

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: P266025

Luminaire Tested: **LXF.LXT-AF24-30-D-U-5WQ-CL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266025
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-AF24-30-D-U-5WQ-CL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA 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: 2990.5 lumens
Efficiency: N/A
Efficacy: 96.5 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 - U3 - G1

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

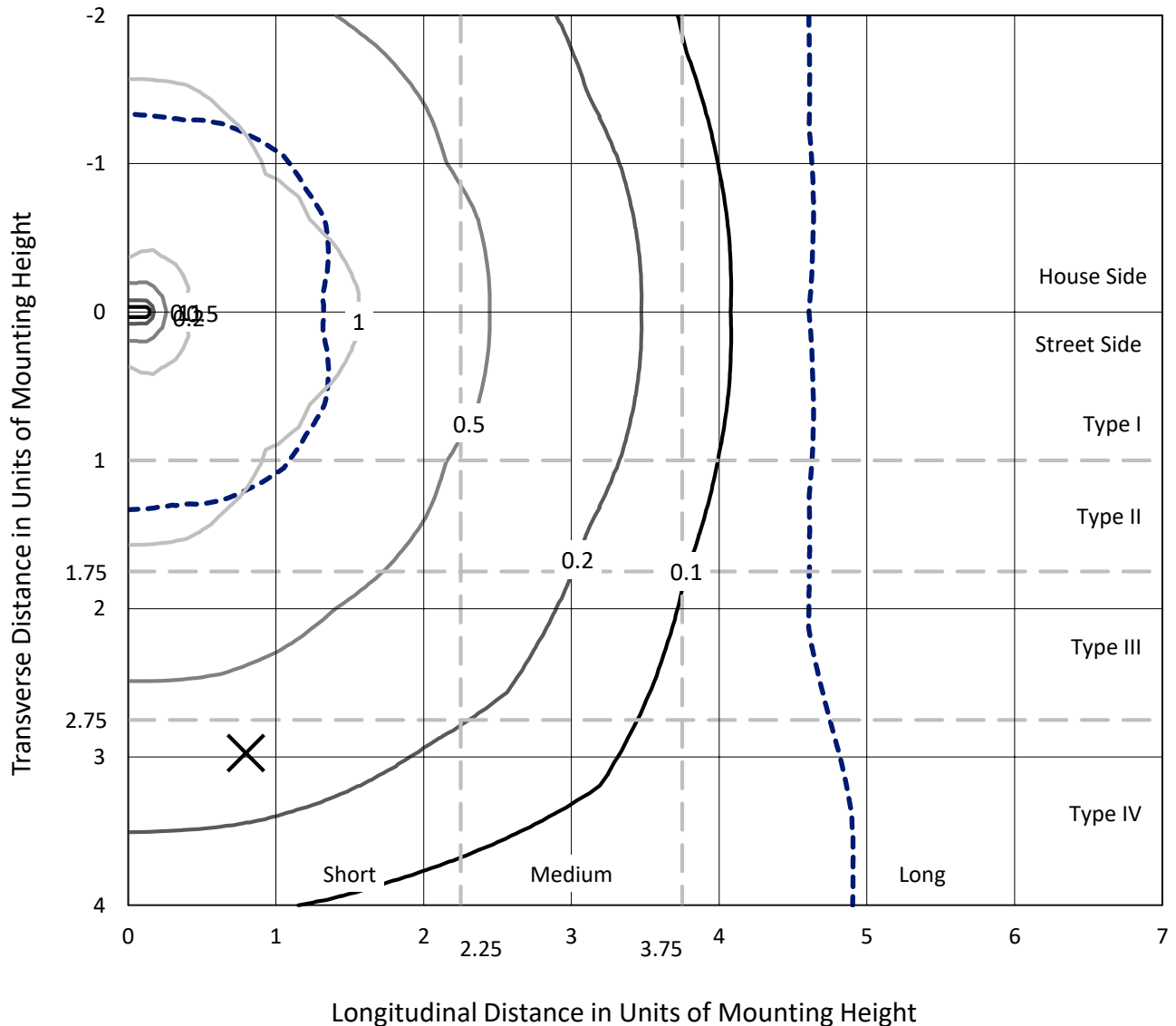


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

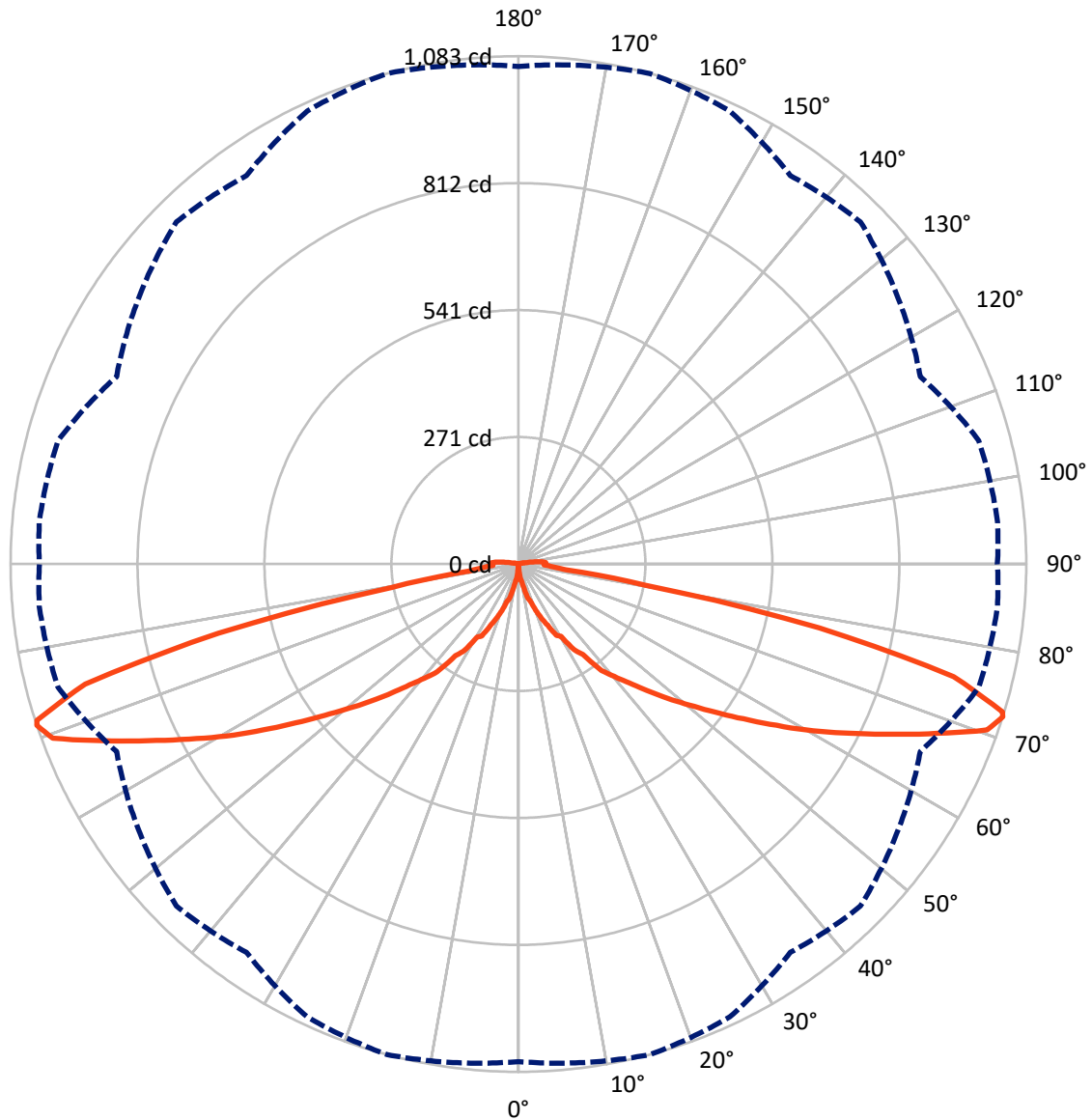


Based on 10 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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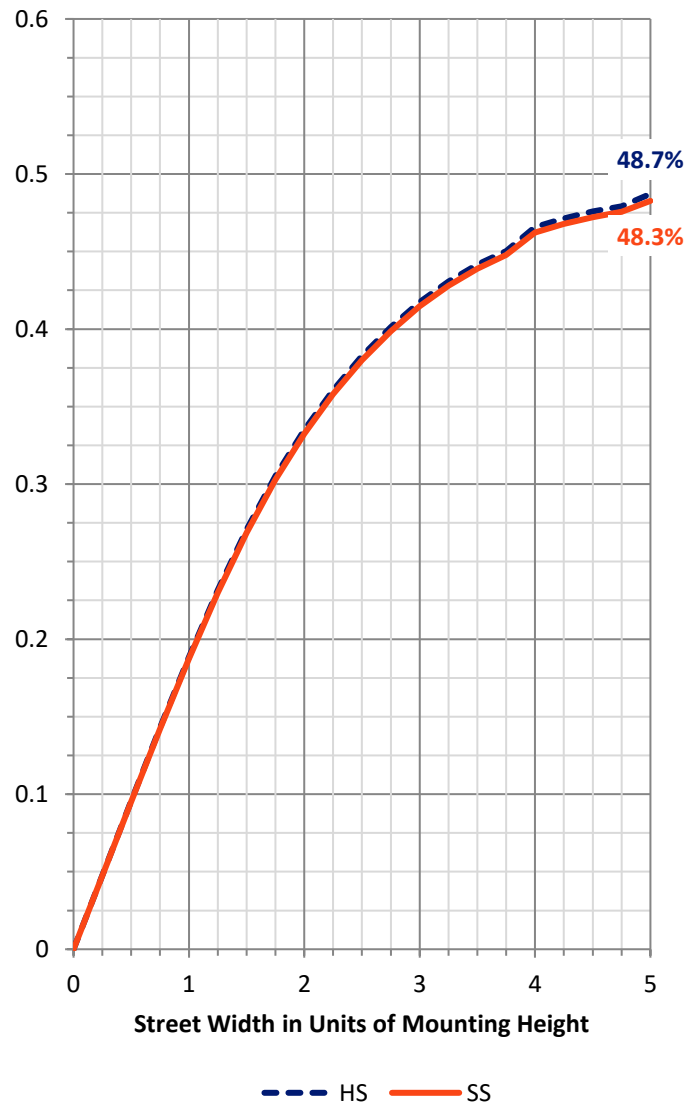
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1461.6	33.7	1495.3
	% Fixture	48.9	1.1	50.0
Street Side	Lumens	1461.6	33.7	1495.3
	% Fixture	48.9	1.1	50.0
Total	Lumens	2923.1	67.4	2990.5
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.0
10°-20°	18.0	0.6
20°-30°	67.7	2.3
30°-40°	153.0	5.1
40°-50°	278.0	9.3
50°-60°	498.5	16.7
60°-70°	842.6	28.2
70°-80°	905.2	30.3
80°-90°	158.7	5.3
90°-100°	55.2	1.8
100°-110°	7.3	0.2
110°-120°	2.1	0.1
120°-130°	1.3	0.0
130°-140°	0.8	0.0
140°-150°	0.6	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2923.1	97.7
0°-180°	2990.5	100.0



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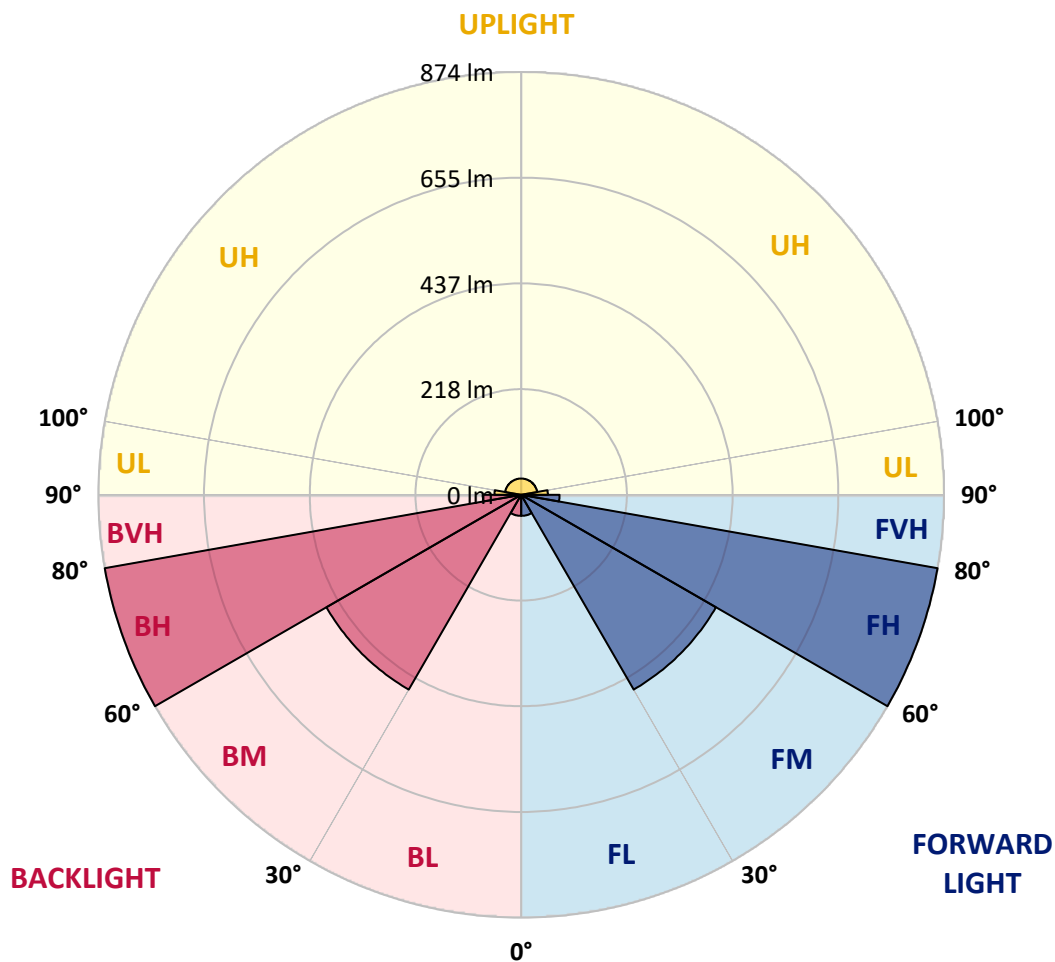
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	43.5	1.5			
FM (30°-60°)	464.8	15.5			
FH (60°-80°)	873.9	29.2			G1/1800
FVH (80°-90°)	79.4	2.7			G1/100
BL (0°-30°)	43.5	1.5	B0/110		
BM (30°-60°)	464.8	15.5	B1/1000		
BH (60°-80°)	873.9	29.2	B2/1000		G1/1800
BVH (80°-90°)	79.4	2.7			G1/100
UL (90°-100°)	55.2	1.8		U3/500	
UH (100°-180°)	33.7	1.1		U2/50	

BUG Rating: B2-U3-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	2.6	2.6	2.6	2.3	2.3	2.3	2.3	2.1	2.3	2.3	2.3
5°	15.1	15.8	14.2	13.8	6.4	5.0	3.1	2.3	2.3	2.3	2.3
7.5°	34.0	34.0	33.0	29.6	21.9	18.1	10.2	3.8	2.6	2.3	2.3
10°	39.0	38.4	36.7	36.7	35.4	32.2	19.1	9.2	4.0	3.8	3.8
12.5°	59.2	59.2	54.2	49.8	39.3	35.7	30.4	21.5	22.2	35.7	40.8
15°	79.1	79.1	76.0	70.6	56.2	41.7	54.4	63.9	54.2	58.2	58.6
17.5°	87.9	87.5	83.5	78.7	72.8	80.0	75.6	73.3	63.9	64.3	65.7
20°	121.8	120.5	105.3	96.6	84.8	102.6	90.2	84.5	108.1	116.2	118.8
22.5°	130.3	129.3	125.1	117.0	122.4	110.0	111.0	122.2	124.1	128.2	129.3
25°	154.1	153.8	144.4	129.8	140.9	125.9	143.0	130.6	138.7	161.5	170.3
27.5°	176.0	175.3	171.9	155.4	148.7	163.2	152.4	169.6	187.4	192.4	196.5
30°	197.2	196.2	179.0	181.4	165.8	173.0	185.7	188.7	195.6	208.6	209.2
32.5°	231.1	228.8	217.4	201.8	197.4	185.1	199.6	200.2	246.9	271.2	276.9
35°	265.2	262.8	237.2	230.1	215.1	219.7	213.6	244.2	263.5	286.4	290.4
37.5°	309.6	307.2	288.0	254.7	239.8	233.2	248.7	261.0	277.5	308.2	307.8
40°	333.8	332.8	315.2	289.1	264.1	256.3	264.6	275.6	301.1	328.8	331.7
42.5°	362.7	360.4	346.6	315.9	295.2	283.3	281.7	303.4	330.8	360.0	360.7
45°	397.7	394.4	384.7	344.2	323.7	314.2	314.0	336.9	368.5	397.7	401.2
47.5°	437.0	434.2	427.7	380.6	360.7	348.6	356.4	370.8	403.1	438.2	441.7
50°	479.4	477.8	472.4	427.4	410.9	391.3	400.0	409.2	447.9	481.5	482.5
52.5°	524.9	526.0	523.6	479.9	461.6	447.5	457.2	455.6	493.3	532.3	531.3
55°	581.8	581.8	582.8	547.2	529.3	504.8	521.6	517.6	551.9	586.6	585.4
57.5°	645.7	646.2	649.0	620.8	605.6	585.4	596.7	588.8	610.8	641.0	637.9
60°	710.0	712.6	722.1	710.0	690.4	673.3	688.8	650.2	676.8	704.6	700.3
62.5°	776.2	780.3	794.5	792.0	771.3	763.7	776.7	726.1	761.5	768.0	763.5
65°	853.0	854.0	874.0	874.9	843.6	858.1	853.7	797.4	847.3	841.5	841.0
67.5°	938.1	945.1	963.4	955.0	913.2	925.3	918.2	864.8	916.9	915.3	912.1
70°	1042.5	1045.4	1059.9	1029.0	969.1	985.6	965.8	920.7	992.3	1004.5	1001.4
72°	1060.5	1068.1	1082.5	1065.3	1010.5	1031.1	988.2	945.1	1015.9	1025.2	1021.0
72.5°	1055.9	1061.9	1078.8	1064.3	1015.5	1037.7	991.0	944.6	1009.9	1019.5	1014.1
75°	920.4	919.7	958.3	985.3	1002.8	1068.4	977.8	892.0	900.8	899.2	890.7
77.5°	585.9	604.0	655.9	744.3	874.5	994.0	866.4	714.7	640.3	597.0	578.4
80°	204.3	218.4	274.3	392.6	610.0	758.4	607.1	394.4	262.5	203.9	201.2
82.5°	81.0	92.9	102.2	135.6	285.8	443.9	283.7	146.8	117.8	106.3	102.9
85°	64.3	65.9	72.8	77.4	103.7	143.3	125.9	88.8	82.7	74.4	72.8
87.5°	56.6	57.9	54.4	55.9	72.4	80.4	79.1	57.2	51.2	56.2	54.2
90°	59.2	59.8	54.8	55.5	73.3	82.5	76.4	53.9	53.2	58.8	56.9
92.5°	63.3	64.3	58.8	59.2	75.6	85.5	76.7	53.4	57.9	63.3	61.3
95°	51.8	53.2	49.4	50.8	65.9	76.4	68.4	47.8	51.6	61.5	59.6
97.5°	30.6	32.0	31.6	40.3	43.4	47.8	44.5	33.0	31.6	34.7	32.7
100°	5.4	6.7	14.2	26.6	24.6	20.9	22.8	20.5	13.5	7.0	5.0
102.5°	5.0	5.4	10.4	14.5	10.4	7.4	10.2	12.0	7.7	4.8	4.8
105°	5.0	5.4	5.7	6.1	3.4	3.1	4.4	7.0	4.8	4.8	4.8
107.5°	4.8	4.8	3.1	2.6	2.6	3.1	2.6	3.1	3.4	4.4	4.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	4.0	4.0	2.6	2.3	2.3	2.6	2.3	2.6	2.6	3.4	3.4
112.5°	3.1	3.1	2.1	2.1	2.1	2.3	2.1	2.1	2.3	2.6	2.6
115°	3.1	3.1	2.1	1.6	1.6	2.1	1.6	1.6	2.1	2.6	2.6
117.5°	2.6	2.6	1.6	1.3	1.3	1.3	1.3	1.3	2.1	2.6	2.6
120°	2.6	2.6	1.6	1.3	1.3	1.0	1.3	1.3	1.6	2.6	2.6
122.5°	2.6	2.6	1.6	1.0	1.0	1.0	1.0	1.3	1.6	2.3	2.6
125°	2.6	2.3	1.6	1.0	1.0	1.0	1.0	1.0	1.6	2.3	2.3
127.5°	2.3	2.3	1.6	1.0	1.0	0.7	0.7	1.0	1.3	2.1	2.3
130°	2.3	2.3	1.6	1.0	1.0	0.7	0.7	0.7	1.3	2.1	2.1
132.5°	2.1	2.1	1.3	0.7	0.7	0.7	0.7	0.7	1.0	1.6	1.6
135°	1.6	1.6	1.3	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3
137.5°	1.6	1.6	1.3	1.0	0.7	0.7	0.7	0.7	0.7	1.0	1.0
140°	1.6	1.6	1.3	1.0	0.7	0.7	0.7	0.7	1.0	1.0	1.0
142.5°	1.6	1.6	1.3	1.0	0.7	0.7	0.7	0.7	1.0	1.0	1.0
145°	1.6	1.6	1.3	1.0	0.7	0.7	0.7	1.0	1.0	1.3	1.3
147.5°	1.6	1.6	1.3	1.0	0.7	0.3	0.7	1.0	1.3	1.3	1.3
150°	1.6	1.6	1.3	0.7	0.3	0.0	0.3	0.7	1.0	1.3	1.3
152.5°	1.3	1.3	1.0	0.3	0.3	0.0	0.0	0.3	1.0	1.0	1.0
155°	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
157.5°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
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)