

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: P265995

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P265995
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-18)
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-A-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2121 lumens
Efficiency: N/A
Efficacy: 101.0 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 (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

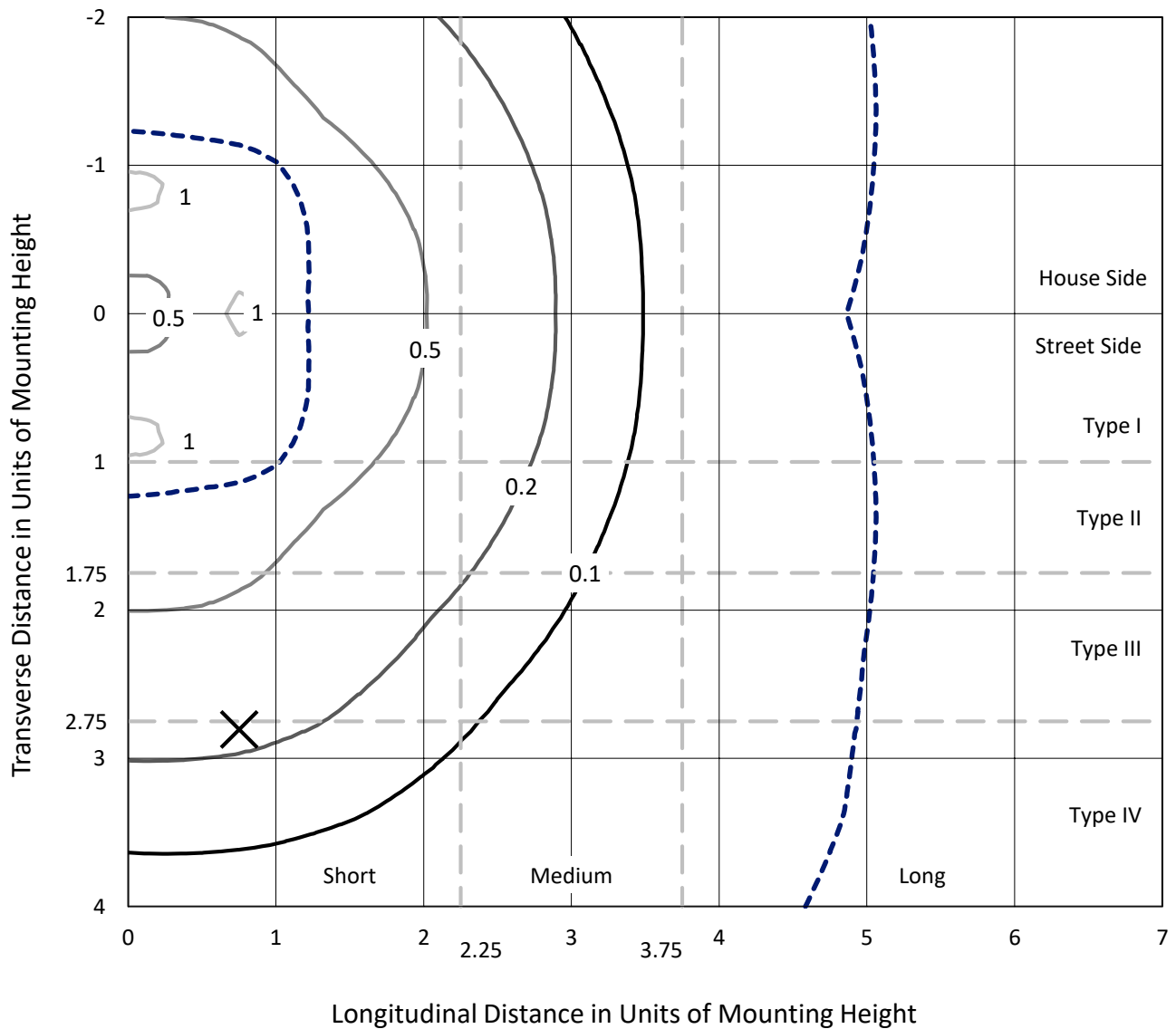


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

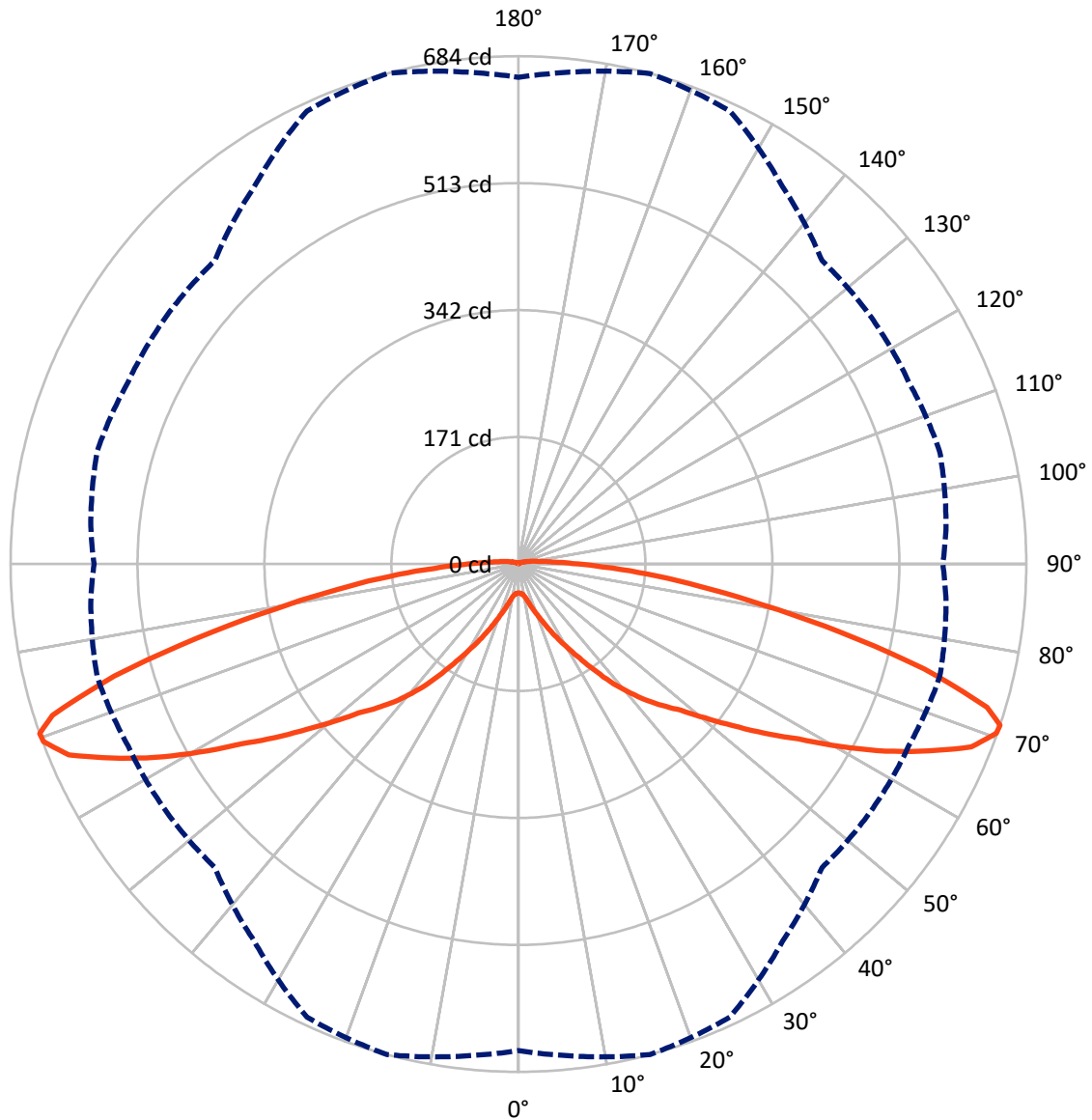


Based on 10 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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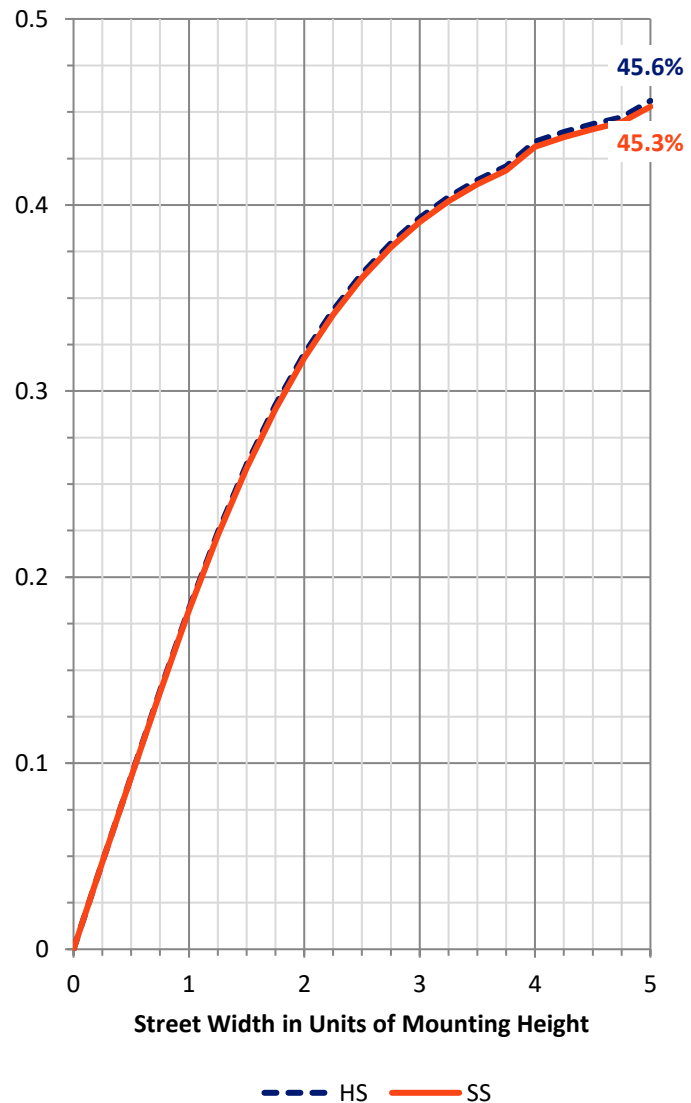
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1016.2	44.3	1060.5
	% Fixture	47.9	2.1	50.0
Street Side	Lumens	1016.2	44.3	1060.5
	% Fixture	47.9	2.1	50.0
Total	Lumens	2032.5	88.5	2121.0
	% Fixture	95.8	4.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.2
10°-20°	15.7	0.7
20°-30°	44.5	2.1
30°-40°	103.7	4.9
40°-50°	193.6	9.1
50°-60°	345.4	16.3
60°-70°	566.3	26.7
70°-80°	529.7	25.0
80°-90°	229.7	10.8
90°-100°	58.0	2.7
100°-110°	16.9	0.8
110°-120°	6.9	0.3
120°-130°	3.7	0.2
130°-140°	2.0	0.1
140°-150°	0.8	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2032.5	95.8
0°-180°	2121.0	100.0



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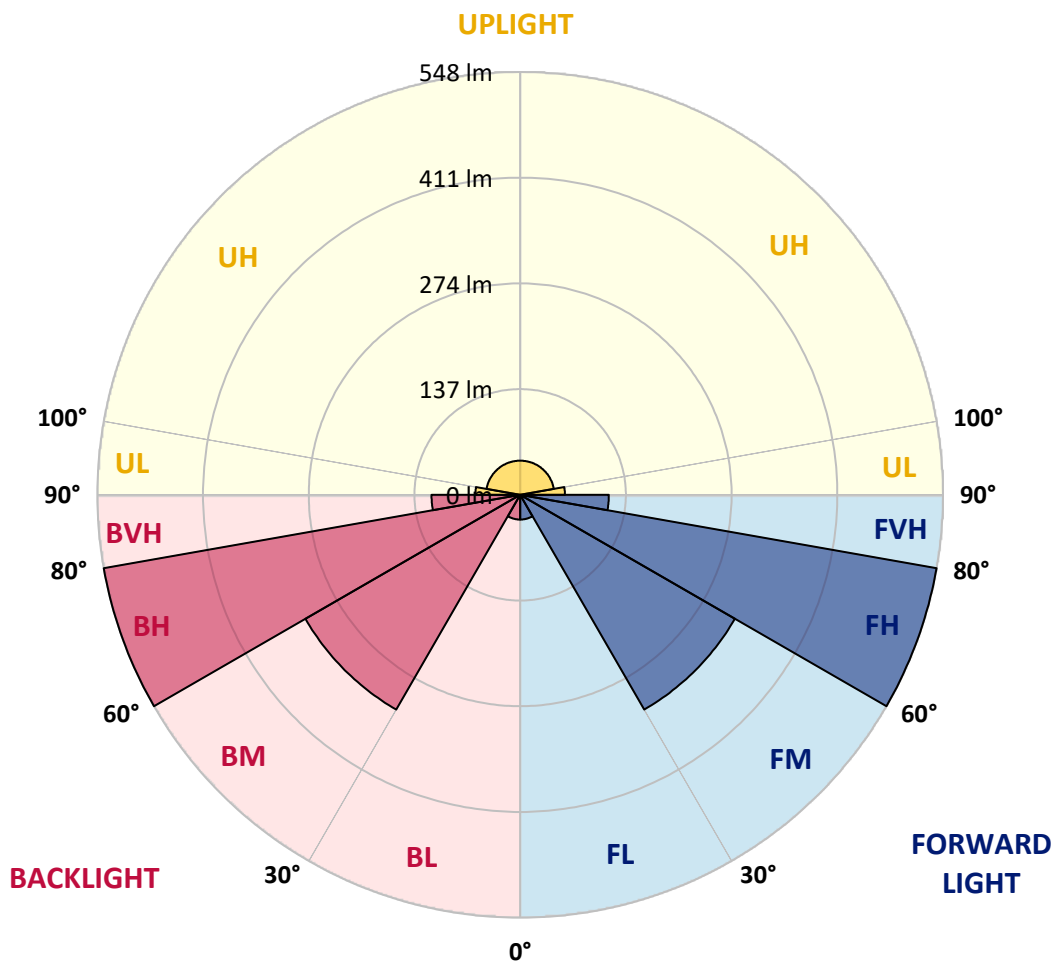
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	32.1	1.5			
FM (30°-60°)	321.3	15.2			
FH (60°-80°)	548.0	25.8			G0/660
FVH (80°-90°)	114.9	5.4			G2/225
BL (0°-30°)	32.1	1.5	B0/110		
BM (30°-60°)	321.3	15.2	B1/1000		
BH (60°-80°)	548.0	25.8	B2/1000		G0/660
BVH (80°-90°)	114.9	5.4			G2/225
UL (90°-100°)	58.0	2.7		U3/500	
UH (100°-180°)	44.3	2.1		U2/50	

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°	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
2.5°	39.3	39.3	39.3	39.5	39.5	39.5	39.3	39.3	39.0	39.0	39.0
5°	40.1	40.1	40.1	40.1	40.1	40.1	39.7	39.7	39.5	39.5	39.5
7.5°	41.2	41.2	41.2	41.2	41.2	41.1	40.8	40.6	40.6	40.6	40.6
10°	43.8	43.8	43.7	43.4	43.2	42.7	42.7	42.4	42.4	42.4	42.7
12.5°	49.3	49.3	48.7	47.5	46.1	45.5	45.4	45.9	46.5	46.7	47.3
15°	56.6	56.6	55.7	53.7	51.6	49.6	50.0	51.6	52.7	53.4	54.0
17.5°	65.4	65.4	64.0	61.4	58.3	57.0	56.9	58.7	60.6	62.2	63.1
20°	75.3	75.3	73.3	69.8	66.7	65.9	65.7	67.2	70.0	72.1	73.1
22.5°	87.2	87.6	84.6	79.8	76.7	75.3	75.1	77.0	81.4	84.6	85.8
25°	102.1	102.1	99.1	92.3	87.9	85.6	86.1	89.7	96.1	100.4	101.1
27.5°	118.7	118.1	114.2	106.9	100.7	97.0	98.3	103.8	111.7	118.1	119.1
30°	137.1	136.6	131.0	123.2	114.4	110.0	112.0	119.8	130.7	139.7	140.9
32.5°	158.5	158.0	150.7	140.9	129.3	123.4	127.1	138.2	151.5	163.2	164.8
35°	184.2	183.7	174.0	160.3	146.0	139.1	143.9	157.6	173.1	187.2	189.5
37.5°	210.9	210.9	201.0	183.4	164.5	155.9	161.1	176.6	195.1	209.0	211.5
40°	235.4	235.4	225.4	208.3	185.3	173.8	179.3	195.4	211.9	224.3	226.8
42.5°	258.0	258.6	249.3	231.9	207.1	193.9	197.3	211.5	228.4	242.4	244.8
45°	275.9	277.3	271.6	255.1	230.3	214.8	216.0	232.0	252.2	266.8	269.8
47.5°	297.8	298.0	293.9	278.4	255.1	238.1	238.9	258.0	280.0	295.2	296.5
50°	328.7	329.4	325.7	308.1	283.5	264.5	269.2	288.9	316.3	332.3	332.7
52.5°	362.9	363.6	360.9	344.7	316.7	298.1	305.7	328.4	355.5	368.9	368.5
55°	398.8	400.6	402.0	386.9	357.2	338.2	348.4	372.1	397.2	410.4	409.0
57.5°	438.9	440.1	444.0	430.6	404.0	385.6	398.2	421.9	447.5	460.3	458.1
60°	493.9	495.8	498.9	480.5	452.8	438.3	452.1	477.3	503.4	511.0	508.3
62.5°	543.7	545.9	554.6	540.6	504.6	489.2	507.7	531.9	553.7	557.4	552.5
65°	592.3	594.8	606.5	594.5	558.7	536.9	556.4	576.4	596.7	599.3	594.5
67.5°	636.7	643.1	657.3	640.9	600.4	575.5	586.7	602.7	620.6	617.6	611.6
70°	659.4	667.9	682.3	670.8	620.9	583.3	589.3	594.0	602.7	598.4	593.2
71°	655.0	663.6	683.5	672.9	619.7	577.7	579.4	579.6	586.9	577.7	571.2
72.5°	622.3	631.5	659.4	661.0	607.8	561.9	554.6	548.4	544.6	528.4	523.4
75°	520.9	533.0	564.3	582.3	552.5	508.0	495.1	474.9	463.9	445.2	444.0
77.5°	405.3	413.3	444.0	471.3	463.2	434.4	419.8	400.1	388.5	374.0	365.3
80°	302.1	304.6	332.6	363.5	372.7	361.3	350.5	332.7	319.1	305.0	297.5
82.5°	214.8	219.8	245.0	278.6	300.7	301.1	293.4	273.5	258.3	243.4	237.6
85°	145.3	150.2	174.8	210.3	238.8	250.9	243.4	217.2	194.2	177.0	173.4
87.5°	91.1	95.8	113.6	145.3	183.0	201.6	192.7	160.3	134.2	118.4	115.3
90°	59.6	62.5	73.1	93.8	126.1	152.1	141.9	111.7	89.4	75.3	73.8
92.5°	41.2	42.2	48.7	60.6	83.9	104.7	97.3	75.3	58.7	48.7	47.3
95°	29.5	30.5	34.6	41.7	56.1	68.8	64.7	51.1	40.1	33.1	32.1
97.5°	21.7	22.5	26.1	30.9	39.5	46.3	43.4	36.2	29.3	24.0	23.3
100°	17.0	17.2	20.4	24.0	29.5	33.1	30.9	27.0	22.5	18.8	18.2
102.5°	13.5	13.7	16.1	19.0	22.7	25.4	23.7	20.8	17.4	14.8	14.6
105°	10.5	10.8	12.4	15.1	18.2	19.9	18.8	16.3	13.5	11.5	11.5
107.5°	8.4	8.7	9.8	11.9	14.6	16.1	15.1	12.7	10.5	9.2	9.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	6.9	6.9	7.9	9.6	11.9	13.1	12.2	10.2	8.4	7.5	7.1
112.5°	5.7	5.7	6.5	7.9	9.8	10.8	10.2	8.2	6.6	6.0	6.0
115°	4.9	5.0	5.3	6.6	8.4	9.2	8.4	6.9	5.5	5.0	5.0
117.5°	4.3	4.3	4.9	5.7	7.1	7.9	7.1	6.0	4.9	4.5	4.5
120°	3.9	3.9	4.1	4.9	6.3	6.6	6.3	5.0	4.3	4.1	4.1
122.5°	3.7	3.7	3.7	4.3	5.3	6.0	5.5	4.5	3.9	3.7	3.7
125°	3.4	3.4	3.4	3.9	4.9	5.0	4.9	4.1	3.4	3.4	3.4
127.5°	3.4	3.4	3.4	3.7	4.1	4.5	4.3	3.7	3.1	3.1	3.1
130°	3.1	3.1	3.1	3.4	3.7	3.9	3.7	3.4	3.1	3.1	3.1
132.5°	2.9	2.9	2.9	2.9	3.1	3.4	3.1	2.9	2.9	2.9	2.9
135°	2.6	2.6	2.6	2.3	2.6	2.9	2.6	2.3	2.3	2.6	2.6
137.5°	2.3	2.3	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.2	2.3
140°	2.2	2.2	1.9	1.9	1.9	1.9	1.6	1.6	1.6	1.9	1.9
142.5°	1.9	1.6	1.6	1.4	1.4	1.4	1.4	1.2	1.4	1.6	1.6
145°	1.4	1.4	1.4	1.2	1.2	1.2	1.0	1.0	1.2	1.2	1.2
147.5°	1.2	1.2	1.0	1.0	0.7	0.7	0.7	0.7	1.0	1.0	1.0
150°	1.0	1.0	0.7	0.7	0.4	0.4	0.4	0.4	0.7	0.7	0.7
152.5°	0.7	0.7	0.4	0.4	0.4	0.2	0.2	0.2	0.4	0.4	0.4
155°	0.4	0.4	0.2	0.2	0.2	0.0	0.2	0.2	0.2	0.2	0.2
157.5°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)