

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: P254787

Luminaire Tested: **LXF.LXT-AF24-20-D-U-5WQ-FL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254787
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-28)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-20-D-U-5WQ-FL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 260mA 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: 2333.8 lumens
Efficiency: N/A
Efficacy: 111.1 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): 21
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

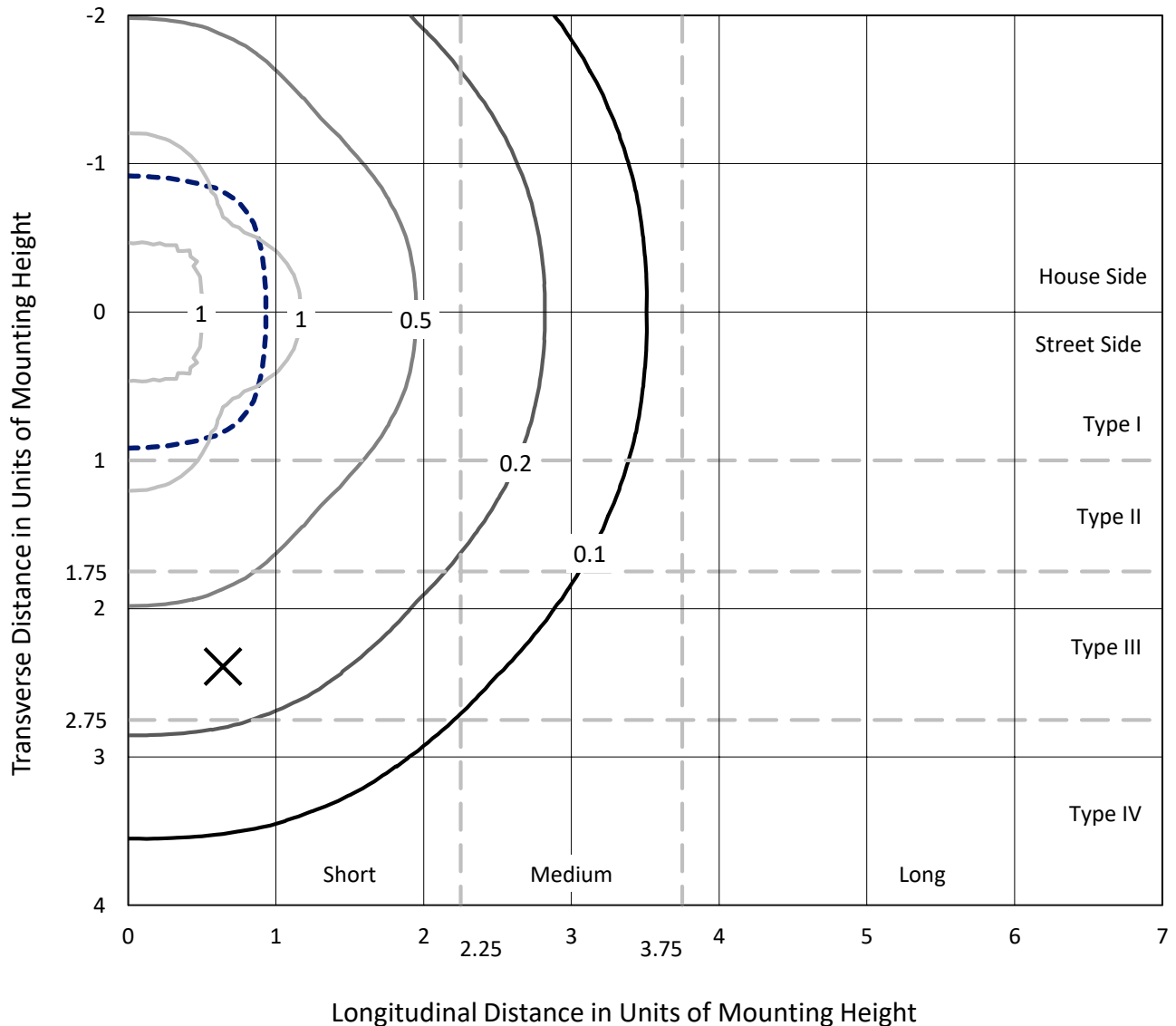


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

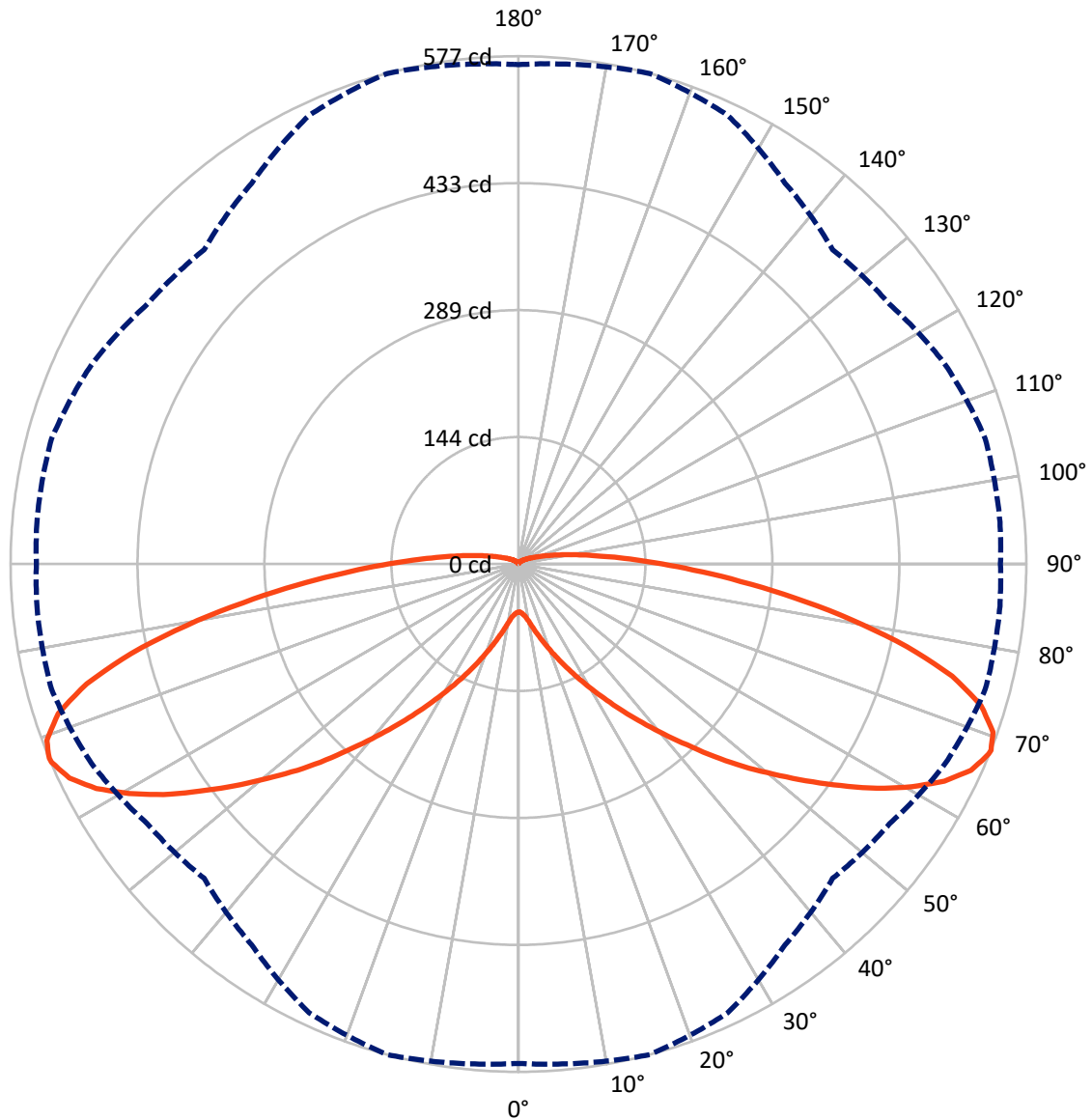


Based on 10 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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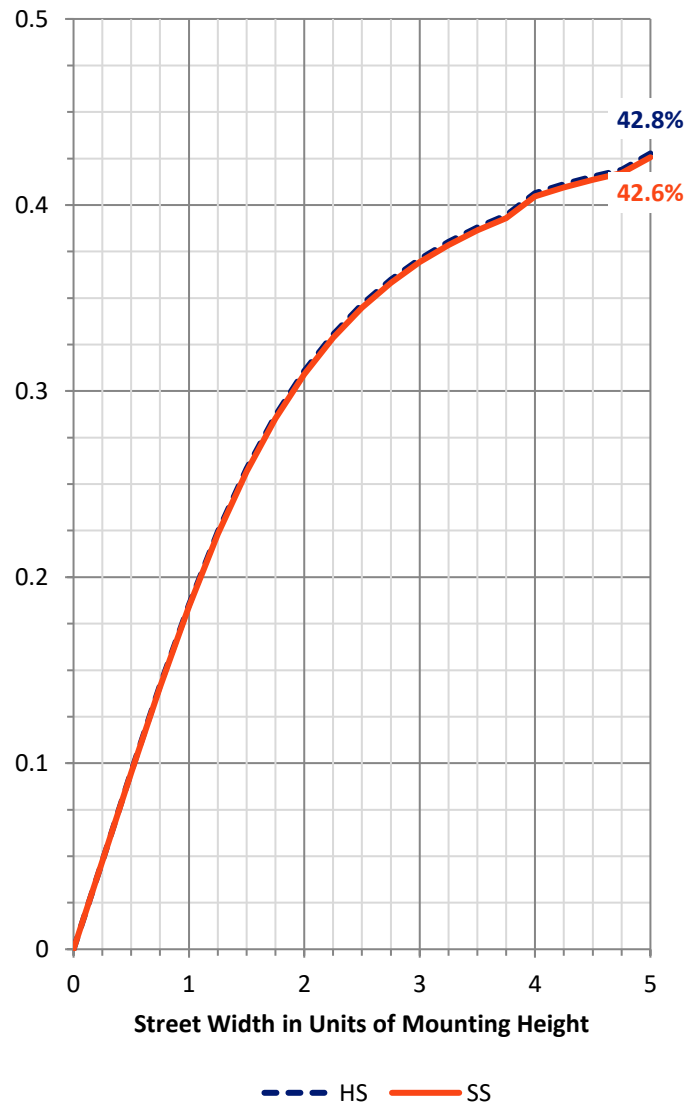
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1069.3	97.6	1166.9
	% Fixture	45.8	4.2	50.0
Street Side	Lumens	1069.3	97.6	1166.9
	% Fixture	45.8	4.2	50.0
Total	Lumens	2138.6	195.2	2333.8
	% Fixture	91.6	8.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.2
10°-20°	23.9	1.0
20°-30°	61.0	2.6
30°-40°	126.7	5.4
40°-50°	231.3	9.9
50°-60°	377.8	16.2
60°-70°	521.2	22.3
70°-80°	503.6	21.6
80°-90°	287.4	12.3
90°-100°	115.7	5.0
100°-110°	45.4	1.9
110°-120°	19.7	0.8
120°-130°	9.0	0.4
130°-140°	3.9	0.2
140°-150°	1.3	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2138.6	91.6
0°-180°	2333.8	100.0



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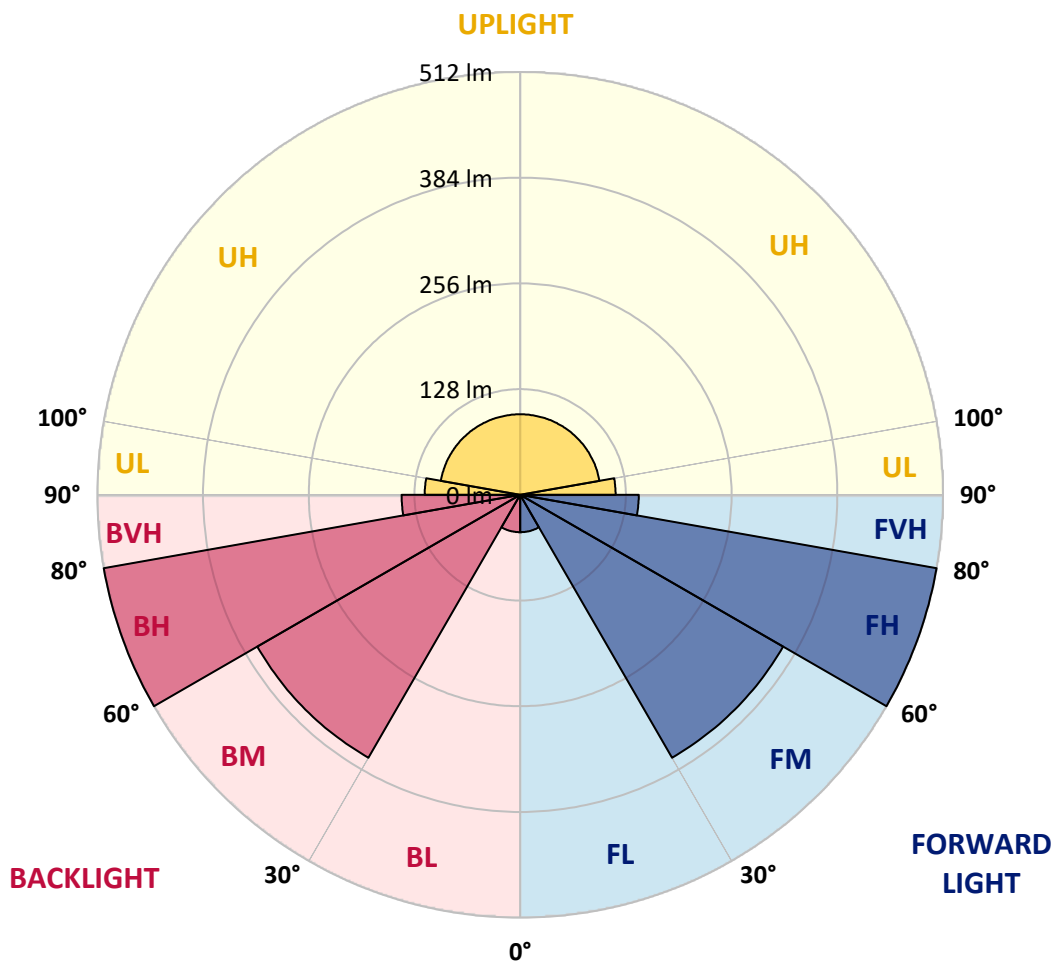
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	45.3	1.9			
FM (30°-60°)	367.9	15.8			
FH (60°-80°)	512.4	22.0			G0/660
FVH (80°-90°)	143.7	6.2			G2/225
BL (0°-30°)	45.3	1.9	B0/110		
BM (30°-60°)	367.9	15.8	B1/1000		
BH (60°-80°)	512.4	22.0	B2/1000		G0/660
BVH (80°-90°)	143.7	6.2			G2/225
UL (90°-100°)	115.7	5.0		U3/500	
UH (100°-180°)	97.6	4.2		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°	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
2.5°	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	54.9	54.9	54.9
5°	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.2	57.2	57.2	57.2
7.5°	60.8	60.8	60.8	60.8	60.8	60.6	60.6	60.6	60.3	60.3	60.1
10°	66.7	66.7	66.7	66.4	66.2	65.9	65.9	65.7	65.3	65.3	65.1
12.5°	74.6	74.6	74.6	73.1	72.8	72.3	72.3	72.3	72.5	72.5	72.8
15°	83.8	83.8	83.8	82.2	81.2	79.8	80.3	80.7	81.2	81.2	81.4
17.5°	94.5	94.5	94.0	92.4	90.8	89.9	89.4	90.2	90.8	91.2	91.2
20°	106.2	106.2	105.4	103.2	101.7	101.2	100.6	100.6	101.9	102.4	101.9
22.5°	119.5	119.1	118.5	115.9	114.2	112.9	112.9	112.6	114.2	115.3	115.0
25°	134.8	134.3	132.6	129.7	127.9	126.2	125.9	125.9	128.6	130.2	130.0
27.5°	151.4	150.6	148.4	145.2	142.2	140.1	140.4	141.5	143.9	146.9	146.9
30°	169.5	169.0	165.5	162.2	157.5	154.8	155.3	158.3	161.4	164.7	165.0
32.5°	189.4	188.5	184.4	180.2	174.3	170.8	171.9	175.4	180.2	184.9	185.2
35°	211.6	210.6	205.7	200.0	192.4	187.9	189.4	194.8	201.2	206.8	207.1
37.5°	235.7	234.1	228.3	222.1	212.0	206.6	209.2	216.3	223.7	230.1	230.9
40°	260.2	260.2	253.8	245.5	233.3	226.8	229.8	239.2	248.8	254.6	256.0
42.5°	287.7	288.0	280.8	270.9	256.5	249.0	252.5	263.5	275.3	281.6	282.9
45°	316.6	317.4	312.1	298.2	281.6	272.5	276.5	290.4	303.5	310.2	311.2
47.5°	347.6	348.5	343.5	327.4	308.5	298.8	302.9	318.7	333.9	340.4	341.3
50°	380.3	381.1	375.0	359.3	337.9	325.9	331.3	348.9	364.6	371.1	372.6
52.5°	414.2	415.0	409.1	393.5	368.6	355.2	361.6	380.1	397.7	403.2	403.6
55°	448.4	449.5	444.3	427.3	400.7	385.3	392.6	412.1	431.0	436.4	438.0
57.5°	482.1	483.2	481.0	461.7	433.2	415.8	424.2	445.4	464.2	468.4	468.7
60°	513.5	515.3	513.7	494.8	464.0	444.9	453.8	476.2	494.8	498.3	498.9
62.5°	541.3	542.4	543.1	526.1	491.1	470.6	480.4	503.6	521.8	523.9	523.7
65°	560.3	562.3	565.0	548.5	513.3	491.1	501.3	523.9	540.8	542.4	541.3
67.5°	567.4	570.4	576.3	561.6	526.8	503.6	513.5	534.6	549.0	549.8	547.9
68°	567.4	570.2	577.0	562.5	528.2	505.0	514.6	535.4	549.2	549.2	547.7
70°	559.2	562.9	572.0	561.0	528.5	506.1	514.3	532.2	543.9	541.8	539.4
72.5°	532.9	537.2	549.6	542.9	516.1	496.1	502.0	515.1	520.5	516.1	513.7
75°	487.7	492.2	508.9	507.9	488.9	472.4	476.0	481.8	481.8	473.7	469.5
77.5°	430.5	434.8	451.4	458.1	448.9	436.6	436.6	435.3	428.7	415.3	411.6
80°	362.7	366.4	384.0	398.2	396.6	389.7	386.4	377.9	366.2	351.5	346.2
82.5°	294.9	299.0	316.0	330.4	339.8	337.1	331.5	318.2	300.8	284.5	281.4
85°	233.9	235.1	253.1	271.4	282.1	283.2	277.3	260.2	242.3	226.3	222.6
87.5°	182.3	184.2	198.9	217.5	230.6	231.6	225.8	208.4	191.1	176.7	173.5
90°	140.1	143.0	154.8	171.6	184.2	186.9	181.0	165.5	149.2	136.1	133.4
92.5°	108.0	110.0	120.4	134.8	146.3	149.6	144.4	130.8	116.7	105.1	104.2
95°	84.9	85.4	93.6	106.0	115.6	120.0	115.0	103.6	91.2	82.0	80.9
97.5°	65.7	66.7	73.4	83.8	92.7	95.6	91.8	82.2	72.1	63.3	62.5
100°	51.1	51.8	57.7	66.9	74.2	76.9	74.0	65.9	56.6	49.6	49.6
102.5°	40.5	40.9	45.7	53.4	59.2	61.6	59.5	52.9	44.8	39.3	39.6
105°	32.6	32.6	36.3	43.2	48.8	50.5	48.6	42.7	35.7	31.4	31.4
107.5°	26.1	26.4	29.4	35.2	40.3	41.9	40.3	35.0	28.9	25.6	25.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	21.7	21.7	23.7	28.9	33.4	35.0	33.4	28.5	23.5	20.9	20.9
112.5°	17.9	17.9	19.4	23.7	27.8	29.4	27.8	23.5	19.2	17.4	17.4
115°	15.2	15.2	16.3	19.7	23.3	24.6	23.3	19.7	16.1	15.0	15.0
117.5°	13.1	13.1	13.8	16.5	19.4	20.9	19.4	16.3	13.6	12.8	12.8
120°	11.5	11.5	11.7	13.6	16.3	17.4	16.3	13.6	11.5	10.9	10.9
122.5°	9.9	9.9	9.9	11.5	13.6	14.4	13.3	11.5	9.9	9.7	9.7
125°	8.8	8.5	8.8	9.7	11.3	12.2	11.3	9.7	8.5	8.5	8.5
127.5°	7.7	7.7	7.4	7.9	9.3	9.9	9.3	7.9	7.4	7.4	7.4
130°	6.7	6.7	6.7	7.0	7.4	7.9	7.7	7.0	6.7	6.7	6.7
132.5°	5.9	5.9	5.6	5.9	6.1	6.4	6.1	5.6	5.6	5.9	5.9
135°	5.0	5.0	5.0	4.8	4.8	5.0	4.8	4.8	5.0	5.0	5.0
137.5°	4.6	4.6	4.3	4.1	3.8	3.8	3.8	4.1	4.3	4.3	4.6
140°	3.8	3.8	3.5	3.2	2.9	2.9	2.9	3.2	3.5	3.8	3.8
142.5°	3.2	3.2	2.9	2.4	2.1	1.8	2.1	2.4	2.6	2.9	2.9
145°	2.4	2.4	2.1	1.8	1.6	1.3	1.3	1.8	2.1	2.4	2.4
147.5°	1.8	1.8	1.6	1.3	1.1	0.8	0.8	1.3	1.6	1.8	1.8
150°	1.3	1.3	1.1	0.8	0.5	0.5	0.5	0.8	1.1	1.1	1.3
152.5°	0.8	0.8	0.5	0.5	0.2	0.2	0.2	0.5	0.5	0.8	0.8
155°	0.2	0.5	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.5	0.5
157.5°	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)