

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: P255067

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255067
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-33)
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-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 375mA 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: 3532.3 lumens
Efficiency: N/A
Efficacy: 113.9 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): 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

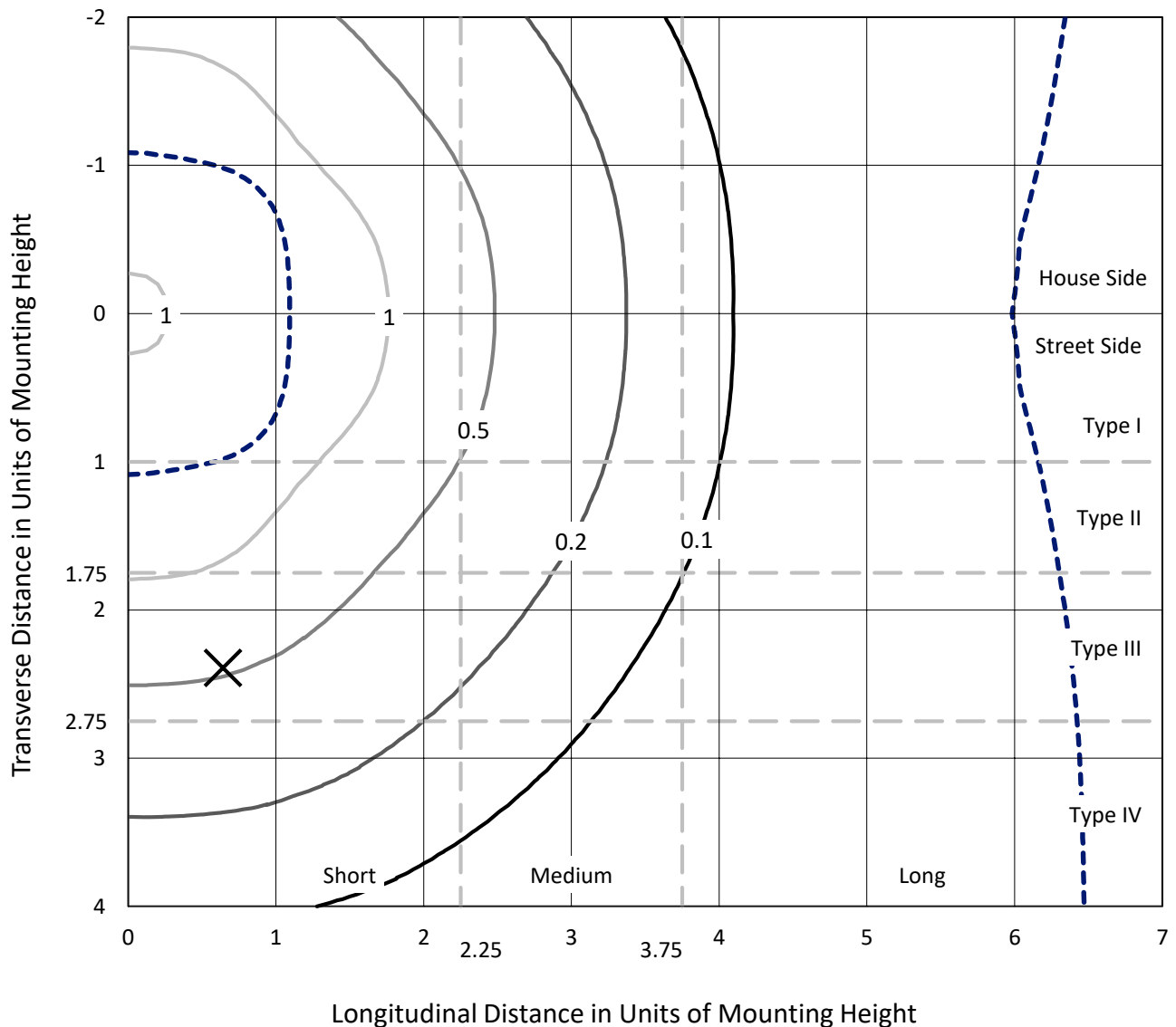


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

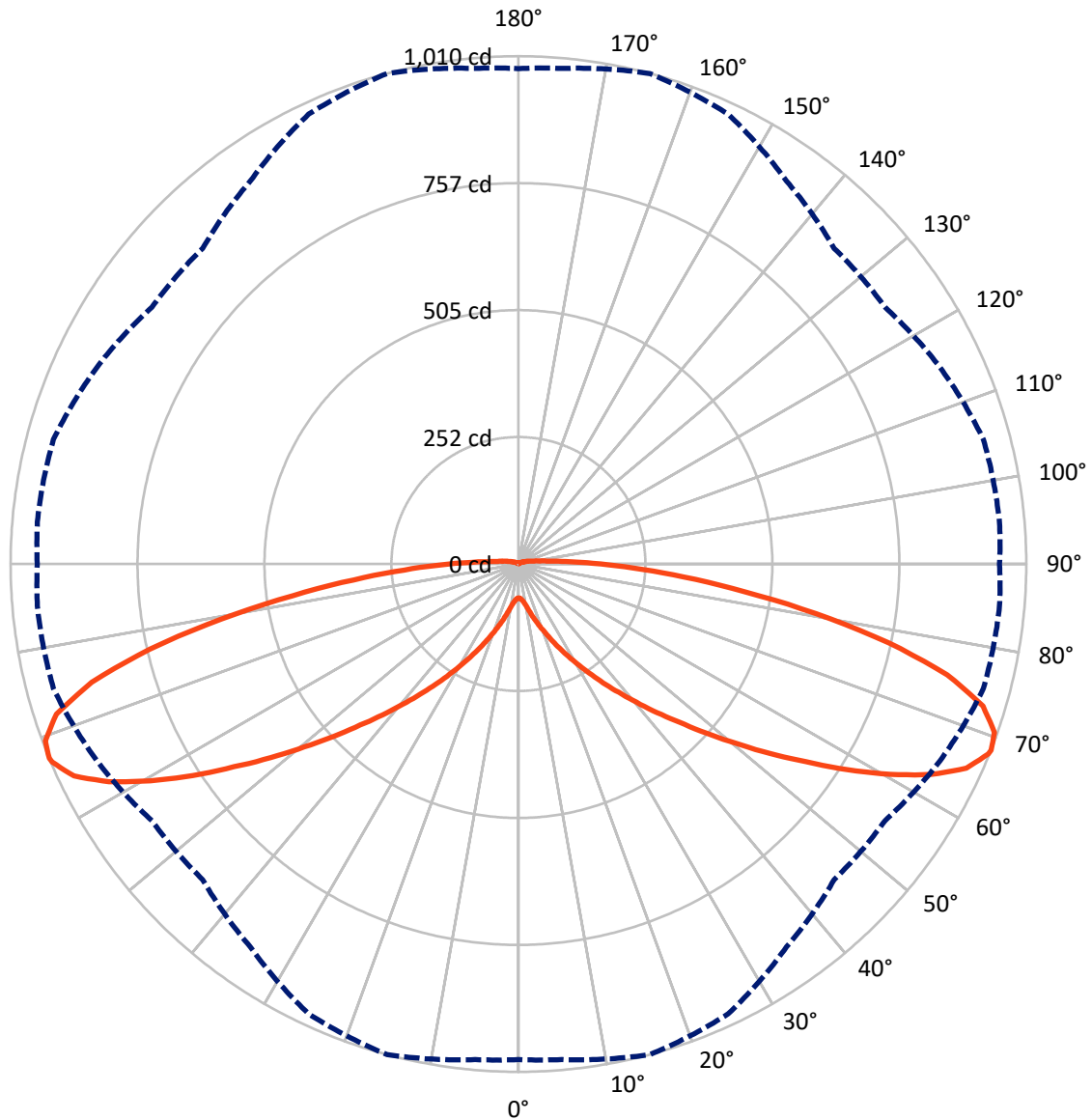


Based on 10 foot mounting height. Maximum calculated value = 1.7 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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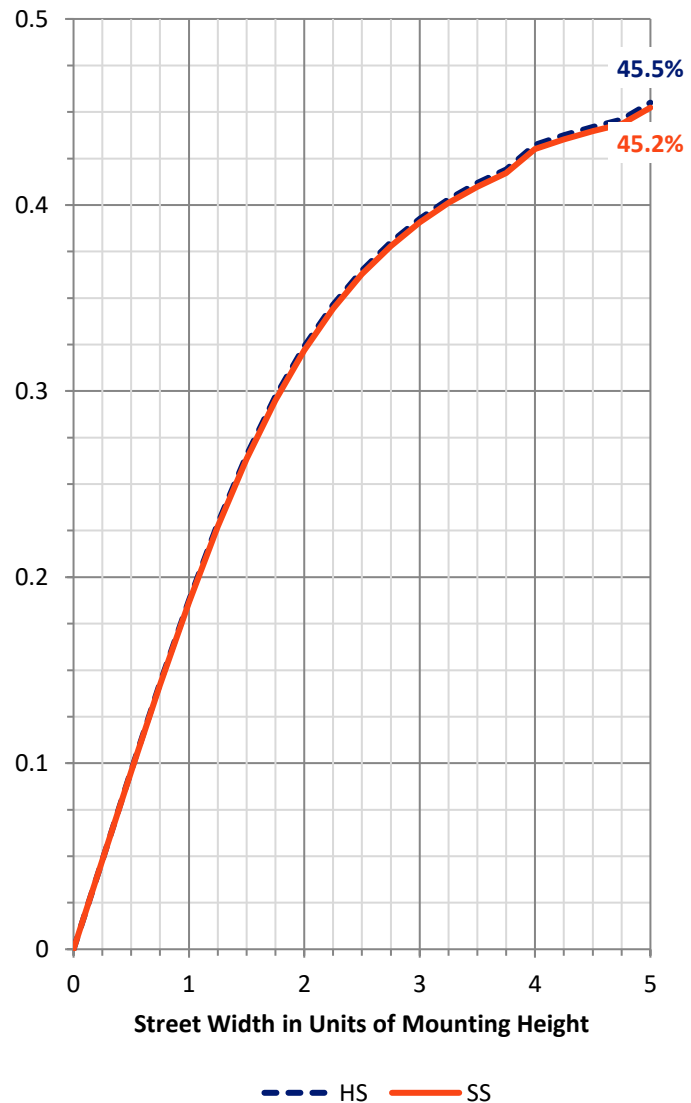
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1695.4	70.7	1766.1
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	1695.4	70.7	1766.1
	% Fixture	48.0	2.0	50.0
Total	Lumens	3390.9	141.4	3532.3
	% Fixture	96.0	4.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	0.2
10°-20°	32.3	0.9
20°-30°	85.1	2.4
30°-40°	178.7	5.1
40°-50°	335.4	9.5
50°-60°	592.6	16.8
60°-70°	893.9	25.3
70°-80°	866.4	24.5
80°-90°	399.3	11.3
90°-100°	95.0	2.7
100°-110°	26.6	0.8
110°-120°	11.2	0.3
120°-130°	5.0	0.1
130°-140°	2.4	0.1
140°-150°	1.0	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3390.9	96.0
0°-180°	3532.3	100.0



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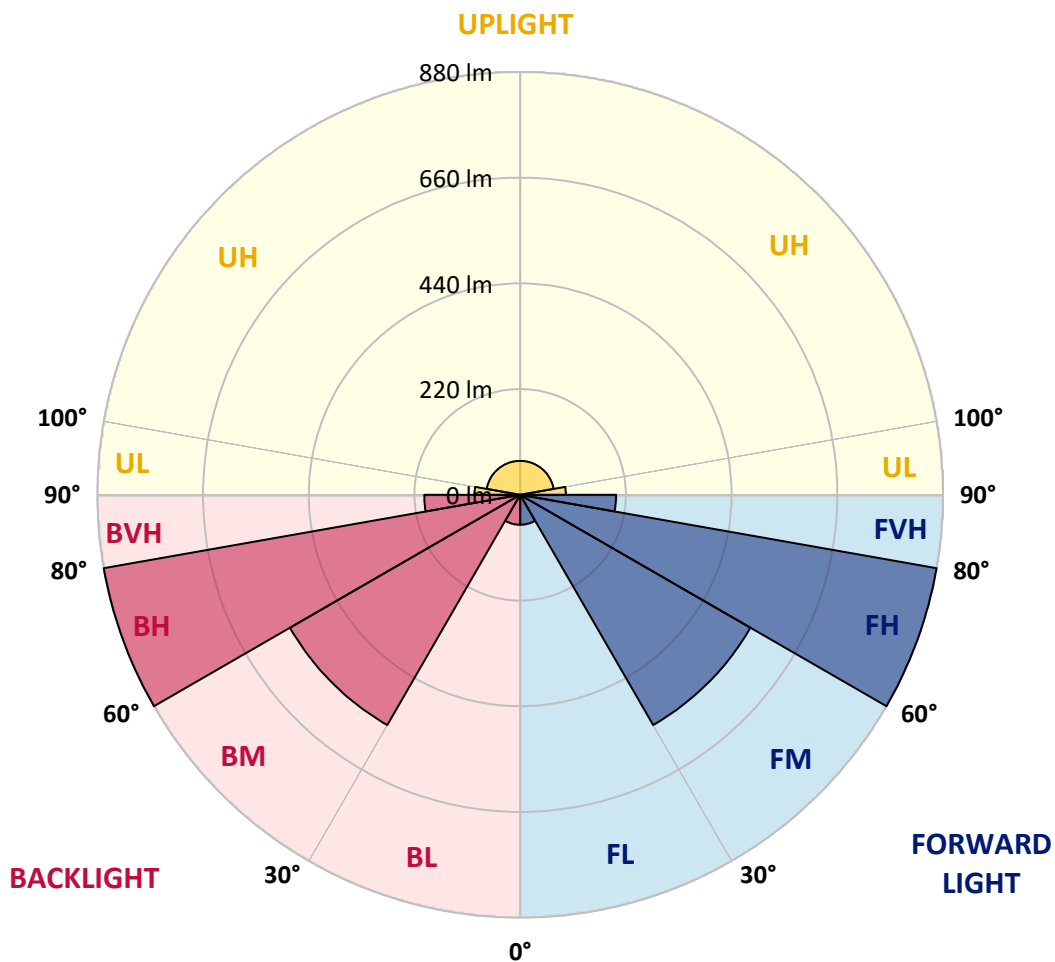
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	62.3	1.8			
FM	(30°-60°)	553.4	15.7			
FH	(60°-80°)	880.1	24.9			G1/1800
FVH	(80°-90°)	199.7	5.7			G2/225
BL	(0°-30°)	62.3	1.8	B0/110		
BM	(30°-60°)	553.4	15.7	B1/1000		
BH	(60°-80°)	880.1	24.9	B2/1000		G1/1800
BVH	(80°-90°)	199.7	5.7			G2/225
UL	(90°-100°)	95.0	2.7		U3/500	
UH	(100°-180°)	70.7	2.0		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°	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
2.5°	68.5	68.5	68.5	68.5	68.5	68.9	68.5	68.5	68.5	68.5	68.5
5°	71.3	71.3	71.3	71.7	71.7	71.7	71.7	71.7	71.7	72.1	71.7
7.5°	76.4	76.4	76.4	76.4	76.4	76.4	76.8	77.2	77.2	77.6	77.6
10°	84.4	84.4	84.0	84.0	84.0	84.4	84.4	85.2	85.5	86.7	86.3
12.5°	96.7	96.7	95.9	95.0	94.7	94.3	95.0	96.7	97.9	99.8	99.4
15°	110.5	110.5	109.8	108.5	108.1	107.7	108.1	110.2	112.1	114.1	113.6
17.5°	125.9	125.6	124.8	123.2	123.2	122.8	122.8	124.8	127.2	129.9	129.9
20°	143.0	142.2	141.1	139.0	139.0	138.6	139.0	140.7	144.2	147.4	147.4
22.5°	162.4	161.6	160.1	158.0	156.9	156.1	156.5	158.9	163.2	167.6	168.0
25°	184.2	183.0	181.5	179.0	175.8	174.3	175.1	179.0	184.6	190.2	188.9
27.5°	207.1	206.7	204.4	200.8	196.1	193.7	195.7	200.5	207.1	213.1	213.5
30°	234.2	232.9	229.8	224.2	219.1	214.3	216.3	222.6	231.7	239.7	240.1
32.5°	262.3	261.9	258.3	250.3	241.6	237.3	239.3	248.4	259.1	267.0	268.6
35°	294.7	293.9	290.0	279.7	268.6	262.7	264.6	275.7	288.8	298.7	299.5
37.5°	330.4	328.4	323.7	311.4	297.1	290.0	292.0	304.6	320.5	330.4	332.8
40°	367.2	366.8	361.3	347.0	329.6	319.7	322.8	337.2	355.4	366.4	368.1
42.5°	410.0	409.2	403.7	387.1	365.6	354.1	357.7	374.7	394.6	405.7	407.6
45°	455.2	455.9	448.5	432.2	407.2	394.1	396.5	415.9	437.7	451.6	453.2
47.5°	507.5	506.3	502.0	481.7	453.2	438.1	440.9	462.3	488.0	501.1	502.0
50°	562.5	561.3	559.8	538.8	505.8	490.4	492.0	515.4	541.6	555.0	558.5
52.5°	623.9	624.3	625.1	602.1	565.3	544.3	547.9	574.4	602.1	614.4	617.6
55°	692.0	692.4	694.1	670.6	629.1	605.7	610.1	639.3	669.1	681.4	682.5
57.5°	767.7	765.8	772.1	744.4	698.8	671.9	676.6	707.2	738.8	750.7	753.1
60°	843.4	840.7	849.4	821.6	769.4	740.0	742.4	778.1	812.1	819.6	824.8
62.5°	907.6	910.3	921.8	893.8	835.9	800.3	804.1	840.3	878.2	885.8	887.0
65°	957.9	961.9	978.9	949.6	892.1	849.4	854.9	892.1	931.3	934.9	934.2
67.5°	984.4	988.0	1007.4	983.3	925.0	883.0	886.2	922.2	955.5	959.0	955.5
68°	985.2	989.2	1009.8	986.8	929.4	887.7	889.8	925.0	957.1	960.2	956.7
70°	973.3	982.9	1004.2	987.1	933.3	894.5	894.9	923.4	953.9	951.5	948.4
72.5°	927.4	935.7	965.8	958.7	913.5	880.2	875.4	895.3	913.1	906.3	904.4
75°	833.9	841.8	880.7	888.5	863.2	839.0	827.6	833.9	833.5	821.2	816.4
77.5°	698.4	709.5	752.3	781.6	773.2	763.3	744.0	734.5	716.6	691.7	683.7
80°	542.7	553.8	600.2	641.0	657.6	658.8	641.0	609.3	573.6	539.5	532.9
82.5°	402.5	414.0	452.8	503.5	525.3	538.0	518.1	477.3	437.3	399.7	393.0
85°	281.3	289.6	328.8	370.0	401.7	415.5	393.7	359.0	318.5	286.0	279.7
87.5°	191.7	196.5	227.4	268.6	298.3	311.8	293.2	259.1	221.9	192.1	185.4
90°	121.6	124.8	147.7	182.2	212.4	224.2	209.6	179.8	145.8	121.6	117.2
92.5°	74.5	76.1	93.1	120.8	146.2	159.7	146.6	120.0	92.3	74.9	72.5
95°	48.7	49.9	59.8	77.6	98.6	108.5	99.8	80.0	61.4	49.9	48.3
97.5°	36.0	36.8	42.8	52.3	65.0	72.5	66.6	54.6	44.0	36.8	35.7
100°	28.1	28.5	32.5	38.5	45.5	49.9	46.7	40.0	33.2	28.1	27.7
102.5°	22.6	22.6	26.2	30.5	34.9	37.2	35.3	31.7	26.2	22.2	21.8
105°	17.8	18.2	21.0	25.0	28.1	29.7	28.5	25.8	21.0	17.4	17.1
107.5°	14.2	14.2	17.1	20.6	23.7	25.0	23.7	21.4	16.7	13.9	13.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	11.0	11.5	13.5	17.1	19.8	21.0	19.8	17.4	13.5	11.0	10.7
112.5°	9.1	9.1	10.7	13.9	16.7	17.4	16.7	13.9	10.7	8.7	8.7
115°	7.6	7.6	8.7	11.5	13.9	14.6	13.9	11.5	8.7	7.2	7.2
117.5°	6.3	6.8	7.6	9.5	11.5	11.9	11.5	9.5	7.2	6.3	5.9
120°	5.5	5.9	6.3	7.9	9.5	9.9	9.1	7.6	5.9	5.5	5.1
122.5°	5.1	5.1	5.5	6.3	7.9	8.3	7.6	6.3	5.1	4.7	4.7
125°	4.7	4.7	4.7	5.5	6.3	6.8	6.3	5.1	4.4	4.4	4.4
127.5°	4.4	4.4	4.4	4.7	5.5	5.5	5.1	4.4	4.0	4.0	4.0
130°	4.0	4.0	4.0	4.0	4.4	4.7	4.4	4.0	3.6	3.6	3.6
132.5°	3.6	3.6	3.6	3.6	3.6	4.0	3.6	3.2	3.2	3.2	3.2
135°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	2.8	2.8	2.8	2.8
137.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.4	2.4	2.4	2.8	2.8
140°	2.4	2.4	2.4	2.4	1.9	1.9	1.9	1.9	2.4	2.4	2.4
142.5°	2.4	2.4	1.9	1.9	1.5	1.5	1.5	1.5	1.9	1.9	1.9
145°	1.9	1.9	1.5	1.5	1.5	1.2	1.2	1.5	1.5	1.5	1.5
147.5°	1.5	1.5	1.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
150°	1.2	1.2	1.2	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2
152.5°	0.8	0.8	0.8	0.8	0.8	0.4	0.8	0.8	0.8	0.8	0.8
155°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
157.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
160°	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	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)