

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: P414556

Luminaire Tested: **LXF.LXT-PA1-30-727-U-5WQ-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414556
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-21)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-727-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3230 lumens
Efficiency: N/A
Efficacy: 104.2 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): 31
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

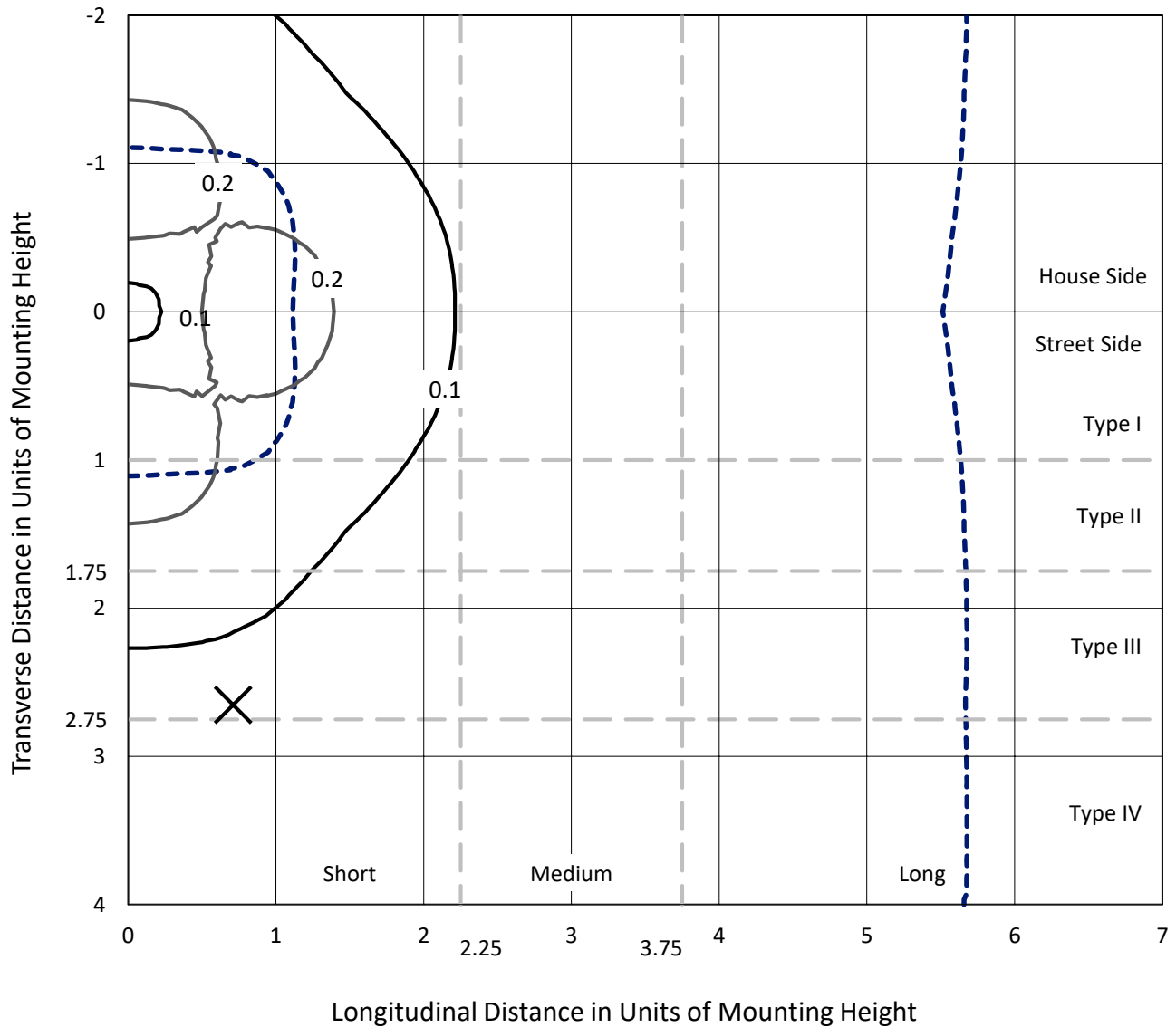


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Iso-Footcandle Lines of Horizontal Illumination

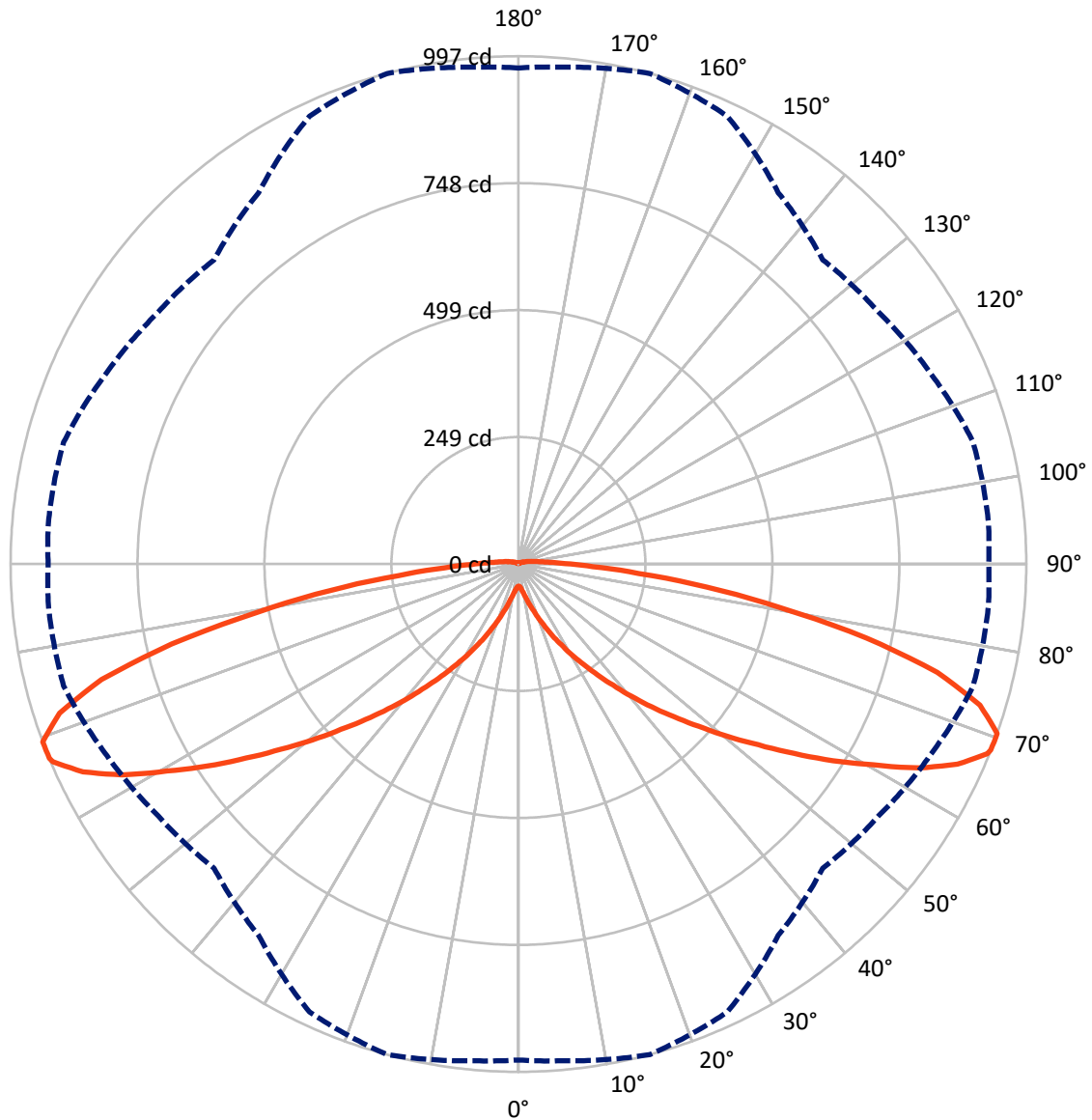
× Max cd
 - - - 1/2 Max cd



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 70-Deg Vertical

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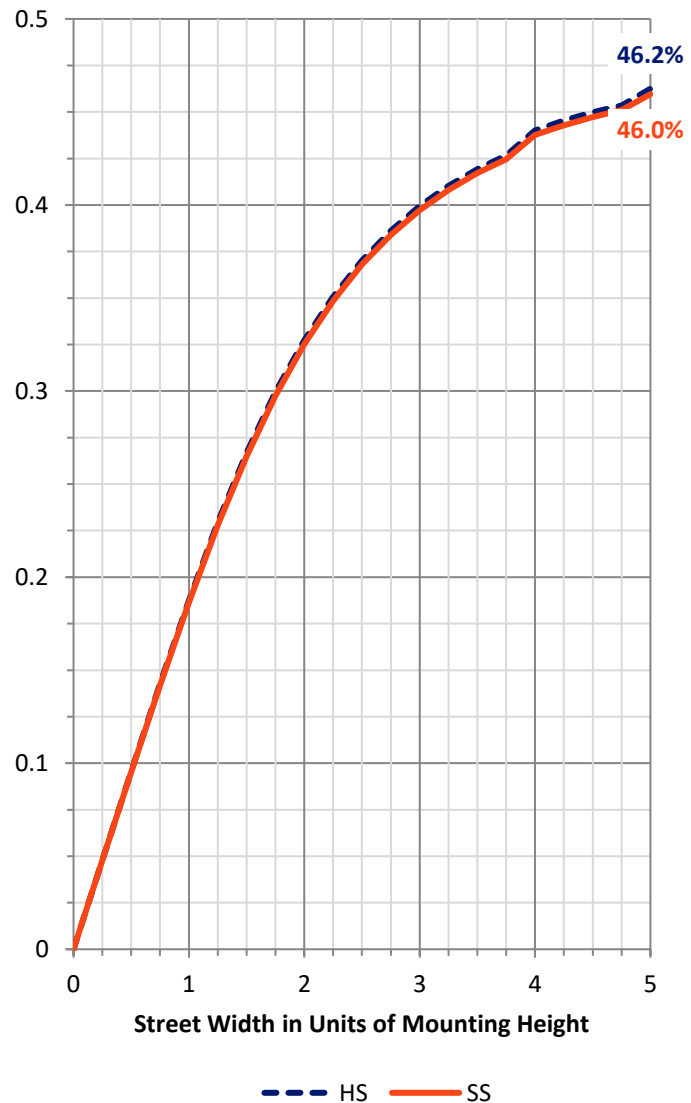
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1558.1	56.9	1615.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	1558.1	56.9	1615.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	3116.3	113.7	3230.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	0.1
10°-20°	23.3	0.7
20°-30°	70.2	2.2
30°-40°	161.3	5.0
40°-50°	310.2	9.6
50°-60°	548.4	17.0
60°-70°	849.8	26.3
70°-80°	824.8	25.5
80°-90°	323.5	10.0
90°-100°	69.6	2.2
100°-110°	23.8	0.7
110°-120°	10.5	0.3
120°-130°	5.3	0.2
130°-140°	2.9	0.1
140°-150°	1.3	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3116.3	96.5
0°-180°	3230.0	100.0



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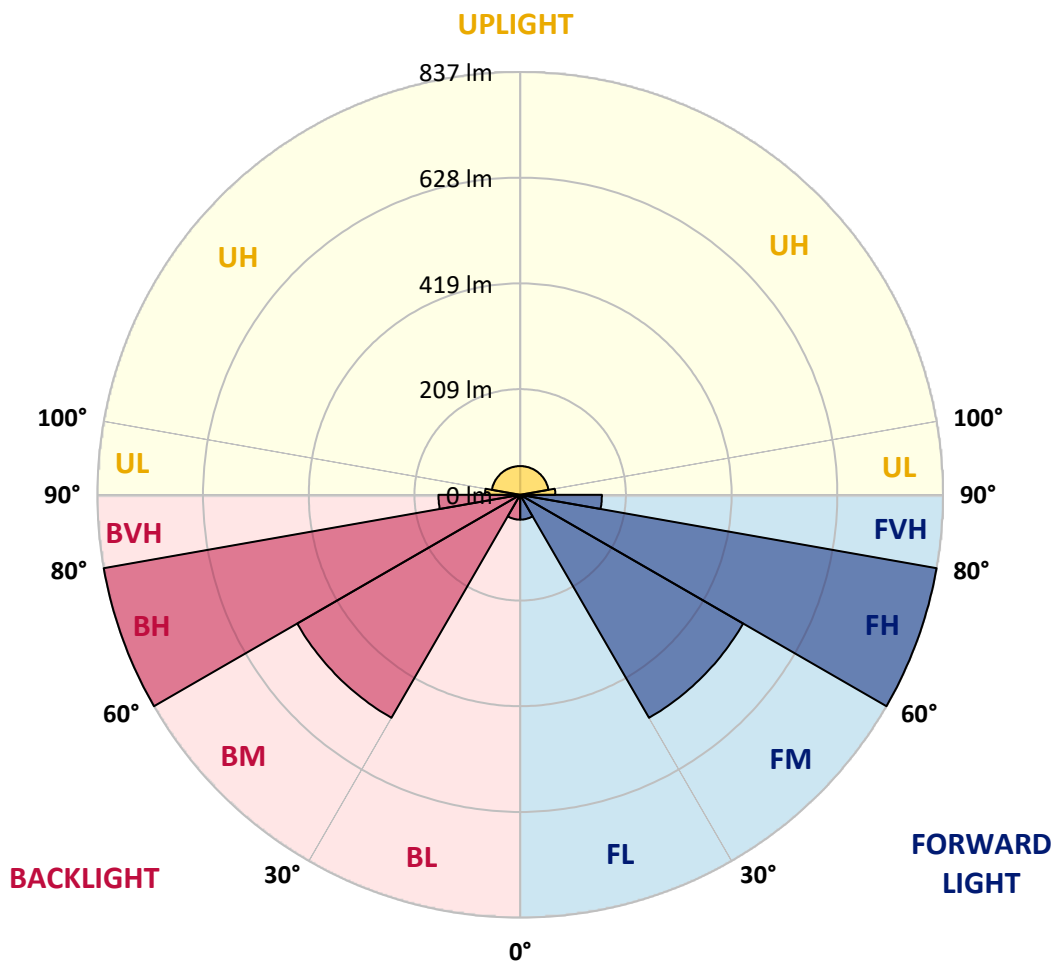
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	49.2	1.5			
FM	(30°-60°)	509.9	15.8			
FH	(60°-80°)	837.3	25.9			G1/1800
FVH	(80°-90°)	161.8	5.0			G2/225
BL	(0°-30°)	49.2	1.5	B0/110		
BM	(30°-60°)	509.9	15.8	B1/1000		
BH	(60°-80°)	837.3	25.9	B2/1000		G1/1800
BVH	(80°-90°)	161.8	5.0			G2/225
UL	(90°-100°)	69.6	2.2		U3/500	
UH	(100°-180°)	56.9	1.8		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°	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
2.5°	44.2	44.2	44.2	44.5	44.5	44.9	44.5	44.2	44.2	43.8	43.8
5°	47.4	47.4	47.4	47.4	47.7	47.7	47.0	46.7	46.3	46.3	46.3
7.5°	52.3	52.3	52.7	52.3	52.3	52.0	51.3	50.6	50.6	50.2	50.2
10°	60.1	59.4	59.4	59.0	58.7	58.0	57.3	56.9	56.2	56.2	55.5
12.5°	70.7	70.4	69.3	68.2	66.8	65.8	65.1	64.7	64.7	64.7	65.4
15°	83.1	83.4	82.7	80.3	77.4	75.3	75.0	75.0	75.7	76.4	76.4
17.5°	99.4	98.6	96.9	94.0	90.5	88.4	87.0	88.0	89.8	90.9	91.6
20°	117.0	116.7	114.2	109.6	105.7	102.9	101.8	103.2	106.4	109.3	108.9
22.5°	137.5	137.2	133.3	127.3	122.0	118.8	117.7	120.6	127.3	130.8	131.5
25°	160.9	159.8	156.3	148.1	140.7	135.8	136.5	141.4	150.3	157.3	157.0
27.5°	187.4	186.0	179.3	170.1	160.2	155.2	156.6	164.8	176.8	184.9	186.0
30°	216.4	214.3	207.2	193.8	182.4	175.4	178.9	190.2	205.4	217.1	218.5
32.5°	244.3	246.8	234.8	221.3	205.8	196.6	201.2	216.7	235.5	251.7	253.2
35°	279.7	277.5	267.3	249.6	230.5	221.0	227.0	246.1	267.3	286.4	287.1
37.5°	317.5	315.4	301.9	280.4	258.1	246.8	254.6	275.1	302.3	321.4	325.6
40°	358.2	353.9	341.5	315.0	287.8	276.1	283.6	309.4	338.7	359.6	362.4
42.5°	398.1	395.6	382.9	352.5	321.4	306.5	317.5	343.0	376.9	397.4	400.9
45°	441.6	441.2	427.5	394.2	359.2	342.6	353.9	382.2	414.7	438.4	440.5
47.5°	487.6	487.9	475.9	442.7	400.2	381.5	392.5	424.3	462.5	483.7	485.8
50°	542.0	539.9	531.8	492.9	448.3	427.1	441.2	474.5	509.8	532.5	534.6
52.5°	599.3	599.3	589.7	554.0	502.1	480.1	492.2	526.1	565.7	586.2	590.4
55°	662.9	660.1	656.2	617.3	564.3	538.8	550.8	589.4	625.8	643.5	643.8
57.5°	731.9	729.0	728.3	693.3	632.9	599.6	613.4	649.8	691.2	702.9	706.4
60°	798.7	803.6	800.8	770.1	701.8	664.3	679.9	718.1	758.0	768.6	772.2
62.5°	871.5	874.0	881.8	844.3	770.8	730.8	746.4	780.3	821.0	829.8	831.2
65°	934.5	936.9	947.2	911.8	828.4	786.3	804.0	839.7	880.4	888.1	883.6
67.5°	971.9	977.6	993.2	959.6	873.7	827.3	845.4	879.0	914.3	921.4	915.4
68°	977.6	982.2	996.7	966.3	879.3	832.3	851.4	884.6	920.7	926.3	921.7
70°	973.7	979.0	997.0	970.2	889.6	844.7	862.7	891.0	924.2	926.3	923.1
72.5°	920.0	929.5	947.2	937.6	872.2	831.6	846.8	864.1	887.1	886.7	882.8
75°	817.1	812.8	849.3	853.9	810.7	787.4	794.8	795.2	799.8	793.4	780.7
77.5°	653.4	663.3	698.6	729.4	714.9	705.7	707.1	686.3	677.1	649.8	641.4
80°	476.6	484.4	522.2	568.9	589.7	600.3	588.3	549.1	516.9	489.0	479.4
82.5°	325.3	328.1	372.7	417.6	459.3	472.0	461.4	408.0	363.5	333.8	320.7
85°	200.1	204.7	236.5	281.1	330.2	359.2	334.5	281.1	236.2	212.8	207.5
87.5°	117.7	124.8	146.0	179.6	226.6	251.4	231.9	185.6	149.6	132.6	126.2
90°	73.5	77.8	91.2	115.6	152.0	170.1	157.0	120.6	96.5	82.0	77.4
92.5°	51.3	52.7	61.9	77.4	103.6	116.0	105.0	82.7	66.1	55.2	53.4
95°	38.2	39.2	44.9	54.8	71.4	81.0	73.5	58.3	47.0	39.6	38.5
97.5°	30.1	30.8	35.4	41.7	52.3	59.0	54.4	44.5	36.4	30.4	29.3
100°	23.3	24.0	28.3	33.2	41.0	44.5	41.7	35.0	28.6	23.3	22.6
102.5°	18.4	18.7	22.6	27.2	32.9	35.4	33.2	28.3	22.6	18.0	17.7
105°	14.5	14.8	18.4	22.6	27.2	29.0	27.6	23.3	18.0	13.8	13.4
107.5°	11.3	11.7	14.5	18.7	22.6	24.0	22.6	19.1	14.1	11.0	10.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	9.2	9.2	12.0	15.6	19.1	20.2	19.1	15.6	11.3	8.8	8.5
112.5°	7.8	7.8	9.9	13.1	15.9	17.3	15.9	12.7	9.2	7.1	7.1
115°	6.4	6.7	8.1	11.0	13.4	14.5	13.4	10.6	7.8	6.0	6.0
117.5°	5.7	6.0	7.1	9.2	11.7	12.4	11.3	8.8	6.4	5.3	5.3
120°	5.3	5.3	6.0	7.8	9.9	10.6	9.5	7.8	5.7	4.9	4.9
122.5°	4.9	4.9	5.3	6.7	8.5	9.2	8.1	6.4	4.9	4.6	4.2
125°	4.6	4.6	4.9	6.0	7.4	7.8	7.1	5.7	4.2	3.9	3.9
127.5°	4.2	4.2	4.6	5.3	6.4	6.7	6.4	4.9	3.9	3.9	3.9
130°	3.9	3.9	4.2	4.6	5.7	6.0	5.3	4.2	3.5	3.5	3.5
132.5°	3.5	3.5	3.5	4.2	4.9	4.9	4.6	3.9	3.5	3.2	3.2
135°	3.5	3.5	3.5	3.5	4.2	4.6	3.9	3.5	3.2	3.2	3.2
137.5°	3.2	3.2	3.2	3.2	3.5	3.9	3.5	3.2	2.8	2.8	2.8
140°	2.8	2.8	2.8	2.8	3.2	3.2	3.2	2.5	2.5	2.5	2.5
142.5°	2.5	2.5	2.5	2.5	2.5	2.8	2.5	2.1	2.1	2.1	2.1
145°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
147.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
150°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
152.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
155°	0.7	0.7	0.7	0.7	1.1	0.7	1.1	0.7	0.7	0.7	0.7
157.5°	0.4	0.4	0.7	0.7	0.7	1.1	0.7	0.7	0.4	0.4	0.4
160°	0.0	0.4	0.4	0.4	0.7	0.7	0.7	0.4	0.4	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)