1
2.5°	100.9	100.5	100.9	100.9	101.4	101.4	101.4	101.4	100.9	100.9	100.9
5°	104.4	104.4	104.4	104.4	104.8	104.8	104.8	104.4	104.4	104.4	104.4
7.5°	110.9	110.5	110.9	110.5	110.5	110.1	110.5	110.1	109.6	109.6	109.6
10°	119.2	119.2	119.2	118.8	118.8	118.8	117.9	117.9	117.9	118.3	117.9
12.5°	132.7	131.8	131.8	130.1	129.2	128.8	128.3	128.3	129.6	129.6	128.8
15°	148.4	147.9	147.9	145.7	144.0	141.4	141.8	143.6	143.6	144.4	144.0
17.5°	167.1	166.6	165.3	163.1	161.0	159.2	158.4	159.2	160.1	160.5	161.0
20°	187.5	187.1	185.3	183.2	181.0	180.1	177.1	178.4	179.2	180.1	179.7
22.5°	209.3	209.3	207.5	204.5	202.3	200.6	199.3	197.9	201.0	202.7	203.2
25°	235.8	234.9	231.9	228.4	225.8	224.5	222.7	222.7	224.9	228.4	229.3
27.5°	263.6	262.8	258.4	254.5	251.0	248.0	247.1	248.4	252.3	257.5	257.5
30°	294.5	292.8	288.9	282.8	277.1	274.1	275.0	277.1	282.8	288.9	288.4
32.5°	328.5	325.4	321.1	314.1	305.8	301.5	302.8	308.9	314.5	321.1	321.9
35°	364.6	364.1	357.2	348.0	337.6	330.6	333.2	341.5	350.2	359.4	360.7
37.5°	401.6	402.9	394.6	384.6	369.4	361.1	366.7	378.5	389.4	399.4	400.2
40°	446.8	445.5	437.2	422.4	404.2	395.0	399.8	416.3	430.3	442.9	443.8
42.5°	493.3	489.9	482.9	465.1	440.7	432.4	439.4	458.1	476.8	487.3	487.7
45°	537.3	538.6	530.8	509.4	482.5	469.9	479.9	502.0	523.8	535.1	536.4
47.5°	592.5	589.1	582.1	554.7	524.2	511.6	522.9	549.9	573.8	584.3	583.8
50°	646.5	644.3	634.3	605.6	571.2	556.0	567.3	600.4	626.5	635.6	637.8
52.5°	697.8	697.0	688.2	656.5	619.5	600.8	616.5	650.8	680.9	690.0	690.9
55°	750.5	747.9	741.3	708.3	666.1	645.2	664.8	703.0	733.9	742.6	743.1
57.5°	797.4	799.2	794.0	759.2	710.4	690.4	712.2	754.8	786.1	794.4	795.7
60°	844.4	844.9	841.0	807.0	755.2	732.6	757.9	802.2	835.7	843.1	843.6
62.5°	881.4	882.3	879.2	842.3	790.5	768.7	796.6	842.7	877.1	882.3	881.8
65°	904.0	906.6	904.9	871.4	816.2	796.1	825.3	873.6	904.9	907.9	906.6
67.5°	906.6	909.7	912.3	881.8	829.2	807.9	838.8	884.9	914.5	915.8	911.9
70°	887.5	890.5	896.6	871.4	822.7	804.8	834.4	875.8	900.6	898.8	894.5
72.5°	838.3	844.9	854.0	837.0	796.1	781.4	810.5	843.6	860.5	854.0	847.9
75°	767.9	774.4	791.8	782.2	750.9	742.6	764.4	789.2	794.0	784.4	776.1
77.5°	682.2	690.4	706.5	713.9	693.0	684.8	703.0	716.1	710.9	690.0	683.9
80°	582.1	595.1	612.1	623.9	618.6	616.0	625.2	623.9	604.7	588.2	577.7
82.5°	490.7	493.3	519.4	534.2	536.0	536.9	539.5	523.8	501.6	479.4	469.9
85°	401.1	402.0	423.7	445.1	453.3	455.9	451.1	430.3	407.2	382.4	375.9
87.5°	321.5	322.8	341.9	363.7	378.1	379.8	370.7	350.2	321.5	299.3	293.7
90°	254.1	258.4	277.6	295.4	310.6	313.2	300.2	278.4	251.9	230.6	227.1
92.5°	203.2	205.3	222.7	239.3	253.6	254.1	244.9	222.7	199.3	180.1	175.8
95°	163.1	164.9	178.8	194.0	205.8	208.4	197.9	178.4	156.6	140.1	139.2
97.5°	130.1	132.3	143.1	159.2	167.9	169.7	162.7	144.4	124.4	109.6	109.6
100°	104.4	105.7	115.3	128.8	137.9	139.7	132.7	116.6	99.2	86.1	85.3
102.5°	84.8	85.7	93.5	105.7	114.0	115.7	109.6	96.6	79.6	69.2	68.7
105°	69.6	70.0	76.1	87.4	95.3	96.6	90.9	79.6	64.4	55.7	55.3
107.5°	57.0	57.4	62.2	72.7	80.0	81.4	76.6	65.3	52.2	46.1	45.2
110°	47.9	48.3	51.8	60.0	67.4	69.2	64.4	54.4	43.1	37.8	37.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	40.5	40.9	43.5	50.5	57.0	59.2	54.4	45.2	36.1	32.2	31.8
115°	34.4	34.8	36.5	42.6	47.9	49.6	46.1	37.8	30.5	27.4	27.4
117.5°	30.0	30.5	31.3	36.1	40.9	42.2	38.7	31.8	25.7	23.9	23.9
120°	26.5	26.5	27.0	30.5	34.4	35.7	32.6	27.0	22.2	20.9	20.9
122.5°	23.1	23.1	23.5	26.1	29.1	30.0	27.4	22.6	19.1	18.7	18.3
125°	20.4	20.4	20.4	22.2	24.8	25.2	23.1	19.1	17.0	16.5	16.5
127.5°	17.8	17.8	17.8	18.7	20.4	20.9	19.1	16.1	14.8	14.4	14.4
130°	15.7	15.7	15.7	16.1	17.0	17.4	15.7	13.9	13.1	13.1	13.1
132.5°	13.9	13.9	13.5	13.5	13.9	13.9	13.1	11.7	11.3	11.3	11.3
135°	12.2	12.2	11.7	11.3	11.3	10.9	10.0	9.6	10.0	10.0	10.0
137.5°	10.4	10.4	10.0	9.6	9.1	8.7	8.3	7.8	8.3	8.7	8.7
140°	8.7	8.7	8.3	7.4	7.0	6.5	6.1	6.5	7.0	7.4	7.4
142.5°	7.0	7.0	7.0	6.1	5.2	4.8	4.8	5.2	5.7	6.1	6.1
145°	5.7	5.7	5.2	4.8	3.9	3.5	3.5	3.9	4.8	4.8	4.8
147.5°	4.4	4.4	3.9	3.5	2.6	2.2	2.6	3.0	3.5	3.9	3.9
150°	3.0	3.0	3.0	2.6	1.7	1.7	1.7	2.2	2.6	2.6	2.6
152.5°	1.7	1.7	1.7	1.7	1.3	0.9	1.3	1.7	1.7	1.7	1.7
155°	1.3	1.3	1.3	1.3	0.9	0.9	0.9	1.3	1.3	1.3	1.3
157.5°	0.4	0.4	0.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.0	0.0	0.4	0.4	0.9	0.9	0.9	0.9	0.4	0.4	0.4
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)