

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: P414970

Luminaire Tested: **LXF.LXT-PA1-40-727-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414970
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-PA1-40-727-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 4107 lumens
Efficiency: N/A
Efficacy: 102.7 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 (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



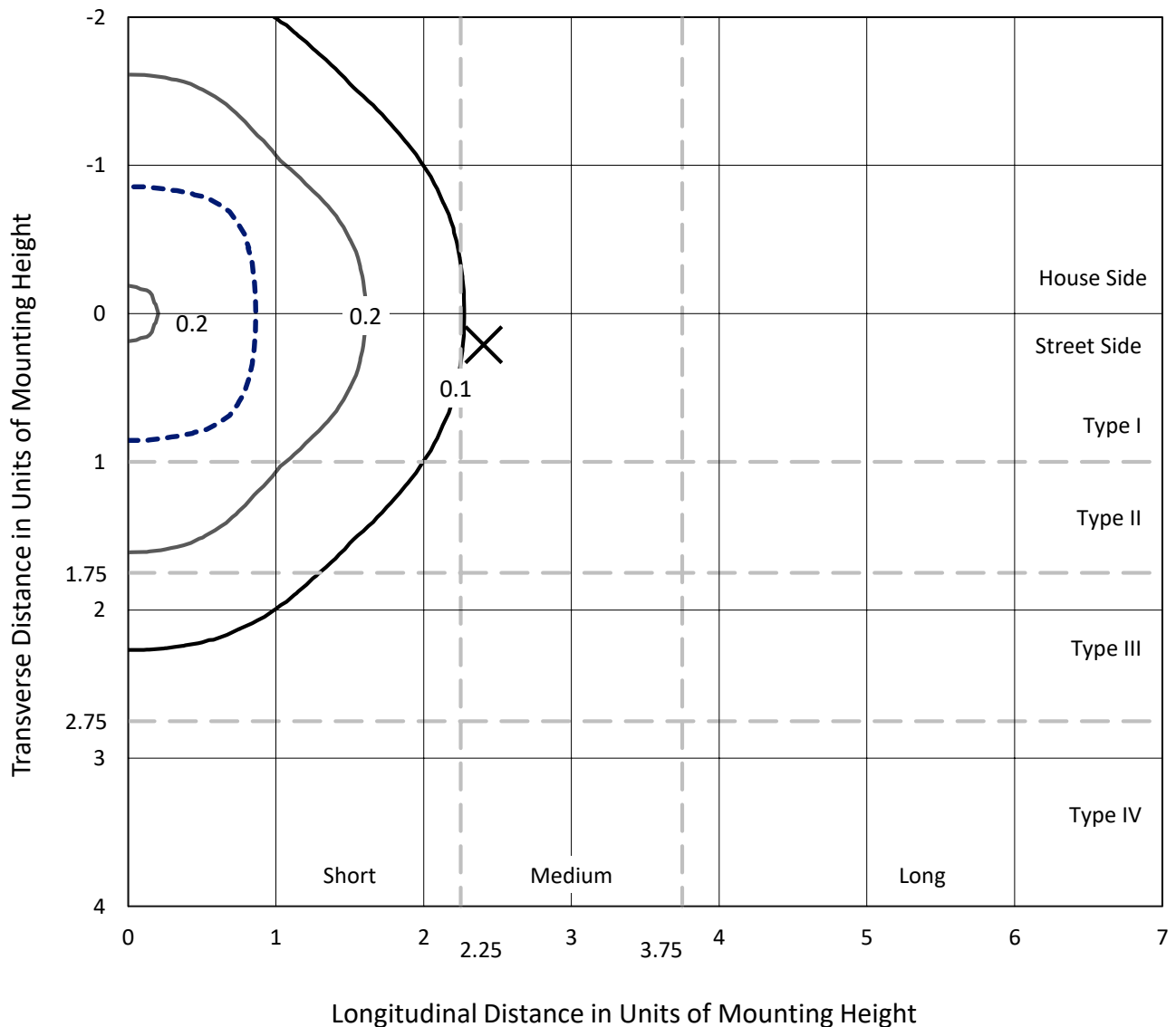


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Iso-Footcandle Lines of Horizontal Illumination

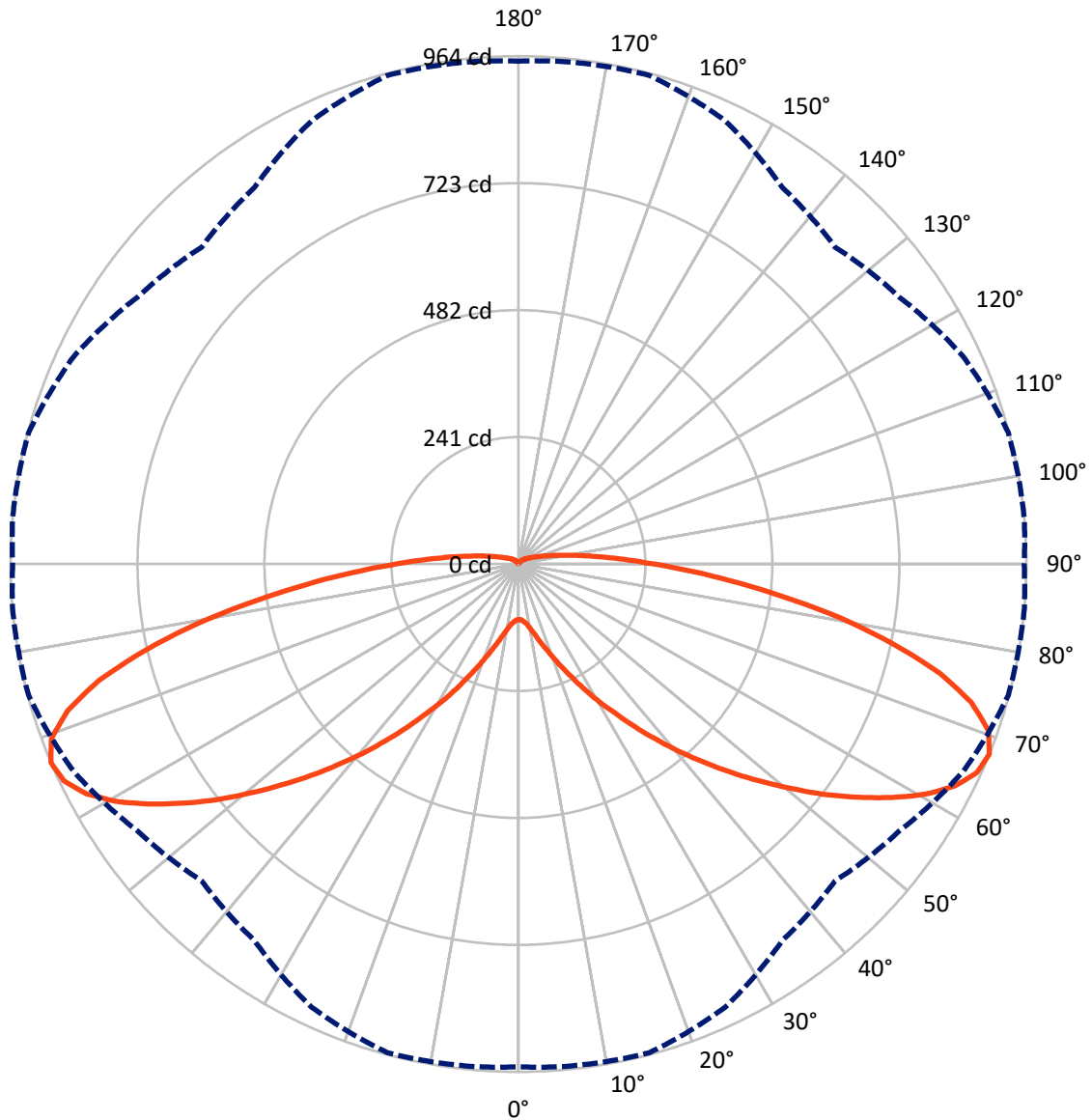
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type V - 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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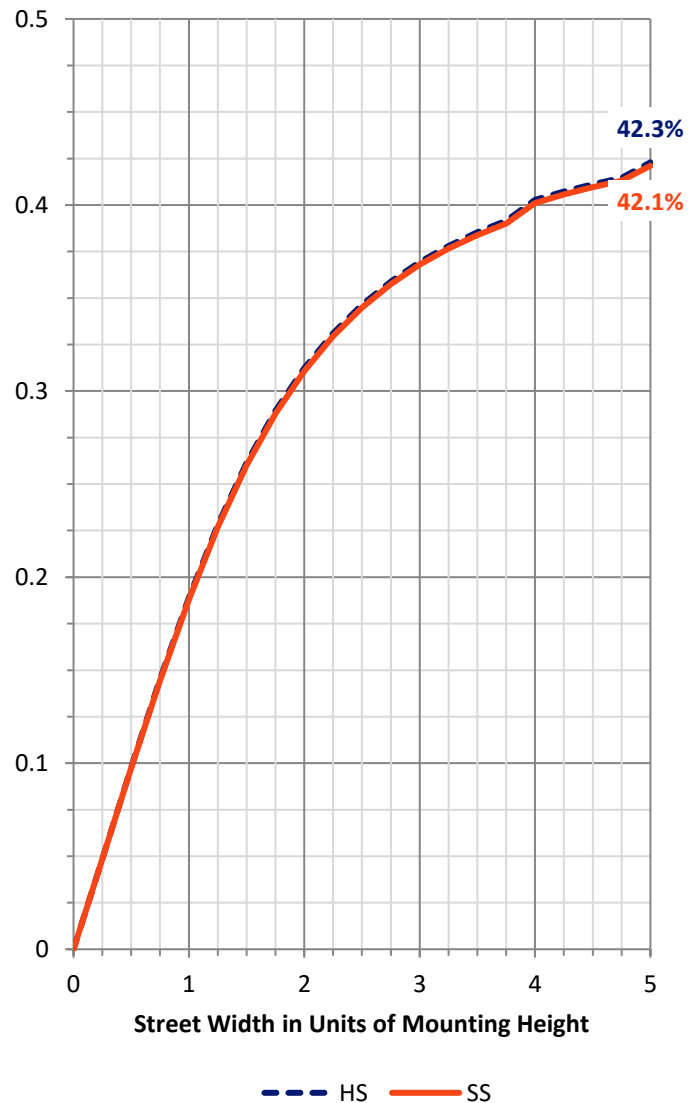
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1862.3	191.2	2053.5
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	1862.3	191.2	2053.5
	% Fixture	45.3	4.7	50.0
Total	Lumens	3724.6	382.3	4107.0
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.0	0.3
10°-20°	44.6	1.1
20°-30°	112.9	2.7
30°-40°	232.3	5.7
40°-50°	417.7	10.2
50°-60°	667.7	16.3
60°-70°	893.4	21.8
70°-80°	846.5	20.6
80°-90°	498.6	12.1
90°-100°	215.4	5.2
100°-110°	91.7	2.2
110°-120°	42.2	1.0
120°-130°	20.2	0.5
130°-140°	9.0	0.2
140°-150°	3.1	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3724.6	90.7
0°-180°	4107.0	100.0



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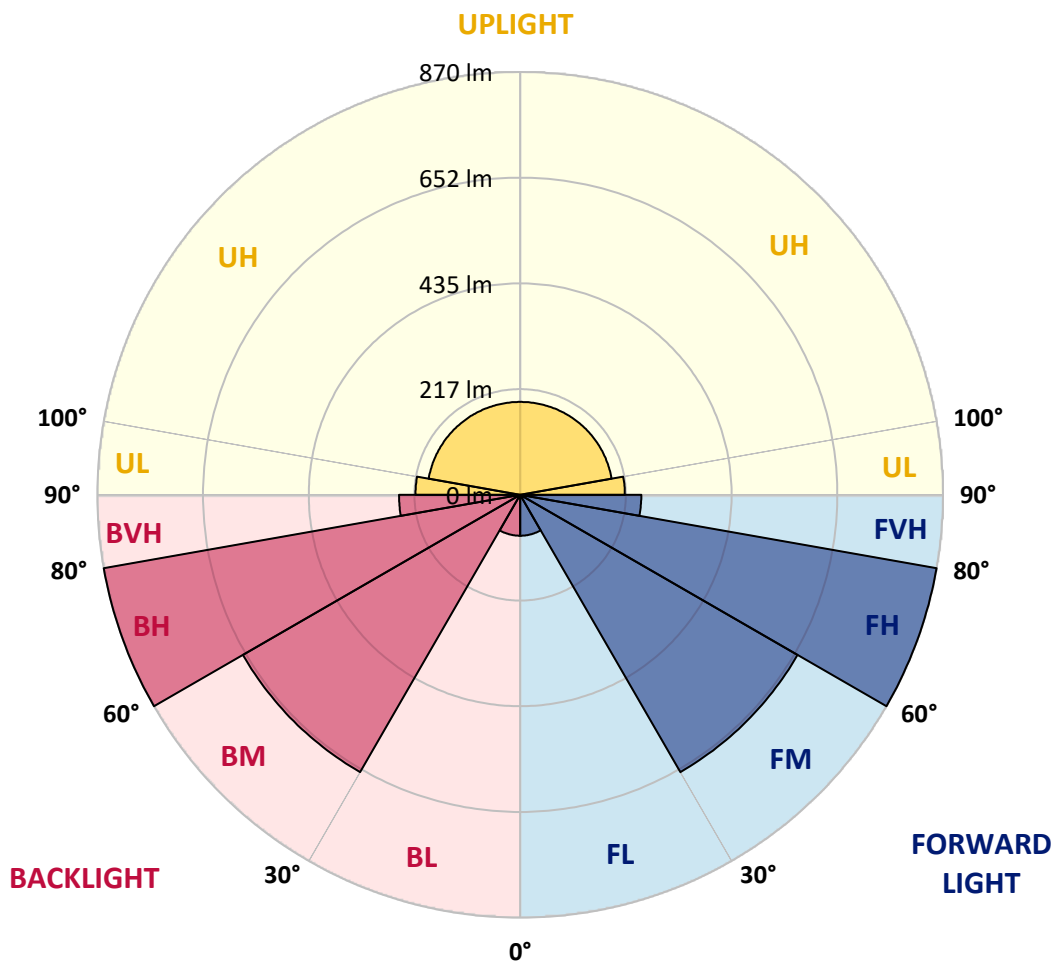
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	84.3	2.1			
FM	(30°-60°)	658.8	16.0			
FH	(60°-80°)	869.9	21.2			G1/1800
FVH	(80°-90°)	249.3	6.1			G3/500
BL	(0°-30°)	84.3	2.1	B0/110		
BM	(30°-60°)	658.8	16.0	B1/1000		
BH	(60°-80°)	869.9	21.2	B2/1000		G1/1800
BVH	(80°-90°)	249.3	6.1			G3/500
UL	(90°-100°)	215.4	5.2		U3/500	
UH	(100°-180°)	191.2	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°	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3
2.5°	106.2	105.8	106.2	106.2	106.7	106.7	106.7	106.7	106.2	106.2	106.2
5°	109.9	109.9	109.9	109.9	110.4	110.4	110.4	109.9	109.9	109.9	109.9
7.5°	116.8	116.3	116.8	116.3	116.3	115.9	116.3	115.9	115.4	115.4	115.4
10°	125.5	125.5	125.5	125.0	125.0	125.0	124.1	124.1	124.1	124.6	124.1
12.5°	139.7	138.7	138.7	136.9	136.0	135.5	135.1	135.1	136.5	136.5	135.5
15°	156.1	155.7	155.7	153.4	151.6	148.8	149.3	151.1	151.1	152.0	151.6
17.5°	175.8	175.4	174.0	171.7	169.4	167.6	166.7	167.6	168.5	169.0	169.4
20°	197.4	196.9	195.1	192.8	190.5	189.6	186.4	187.7	188.7	189.6	189.1
22.5°	220.3	220.3	218.4	215.2	212.9	211.1	209.7	208.3	211.6	213.4	213.8
25°	248.2	247.3	244.1	240.4	237.7	236.3	234.4	234.4	236.7	240.4	241.3
27.5°	277.5	276.6	272.0	267.9	264.2	261.0	260.1	261.5	265.6	271.1	271.1
30°	310.0	308.2	304.0	297.6	291.7	288.5	289.4	291.7	297.6	304.0	303.6
32.5°	345.7	342.5	337.9	330.6	321.9	317.3	318.7	325.1	331.1	337.9	338.9
35°	383.7	383.3	375.9	366.3	355.3	348.0	350.8	359.5	368.6	378.2	379.6
37.5°	422.6	424.0	415.3	404.8	388.8	380.1	386.0	398.4	409.8	420.4	421.3
40°	470.3	468.9	460.2	444.6	425.4	415.8	420.8	438.2	452.9	466.1	467.1
42.5°	519.3	515.6	508.3	489.5	463.9	455.2	462.5	482.2	501.9	512.9	513.3
45°	565.5	566.9	558.6	536.2	507.8	494.5	505.1	528.4	551.3	563.2	564.6
47.5°	623.7	620.0	612.7	583.8	551.8	538.5	550.4	578.8	604.0	615.0	614.5
50°	680.4	678.2	667.6	637.4	601.2	585.2	597.1	631.9	659.4	669.0	671.3
52.5°	734.5	733.6	724.4	691.0	652.1	632.4	648.9	685.0	716.6	726.2	727.2
55°	789.9	787.1	780.3	745.5	701.1	679.1	699.7	740.0	772.5	781.6	782.1
57.5°	839.3	841.2	835.7	799.0	747.8	726.7	749.6	794.5	827.4	836.1	837.5
60°	888.8	889.3	885.1	849.4	794.9	771.1	797.7	844.4	879.6	887.4	887.9
62.5°	927.7	928.6	925.4	886.5	832.0	809.1	838.4	887.0	923.1	928.6	928.2
65°	951.5	954.3	952.4	917.2	859.0	838.0	868.6	919.5	952.4	955.7	954.3
67.5°	954.3	957.5	960.2	928.2	872.8	850.3	882.8	931.4	962.5	963.9	959.8
70°	934.1	937.3	943.7	917.2	865.9	847.1	878.3	921.8	947.9	946.0	941.5
72.5°	882.4	889.3	898.9	881.0	838.0	822.4	853.1	887.9	905.7	898.9	892.5
75°	808.2	815.1	833.4	823.3	790.3	781.6	804.5	830.6	835.7	825.6	816.9
77.5°	718.0	726.7	743.6	751.4	729.4	720.7	740.0	753.7	748.2	726.2	719.8
80°	612.7	626.4	644.3	656.6	651.1	648.4	658.0	656.6	636.5	619.1	608.1
82.5°	516.5	519.3	546.7	562.3	564.1	565.1	567.8	551.3	528.0	504.6	494.5
85°	422.2	423.1	446.0	468.4	477.1	479.9	474.8	452.9	428.6	402.5	395.6
87.5°	338.4	339.8	359.9	382.8	397.9	399.8	390.1	368.6	338.4	315.0	309.1
90°	267.4	272.0	292.1	310.9	326.9	329.7	316.0	293.1	265.1	242.7	239.0
92.5°	213.8	216.1	234.4	251.8	267.0	267.4	257.8	234.4	209.7	189.6	185.0
95°	171.7	173.5	188.2	204.2	216.6	219.3	208.3	187.7	164.8	147.4	146.5
97.5°	136.9	139.2	150.7	167.6	176.8	178.6	171.3	152.0	131.0	115.4	115.4
100°	109.9	111.3	121.3	135.5	145.2	147.0	139.7	122.7	104.4	90.7	89.7
102.5°	89.3	90.2	98.4	111.3	120.0	121.8	115.4	101.7	83.8	72.8	72.3
105°	73.3	73.7	80.1	92.0	100.3	101.7	95.7	83.8	67.8	58.6	58.2
107.5°	60.0	60.4	65.5	76.5	84.3	85.6	80.6	68.7	54.9	48.5	47.6
110°	50.4	50.8	54.5	63.2	71.0	72.8	67.8	57.2	45.3	39.8	39.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	42.6	43.0	45.8	53.1	60.0	62.3	57.2	47.6	38.0	33.9	33.4
115°	36.2	36.6	38.5	44.9	50.4	52.2	48.5	39.8	32.1	28.8	28.8
117.5°	31.6	32.1	33.0	38.0	43.0	44.4	40.8	33.4	27.0	25.2	25.2
120°	27.9	27.9	28.4	32.1	36.2	37.5	34.3	28.4	23.4	22.0	22.0
122.5°	24.3	24.3	24.7	27.5	30.7	31.6	28.8	23.8	20.1	19.7	19.2
125°	21.5	21.5	21.5	23.4	26.1	26.6	24.3	20.1	17.9	17.4	17.4
127.5°	18.8	18.8	18.8	19.7	21.5	22.0	20.1	16.9	15.6	15.1	15.1
130°	16.5	16.5	16.5	16.9	17.9	18.3	16.5	14.7	13.7	13.7	13.7
132.5°	14.7	14.7	14.2	14.2	14.7	14.7	13.7	12.4	11.9	11.9	11.9
135°	12.8	12.8	12.4	11.9	11.9	11.4	10.5	10.1	10.5	10.5	10.5
137.5°	11.0	11.0	10.5	10.1	9.6	9.2	8.7	8.2	8.7	9.2	9.2
140°	9.2	9.2	8.7	7.8	7.3	6.9	6.4	6.9	7.3	7.8	7.8
142.5°	7.3	7.3	7.3	6.4	5.5	5.0	5.0	5.5	6.0	6.4	6.4
145°	6.0	6.0	5.5	5.0	4.1	3.7	3.7	4.1	5.0	5.0	5.0
147.5°	4.6	4.6	4.1	3.7	2.7	2.3	2.7	3.2	3.7	4.1	4.1
150°	3.2	3.2	3.2	2.7	1.8	1.8	1.8	2.3	2.7	2.7	2.7
152.5°	1.8	1.8	1.8	1.8	1.4	0.9	1.4	1.8	1.8	1.8	1.8
155°	1.4	1.4	1.4	1.4	0.9	0.9	0.9	1.4	1.4	1.4	1.4
157.5°	0.5	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.0	0.0	0.5	0.5	0.9	0.9	0.9	0.9	0.5	0.5	0.5
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)