

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: P265996

Luminaire Tested: **LXF.LXT-AF24-20-D-U-5WQ-CL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P265996
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-23)
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-CL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2130.7 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U2 - G1

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

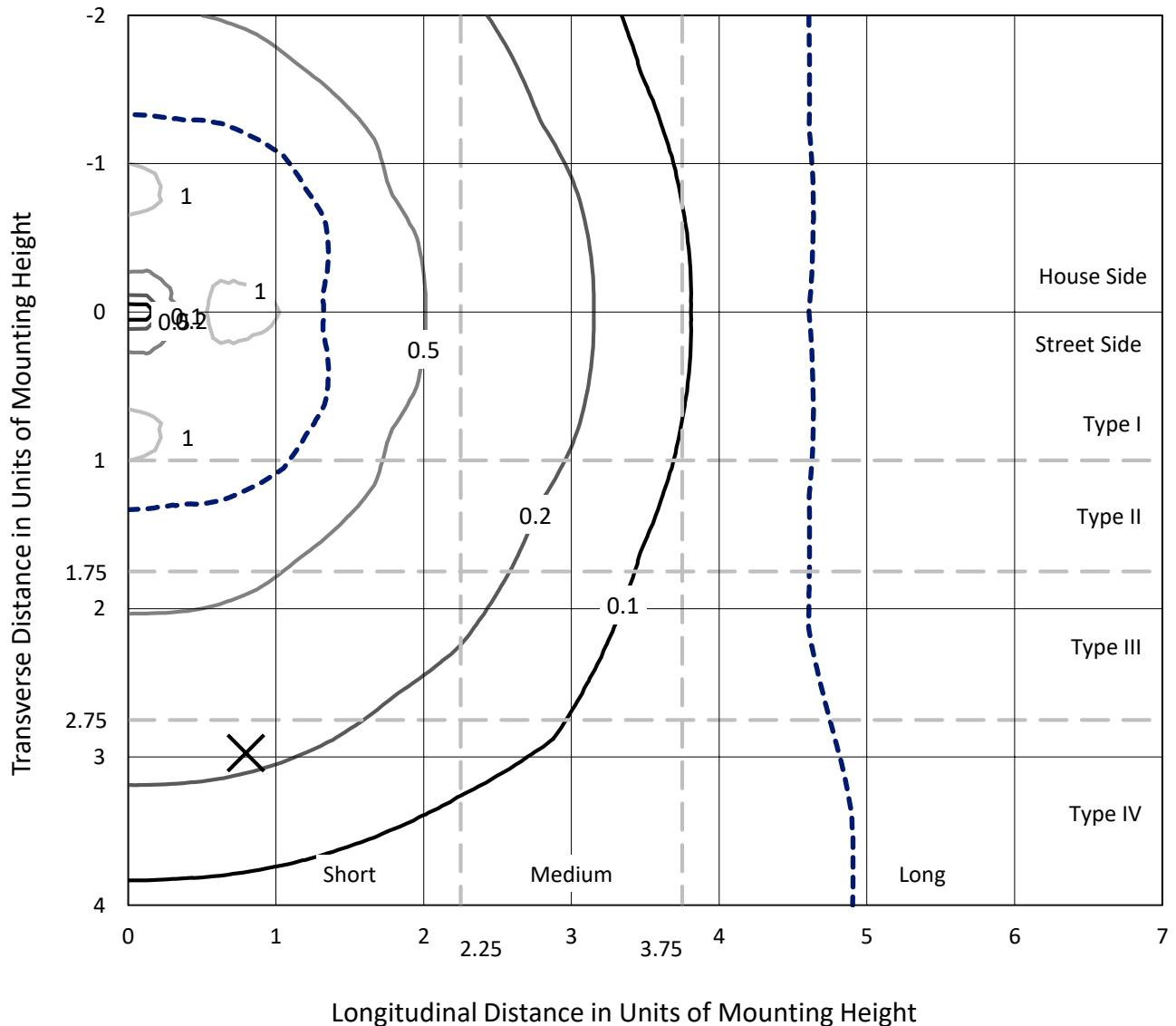


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

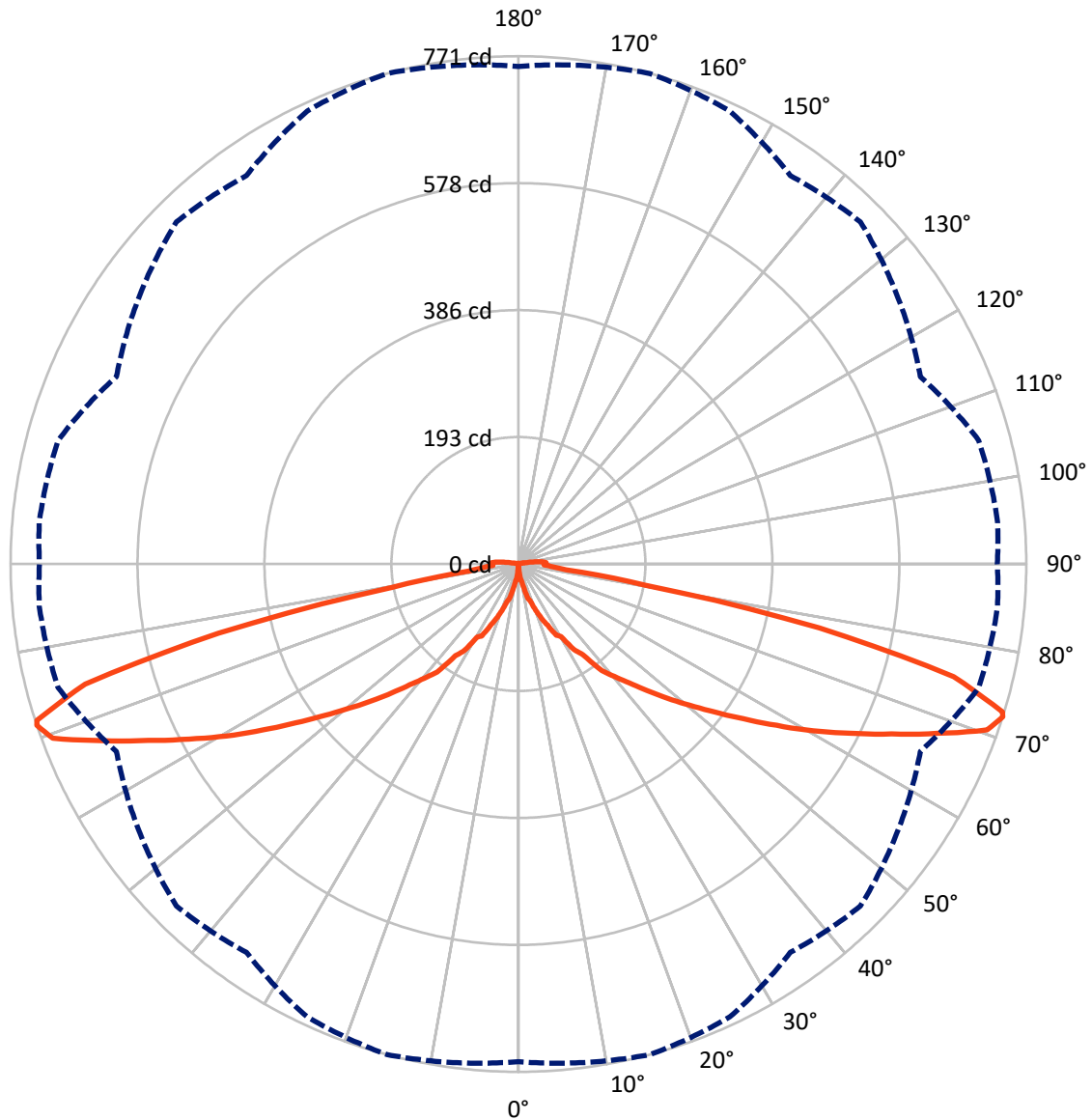


Based on 10 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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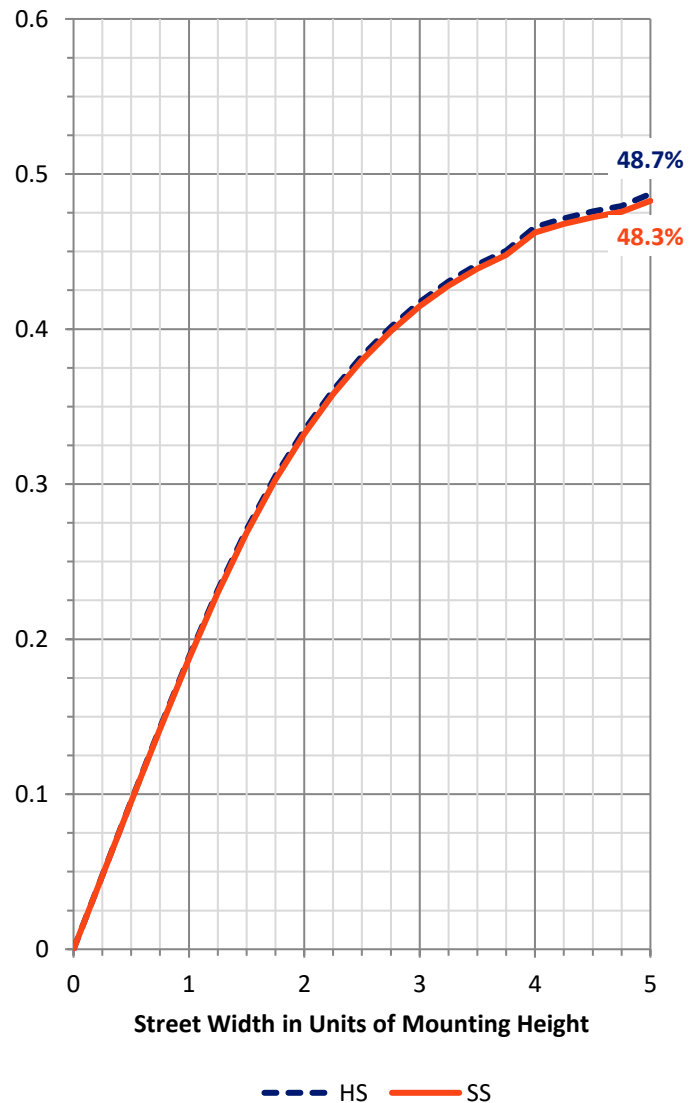
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1041.4	24.0	1065.3
	% Fixture	48.9	1.1	50.0
Street Side	Lumens	1041.4	24.0	1065.3
	% Fixture	48.9	1.1	50.0
Total	Lumens	2082.7	48.0	2130.7
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.9	0.0
10°-20°	12.8	0.6
20°-30°	48.2	2.3
30°-40°	109.0	5.1
40°-50°	198.1	9.3
50°-60°	355.2	16.7
60°-70°	600.4	28.2
70°-80°	645.0	30.3
80°-90°	113.1	5.3
90°-100°	39.3	1.8
100°-110°	5.2	0.2
110°-120°	1.5	0.1
120°-130°	0.9	0.0
130°-140°	0.5	0.0
140°-150°	0.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2082.7	97.7
0°-180°	2130.7	100.0



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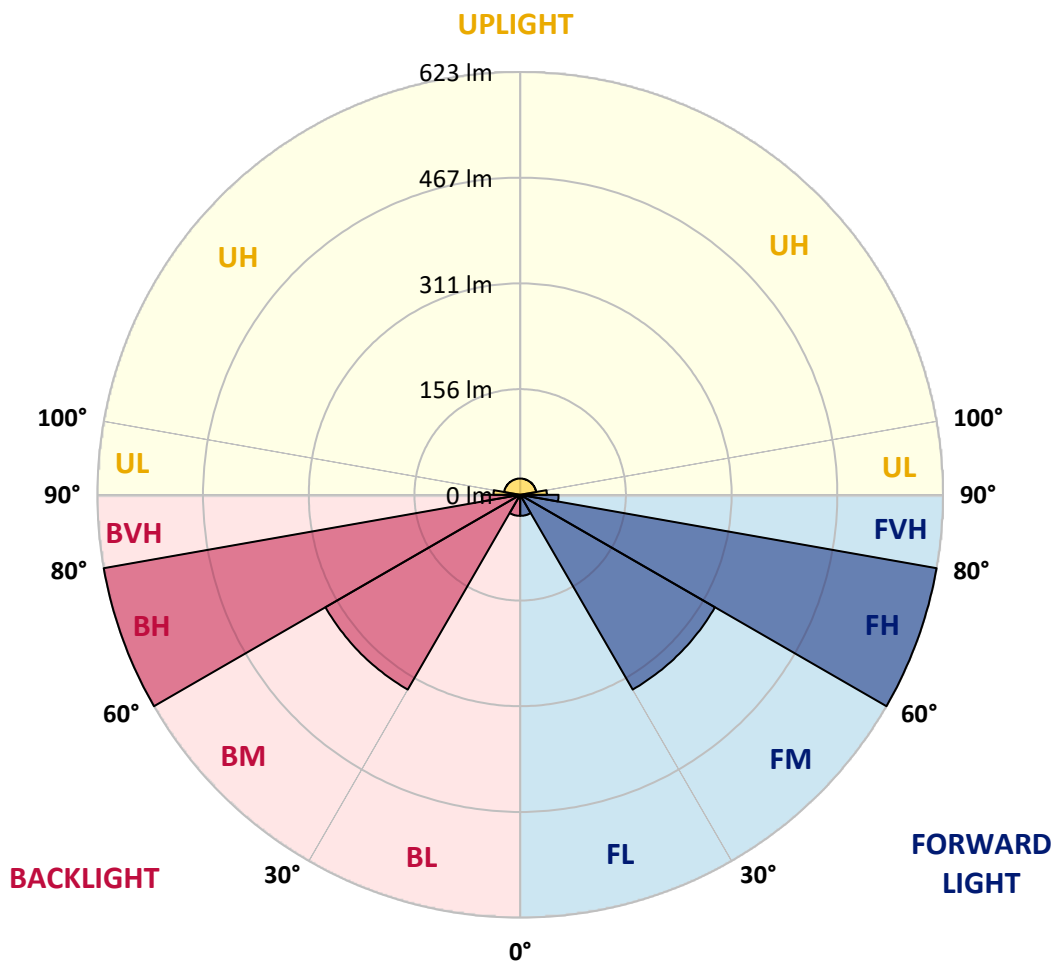
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	31.0	1.5			
FM	(30°-60°)	331.2	15.5			
FH	(60°-80°)	622.7	29.2			G0/660
FVH	(80°-90°)	56.5	2.7			G1/100
BL	(0°-30°)	31.0	1.5	B0/110		
BM	(30°-60°)	331.2	15.5	B1/1000		
BH	(60°-80°)	622.7	29.2	B2/1000		G0/660
BVH	(80°-90°)	56.5	2.7			G1/100
UL	(90°-100°)	39.3	1.8		U2/50	
UH	(100°-180°)	24.0	1.1		U2/50	

BUG Rating: B2-U2-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	1.9	1.9	1.9	1.6	1.6	1.6	1.6	1.4	1.6	1.6	1.6
5°	10.8	11.3	10.2	9.8	4.5	3.7	2.2	1.6	1.6	1.6	1.6
7.5°	24.3	24.3	23.4	21.1	15.6	12.9	7.1	2.6	1.9	1.6	1.6
10°	27.8	27.3	26.1	26.1	25.2	23.0	13.7	6.5	2.9	2.6	2.6
12.5°	42.2	42.2	38.5	35.6	28.0	25.4	21.6	15.4	15.8	25.4	29.0
15°	56.4	56.4	54.2	50.3	40.1	29.7	38.8	45.5	38.5	41.5	41.7
17.5°	62.6	62.3	59.5	56.1	51.8	57.0	54.0	52.3	45.5	45.9	46.7
20°	86.7	85.9	75.1	68.8	60.5	73.1	64.3	60.1	77.0	82.7	84.6
22.5°	92.7	92.0	89.2	83.5	87.2	78.4	79.1	87.0	88.5	91.4	92.0
25°	109.9	109.6	102.9	92.5	100.5	89.7	101.9	93.1	98.8	115.2	121.4
27.5°	125.5	125.0	122.4	110.9	106.0	116.3	108.7	120.8	133.6	137.1	140.0
30°	140.4	139.7	127.6	129.3	118.1	123.2	132.3	134.4	139.2	148.7	149.1
32.5°	164.7	163.0	154.9	143.9	140.8	132.0	142.2	142.7	176.0	193.2	197.3
35°	189.0	187.2	169.1	164.0	153.3	156.6	152.3	174.0	187.7	204.1	206.9
37.5°	220.5	218.8	205.3	181.5	170.9	166.1	177.1	186.0	197.7	219.6	219.4
40°	237.8	237.2	224.7	205.9	188.3	182.6	188.5	196.4	214.5	234.3	236.4
42.5°	258.4	256.7	246.9	225.1	210.3	201.8	200.7	216.2	235.6	256.6	257.1
45°	283.3	281.0	274.1	245.2	230.7	223.9	223.7	239.9	262.6	283.3	285.8
47.5°	311.4	309.2	304.7	271.2	257.1	248.4	254.0	264.2	287.2	312.2	314.8
50°	341.6	340.5	336.7	304.4	292.8	278.8	285.0	291.5	319.1	343.2	343.8
52.5°	374.1	374.8	373.1	341.9	328.9	318.9	325.8	324.6	351.4	379.3	378.5
55°	414.6	414.6	415.2	389.9	377.1	359.6	371.5	368.8	393.2	417.9	417.2
57.5°	460.1	460.3	462.4	442.3	431.5	417.2	425.1	419.6	435.1	456.7	454.5
60°	505.8	507.8	514.5	505.8	492.0	479.8	490.7	463.2	482.1	502.1	498.9
62.5°	553.0	556.1	566.0	564.3	549.6	544.3	553.4	517.3	542.5	547.1	544.1
65°	607.8	608.5	622.6	623.3	601.1	611.3	608.2	568.2	603.8	599.6	599.1
67.5°	668.3	673.5	686.5	680.5	650.7	659.4	654.2	616.1	653.2	652.1	650.0
70°	742.8	745.0	755.2	733.1	690.4	702.2	688.1	655.9	707.1	715.7	713.6
72°	755.7	761.0	771.3	759.1	720.0	734.6	704.1	673.5	723.9	730.5	727.4
72.5°	752.3	756.6	768.6	758.3	723.6	739.3	706.1	673.0	719.5	726.5	722.5
75°	655.8	655.3	682.8	701.9	714.4	761.3	696.7	635.6	641.7	640.6	634.7
77.5°	417.4	430.4	467.3	530.3	623.2	708.3	617.3	509.2	456.2	425.3	412.1
80°	145.5	155.5	195.4	279.8	434.7	540.4	432.5	281.0	186.9	145.3	143.4
82.5°	57.9	66.1	72.9	96.6	203.6	316.3	202.1	104.6	83.9	75.7	73.3
85°	45.9	47.0	51.8	55.2	73.8	102.1	89.7	63.3	59.0	53.0	51.8
87.5°	40.2	41.2	38.8	39.7	51.6	57.3	56.4	40.8	36.4	40.1	38.5
90°	42.2	42.7	39.0	39.5	52.3	58.7	54.4	38.4	37.9	42.0	40.6
92.5°	45.0	45.9	42.0	42.2	54.0	60.8	54.6	38.1	41.2	45.0	43.7
95°	36.9	37.9	35.3	36.2	47.0	54.4	48.7	34.0	36.7	43.8	42.4
97.5°	21.7	22.7	22.5	28.7	30.9	34.0	31.6	23.4	22.5	24.8	23.3
100°	3.9	4.9	10.2	19.0	17.4	14.8	16.3	14.6	9.6	5.0	3.7
102.5°	3.7	3.9	7.5	10.3	7.5	5.3	7.1	8.7	5.5	3.4	3.4
105°	3.7	3.9	4.1	4.3	2.3	2.2	3.1	5.0	3.4	3.4	3.4
107.5°	3.4	3.4	2.2	1.9	1.9	2.2	1.9	2.2	2.3	3.1	3.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	2.9	2.9	1.9	1.6	1.6	1.9	1.6	1.9	1.9	2.3	2.3
112.5°	2.2	2.2	1.4	1.4	1.4	1.6	1.4	1.4	1.6	1.9	1.9
115°	2.2	2.2	1.4	1.2	1.2	1.4	1.2	1.2	1.4	1.9	1.9
117.5°	1.9	1.9	1.2	1.0	1.0	1.0	1.0	1.0	1.4	1.9	1.9
120°	1.9	1.9	1.2	1.0	1.0	0.7	1.0	1.0	1.2	1.9	1.9
122.5°	1.9	1.9	1.2	0.7	0.7	0.7	0.7	1.0	1.2	1.6	1.9
125°	1.9	1.6	1.2	0.7	0.7	0.7	0.7	0.7	1.2	1.6	1.6
127.5°	1.6	1.6	1.2	0.7	0.7	0.4	0.4	0.7	1.0	1.4	1.6
130°	1.6	1.6	1.2	0.7	0.7	0.4	0.4	0.4	1.0	1.4	1.4
132.5°	1.4	1.4	1.0	0.4	0.4	0.4	0.4	0.4	0.7	1.2	1.2
135°	1.2	1.2	1.0	0.4	0.4	0.4	0.4	0.4	0.4	1.0	1.0
137.5°	1.2	1.2	1.0	0.7	0.4	0.4	0.4	0.4	0.4	0.7	0.7
140°	1.2	1.2	1.0	0.7	0.4	0.4	0.4	0.4	0.7	0.7	0.7
142.5°	1.2	1.2	1.0	0.7	0.4	0.4	0.4	0.4	0.7	0.7	0.7
145°	1.2	1.2	1.0	0.7	0.4	0.4	0.4	0.7	0.7	1.0	1.0
147.5°	1.2	1.2	1.0	0.7	0.4	0.2	0.4	0.7	1.0	1.0	1.0
150°	1.2	1.2	1.0	0.4	0.2	0.0	0.2	0.4	0.7	1.0	1.0
152.5°	1.0	1.0	0.7	0.2	0.2	0.0	0.0	0.2	0.7	0.7	0.7
155°	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
157.5°	0.2	0.2	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)