

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: P414452

Luminaire Tested: **LXF.LXT-PA1-20-830-U-5WQ-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414452
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-PA1-20-830-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 260mA 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: 2188 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 - U2 - G2

Input Watts (W): 21
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

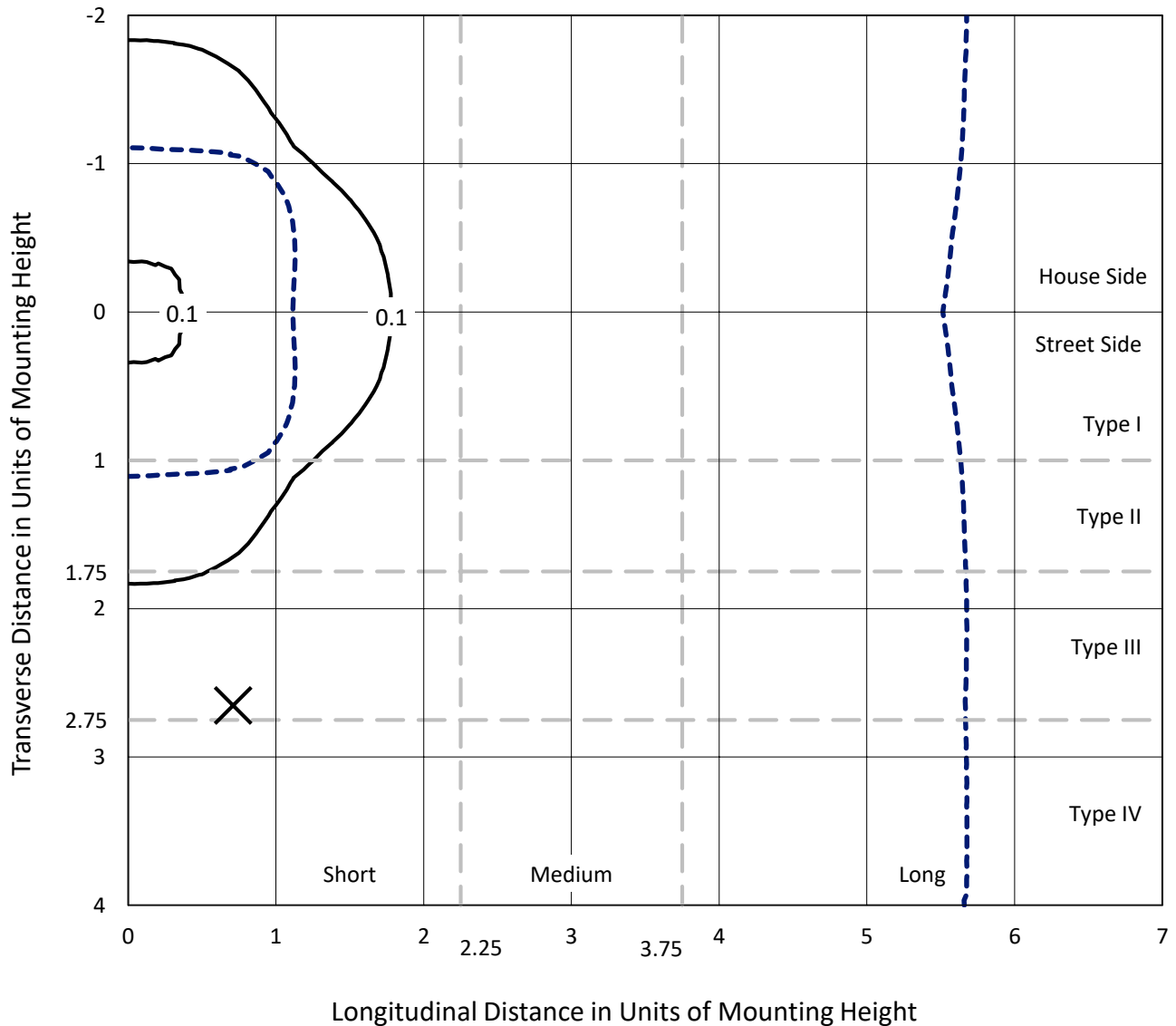


REPORT NUMBER: P414452

CATALOG NUMBER: LXF.LXT-PA1-20-830-U-5WQ-TL

Iso-Footcandle Lines of Horizontal Illumination

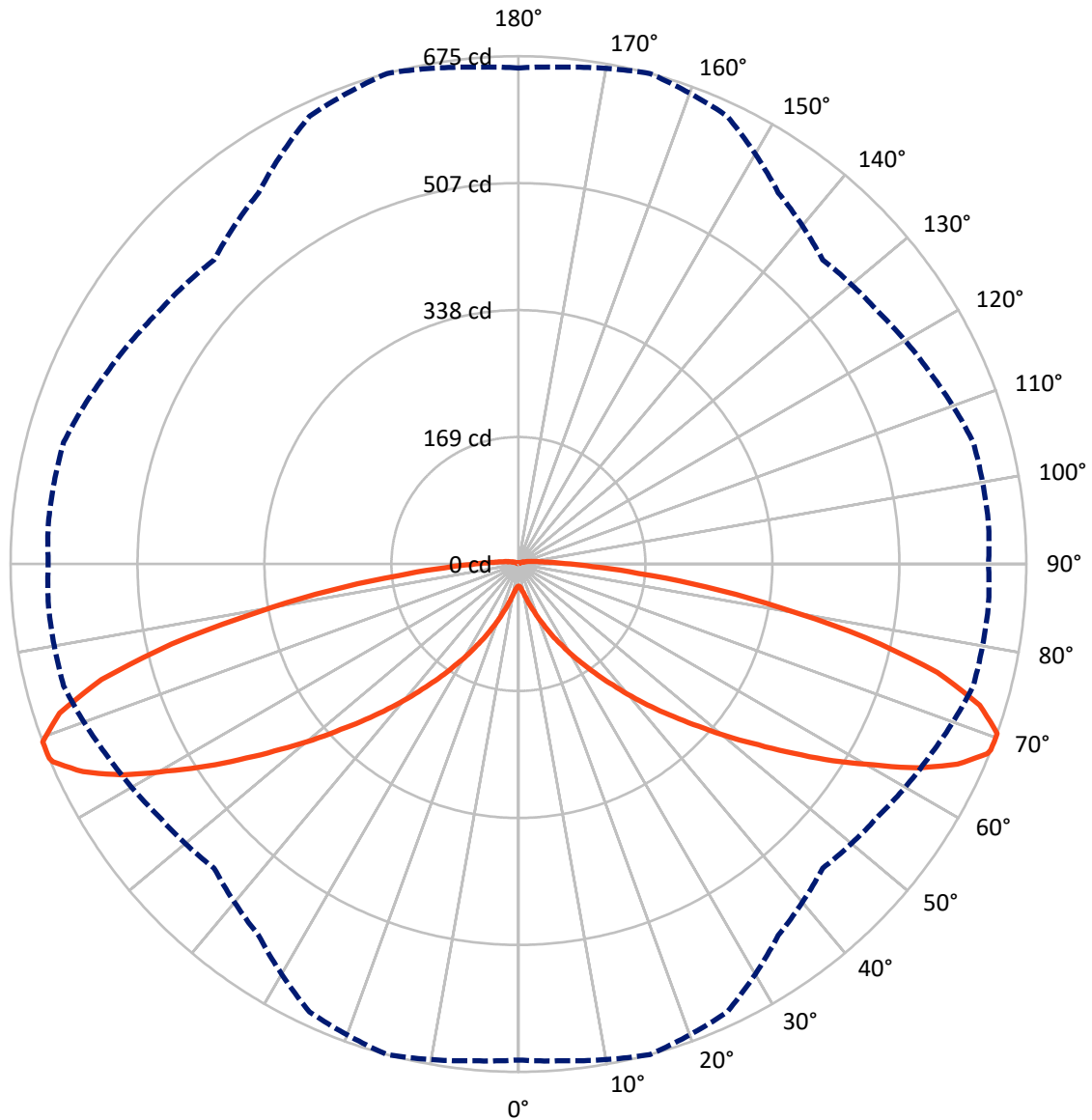
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.2 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P414452
CATALOG NUMBER: LXF.LXT-PA1-20-830-U-5WQ-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P414452

CATALOG NUMBER: LXF.LXT-PA1-20-830-U-5WQ-TL

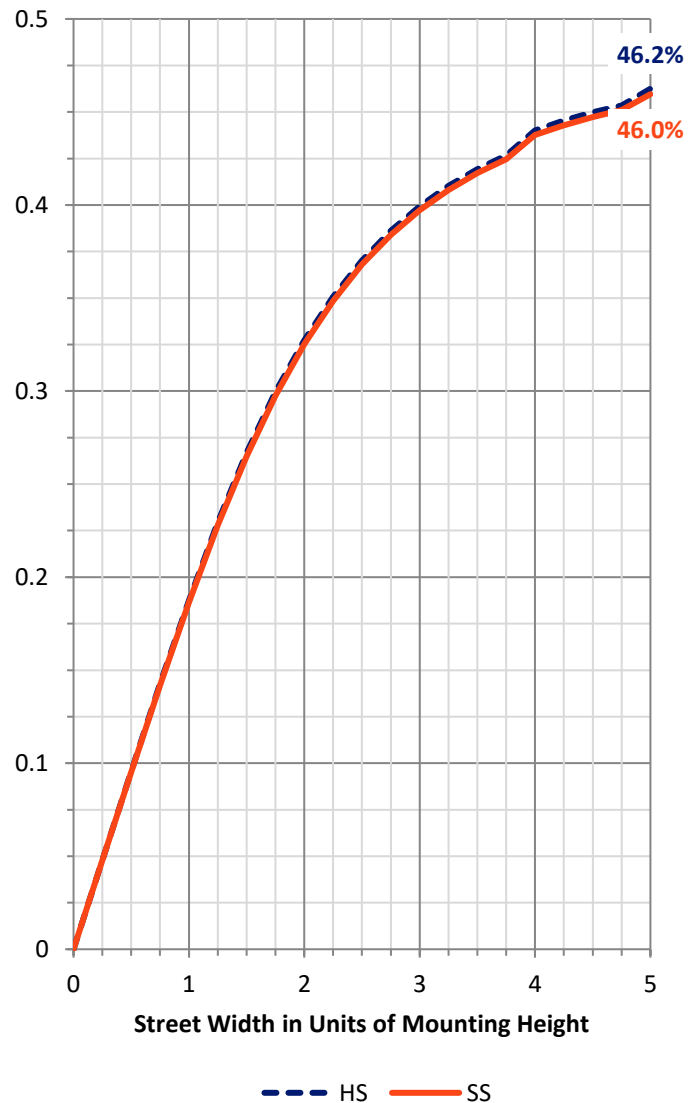
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1055.5	38.5	1094.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	1055.5	38.5	1094.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	2111.0	77.1	2188.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.3	0.1
10°-20°	15.8	0.7
20°-30°	47.5	2.2
30°-40°	109.3	5.0
40°-50°	210.1	9.6
50°-60°	371.5	17.0
60°-70°	575.7	26.3
70°-80°	558.7	25.5
80°-90°	219.1	10.0
90°-100°	47.2	2.2
100°-110°	16.1	0.7
110°-120°	7.1	0.3
120°-130°	3.6	0.2
130°-140°	1.9	0.1
140°-150°	0.9	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2111.0	96.5
0°-180°	2188.0	100.0



REPORT NUMBER: P414452

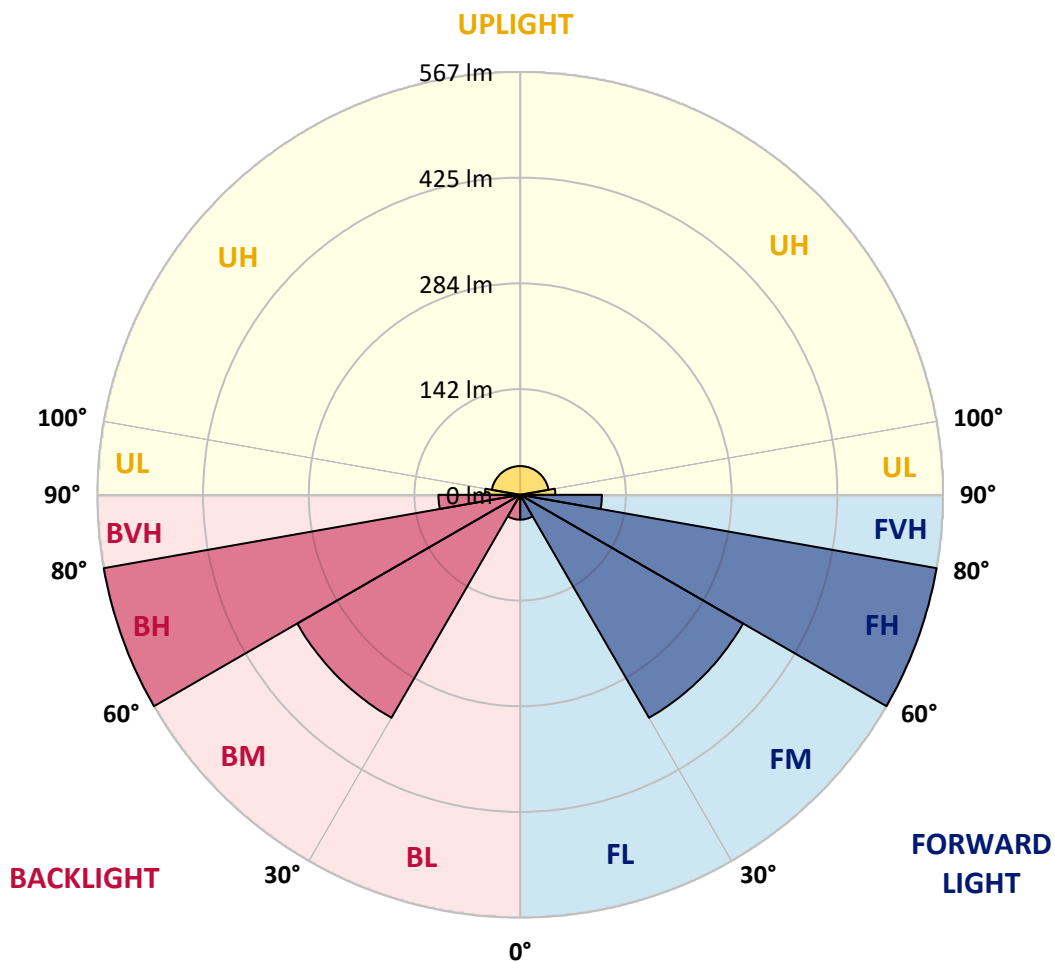
CATALOG NUMBER: LXF.LXT-PA1-20-830-U-5WQ-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	33.3	1.5			
FM	(30°-60°)	345.4	15.8			
FH	(60°-80°)	567.2	25.9			G0/660
FVH	(80°-90°)	109.6	5.0			G2/225
BL	(0°-30°)	33.3	1.5	B0/110		
BM	(30°-60°)	345.4	15.8	B1/1000		
BH	(60°-80°)	567.2	25.9	B2/1000		G0/660
BVH	(80°-90°)	109.6	5.0			G2/225
UL	(90°-100°)	47.2	2.2		U2/50	
UH	(100°-180°)	38.5	1.8		U2/50	

BUG Rating: B2-U2-G2

Type V Short





REPORT NUMBER: P414452

CATALOG NUMBER: LXF.LXT-PA1-20-830-U-5WQ-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
2.5°	29.9	29.9	29.9	30.2	30.2	30.4	30.2	29.9	29.9	29.7	29.7
5°	32.1	32.1	32.1	32.1	32.3	32.3	31.9	31.6	31.4	31.4	31.4
7.5°	35.4	35.4	35.7	35.4	35.4	35.2	34.7	34.2	34.2	34.0	34.0
10°	40.7	40.2	40.2	40.0	39.8	39.3	38.8	38.6	38.1	38.1	37.6
12.5°	47.9	47.7	46.9	46.2	45.3	44.5	44.1	43.8	43.8	43.8	44.3
15°	56.3	56.5	56.0	54.4	52.5	51.0	50.8	50.8	51.3	51.7	51.7
17.5°	67.3	66.8	65.6	63.7	61.3	59.9	58.9	59.6	60.8	61.6	62.0
20°	79.3	79.0	77.4	74.2	71.6	69.7	69.0	69.9	72.1	74.0	73.8
22.5°	93.2	92.9	90.3	86.2	82.6	80.5	79.8	81.7	86.2	88.6	89.1
25°	109.0	108.3	105.9	100.4	95.3	92.0	92.4	95.8	101.8	106.6	106.3
27.5°	126.9	126.0	121.4	115.2	108.5	105.1	106.1	111.6	119.8	125.3	126.0
30°	146.6	145.1	140.3	131.2	123.6	118.8	121.2	128.9	139.2	147.1	148.0
32.5°	165.5	167.2	159.0	149.9	139.4	133.2	136.3	146.8	159.5	170.5	171.5
35°	189.4	188.0	181.1	169.1	156.2	149.7	153.8	166.7	181.1	194.0	194.5
37.5°	215.1	213.6	204.5	189.9	174.8	167.2	172.4	186.3	204.8	217.7	220.6
40°	242.6	239.7	231.4	213.4	195.0	187.1	192.1	209.6	229.4	243.6	245.5
42.5°	269.7	268.0	259.4	238.8	217.7	207.6	215.1	232.3	255.3	269.2	271.6
45°	299.1	298.9	289.6	267.0	243.3	232.1	239.7	258.9	280.9	297.0	298.4
47.5°	330.3	330.5	322.4	299.9	271.1	258.4	265.8	287.4	313.3	327.6	329.1
50°	367.2	365.7	360.2	333.9	303.7	289.3	298.9	321.4	345.4	360.7	362.1
52.5°	406.0	406.0	399.5	375.3	340.1	325.2	333.4	356.4	383.2	397.1	400.0
55°	449.1	447.2	444.5	418.2	382.2	365.0	373.1	399.3	423.9	435.9	436.1
57.5°	495.8	493.9	493.4	469.7	428.7	406.2	415.5	440.2	468.2	476.1	478.5
60°	541.0	544.4	542.5	521.6	475.4	450.0	460.6	486.4	513.5	520.7	523.1
62.5°	590.4	592.0	597.3	571.9	522.1	495.1	505.6	528.6	556.1	562.1	563.1
65°	633.0	634.7	641.6	617.7	561.2	532.7	544.6	568.8	596.4	601.6	598.5
67.5°	658.4	662.2	672.8	650.0	591.8	560.4	572.7	595.4	619.4	624.1	620.1
68°	662.2	665.3	675.2	654.6	595.6	563.8	576.7	599.2	623.7	627.5	624.4
70°	659.6	663.2	675.4	657.2	602.6	572.2	584.4	603.5	626.1	627.5	625.3
72.5°	623.2	629.7	641.6	635.2	590.9	563.3	573.6	585.3	600.9	600.7	598.0
75°	553.5	550.6	575.3	578.4	549.2	533.4	538.4	538.6	541.8	537.4	528.8
77.5°	442.6	449.3	473.3	494.1	484.3	478.0	479.0	464.9	458.6	440.2	434.5
80°	322.8	328.1	353.7	385.4	399.5	406.7	398.5	371.9	350.2	331.2	324.8
82.5°	220.3	222.3	252.4	282.9	311.1	319.7	312.6	276.4	246.2	226.1	217.2
85°	135.6	138.7	160.2	190.4	223.7	243.3	226.6	190.4	160.0	144.2	140.6
87.5°	79.8	84.5	98.9	121.7	153.5	170.3	157.1	125.7	101.3	89.8	85.5
90°	49.8	52.7	61.8	78.3	103.0	115.2	106.3	81.7	65.4	55.6	52.5
92.5°	34.7	35.7	41.9	52.5	70.2	78.6	71.1	56.0	44.8	37.4	36.2
95°	25.9	26.6	30.4	37.1	48.4	54.8	49.8	39.5	31.9	26.8	26.1
97.5°	20.4	20.8	24.0	28.3	35.4	40.0	36.9	30.2	24.7	20.6	19.9
100°	15.8	16.3	19.2	22.5	27.8	30.2	28.3	23.7	19.4	15.8	15.3
102.5°	12.5	12.7	15.3	18.4	22.3	24.0	22.5	19.2	15.3	12.2	12.0
105°	9.8	10.1	12.5	15.3	18.4	19.6	18.7	15.8	12.2	9.3	9.1
107.5°	7.7	7.9	9.8	12.7	15.3	16.3	15.3	12.9	9.6	7.4	7.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	6.2	6.2	8.1	10.5	12.9	13.7	12.9	10.5	7.7	6.0	5.7
112.5°	5.3	5.3	6.7	8.9	10.8	11.7	10.8	8.6	6.2	4.8	4.8
115°	4.3	4.6	5.5	7.4	9.1	9.8	9.1	7.2	5.3	4.1	4.1
117.5°	3.8	4.1	4.8	6.2	7.9	8.4	7.7	6.0	4.3	3.6	3.6
120°	3.6	3.6	4.1	5.3	6.7	7.2	6.5	5.3	3.8	3.4	3.4
122.5°	3.4	3.4	3.6	4.6	5.7	6.2	5.5	4.3	3.4	3.1	2.9
125°	3.1	3.1	3.4	4.1	5.0	5.3	4.8	3.8	2.9	2.6	2.6
127.5°	2.9	2.9	3.1	3.6	4.3	4.6	4.3	3.4	2.6	2.6	2.6
130°	2.6	2.6	2.9	3.1	3.8	4.1	3.6	2.9	2.4	2.4	2.4
132.5°	2.4	2.4	2.4	2.9	3.4	3.4	3.1	2.6	2.4	2.2	2.2
135°	2.4	2.4	2.4	2.4	2.9	3.1	2.6	2.4	2.2	2.2	2.2
137.5°	2.2	2.2	2.2	2.2	2.4	2.6	2.4	2.2	1.9	1.9	1.9
140°	1.9	1.9	1.9	1.9	2.2	2.2	2.2	1.7	1.7	1.7	1.7
142.5°	1.7	1.7	1.7	1.7	1.7	1.9	1.7	1.4	1.4	1.4	1.4
145°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
150°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
152.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
155°	0.5	0.5	0.5	0.5	0.7	0.5	0.7	0.5	0.5	0.5	0.5
157.5°	0.2	0.2	0.5	0.5	0.5	0.7	0.5	0.5	0.2	0.2	0.2
160°	0.0	0.2	0.2	0.2	0.5	0.5	0.5	0.2	0.2	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)