

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: P694853

Luminaire Tested: **LXF.LXT-PA16-30-740-U-5WQ-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694853  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-30-740-U-5WQ-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3764 lumens  
Efficiency: N/A  
Efficacy: 128.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type V - Medium  
BUG Rating: B2 - U3 - G2

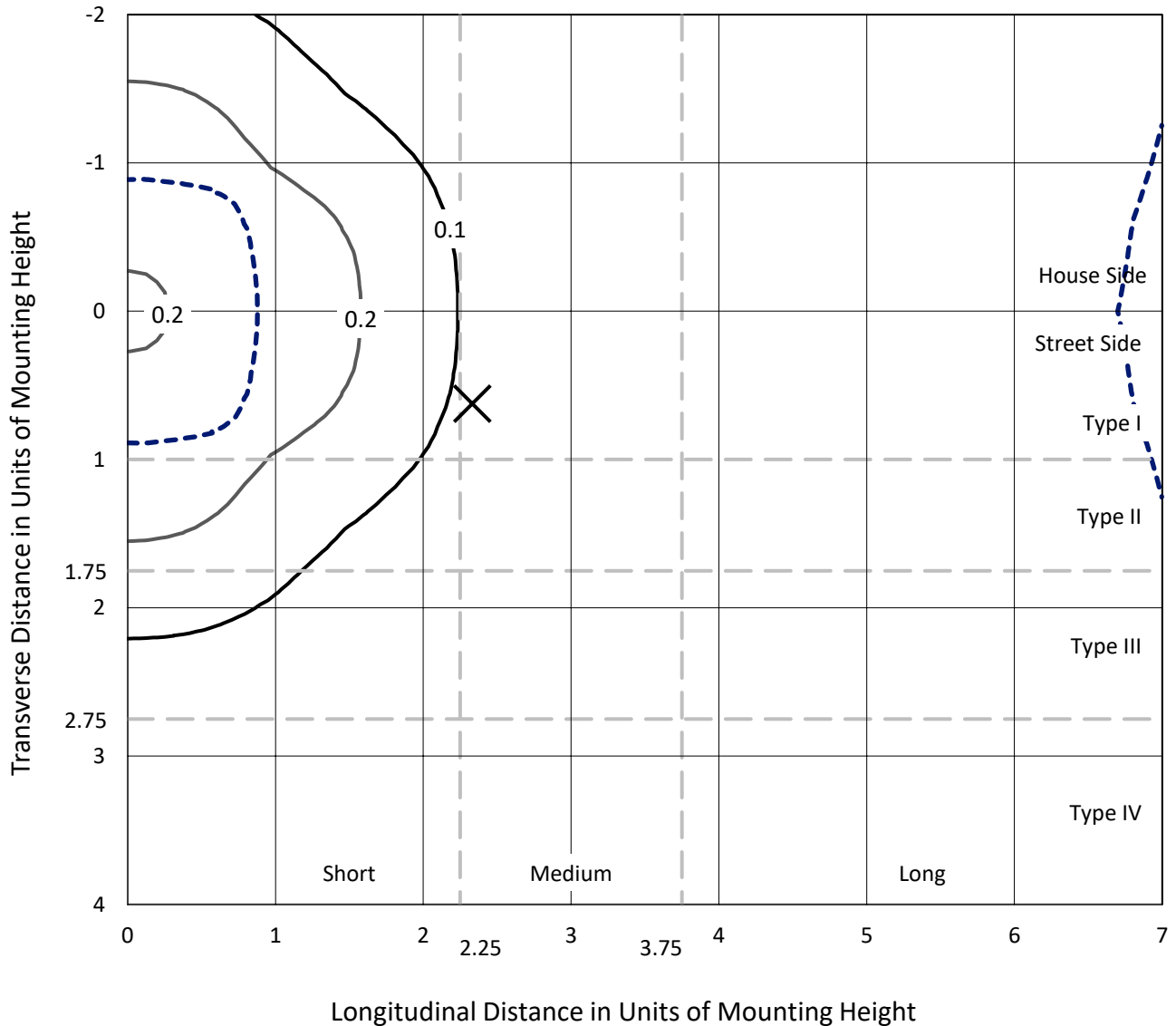
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

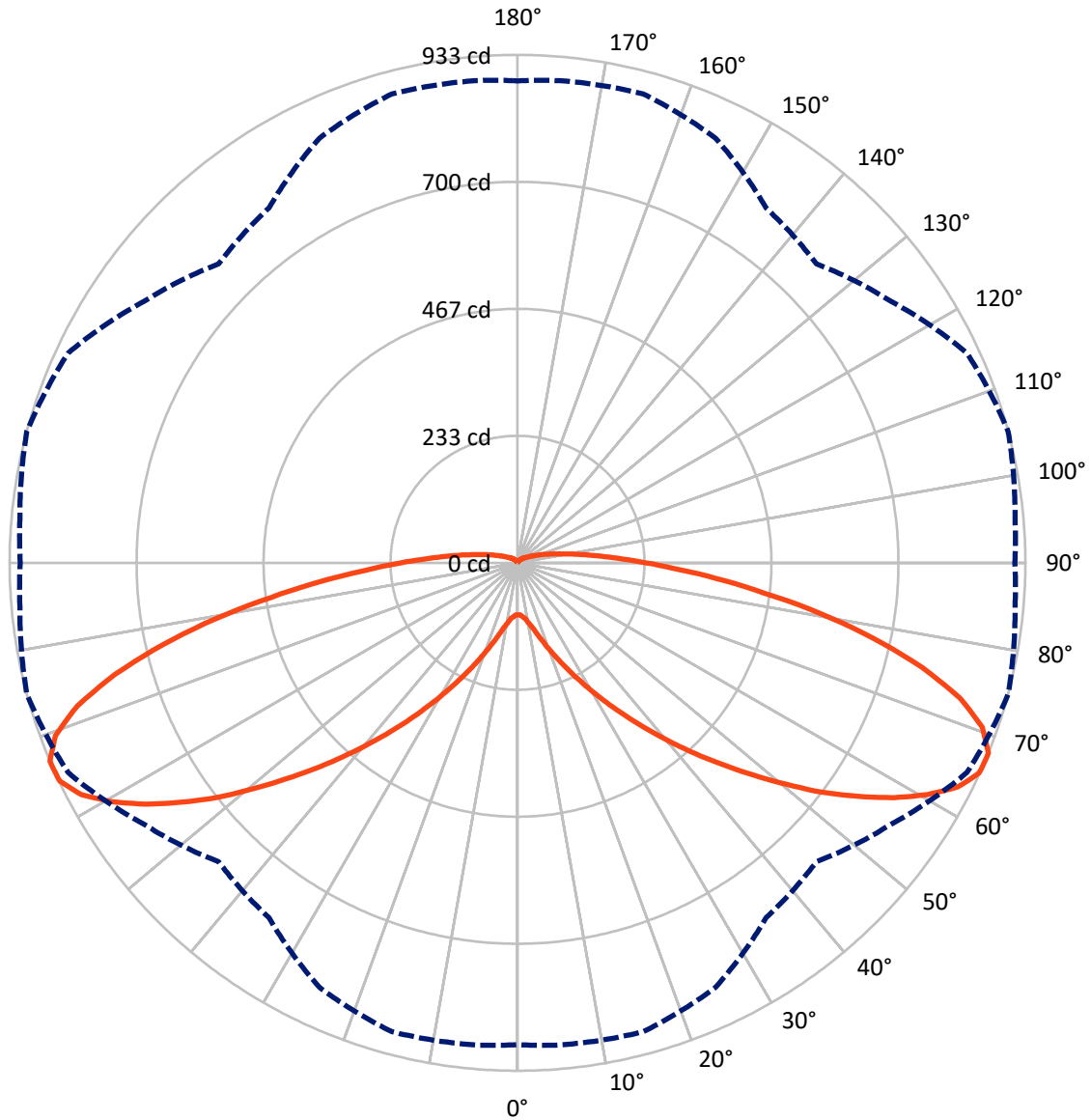
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc  
Type V - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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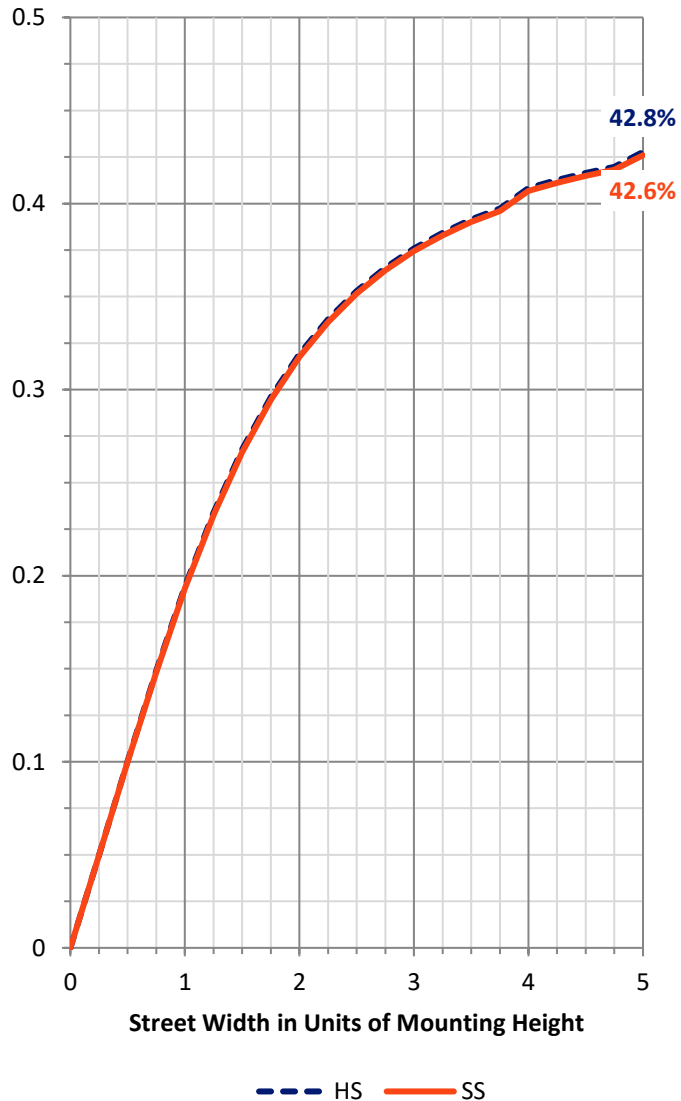
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1717.3	164.6	1882.0
	% Fixture	45.6	4.4	50.0
<b>Street Side</b>	Lumens	1717.3	164.6	1882.0
	% Fixture	45.6	4.4	50.0
<b>Total</b>	Lumens	3434.7	329.3	3764.0
	% Fixture	91.3	8.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.9	0.3
10°-20°	40.0	1.1
20°-30°	102.3	2.7
30°-40°	214.6	5.7
40°-50°	391.6	10.4
50°-60°	634.1	16.8
60°-70°	843.7	22.4
70°-80°	768.9	20.4
80°-90°	429.7	11.4
90°-100°	182.8	4.9
100°-110°	79.1	2.1
110°-120°	37.3	1.0
120°-130°	18.3	0.5
130°-140°	8.5	0.2
140°-150°	3.1	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3434.7	91.3
0°-180°	3764.0	100.0

**Coefficient of Utilization**

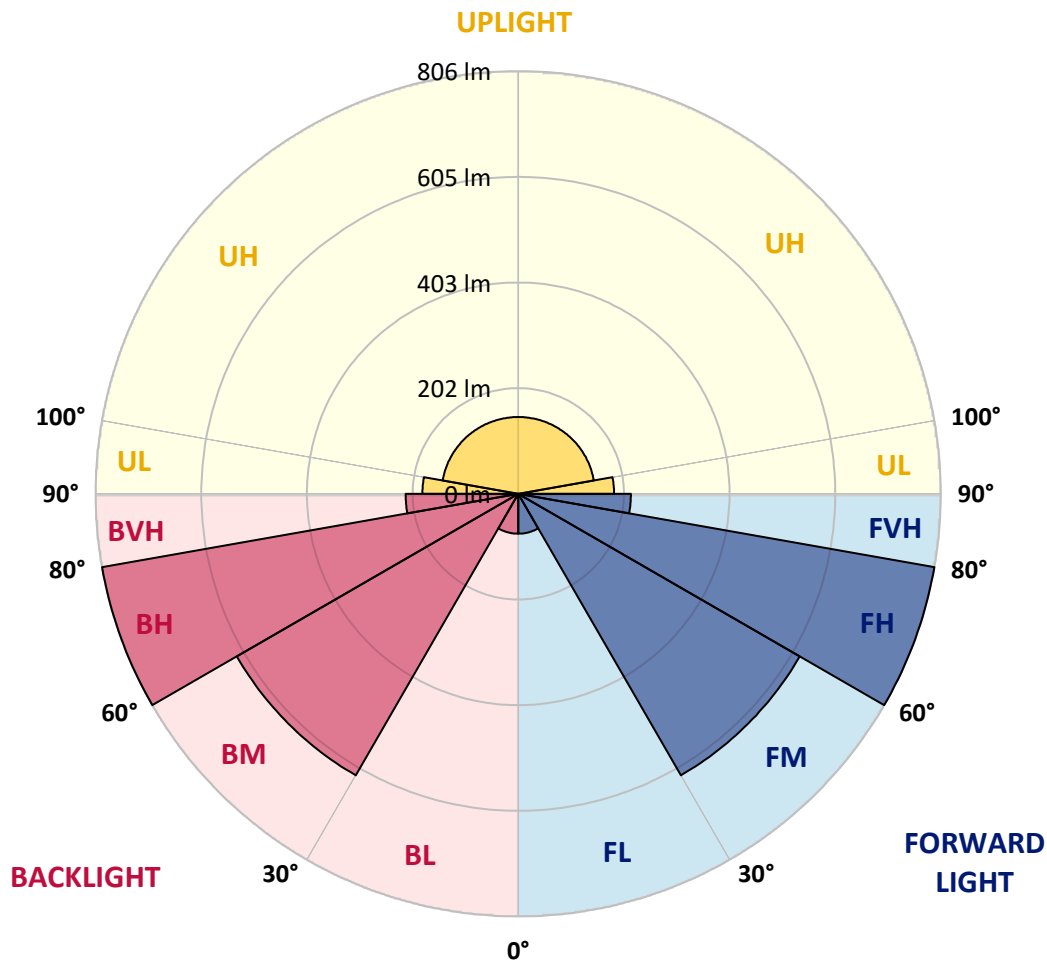


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	76.1	2.0			
FM (30°-60°)	620.1	16.5			
FH (60°-80°)	806.3	21.4			G1/1800
FVH (80°-90°)	214.9	5.7			G2/225
BL (0°-30°)	76.1	2.0	B0/110		
BM (30°-60°)	620.1	16.5	B1/1000		
BH (60°-80°)	806.3	21.4	B2/1000		G1/1800
BVH (80°-90°)	214.9	5.7			G2/225
UL (90°-100°)	182.8	4.9		U3/500	
UH (100°-180°)	146.5	3.9		U3/500	

**BUG Rating: B2-U3-G2**  
 Type V Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
2.5°	95.8	95.8	95.8	95.8	95.8	97.1	97.1	95.8	95.8	95.8	95.8
5°	98.4	98.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
7.5°	103.5	103.5	103.5	104.8	104.8	104.8	104.8	103.5	103.5	103.5	104.8
10°	112.6	112.6	111.3	112.6	111.3	111.3	112.6	111.3	111.3	111.3	111.3
12.5°	123.0	123.0	123.0	123.0	121.7	121.7	121.7	121.7	121.7	123.0	123.0
15°	137.2	137.2	137.2	135.9	134.6	133.3	134.6	135.9	135.9	137.2	137.2
17.5°	155.3	155.3	154.0	152.7	151.4	150.1	150.1	151.4	152.7	154.0	154.0
20°	174.7	174.7	173.4	170.8	168.2	169.5	169.5	170.8	172.1	173.4	173.4
22.5°	196.7	195.4	194.1	191.5	190.3	189.0	190.3	190.3	194.1	196.7	195.4
25°	221.3	221.3	218.7	214.8	212.3	212.3	213.5	214.8	218.7	221.3	222.6
27.5°	249.8	247.2	244.6	240.7	236.8	235.5	236.8	242.0	245.9	251.1	249.8
30°	280.8	279.6	274.4	269.2	262.7	260.1	265.3	270.5	277.0	280.8	283.4
32.5°	314.5	314.5	308.0	299.0	291.2	288.6	292.5	302.8	310.6	315.8	319.7
35°	350.7	350.7	343.0	332.6	322.3	317.1	324.8	337.8	348.1	355.9	357.2
37.5°	393.4	390.9	383.1	368.9	352.0	349.4	358.5	374.0	388.3	397.3	397.3
40°	436.2	433.6	425.8	407.7	385.7	381.8	392.1	415.4	432.3	440.0	441.3
42.5°	482.7	478.9	471.1	451.7	424.5	416.7	432.3	459.4	478.9	487.9	487.9
45°	528.0	529.3	517.7	495.7	465.9	454.3	473.7	506.0	529.3	537.1	539.7
47.5°	578.5	579.8	568.2	541.0	507.3	497.0	519.0	553.9	582.4	588.9	591.5
50°	634.2	634.2	625.1	591.5	553.9	539.7	566.9	612.2	639.3	645.8	647.1
52.5°	688.5	687.2	680.8	643.2	600.5	585.0	616.0	667.8	700.2	701.5	701.5
55°	742.9	741.6	733.8	697.6	647.1	630.3	667.8	726.1	757.1	759.7	761.0
57.5°	790.8	790.8	783.0	746.8	691.1	673.0	717.0	781.7	814.1	814.1	814.1
60°	834.8	834.8	830.9	792.1	732.5	713.1	763.6	833.5	864.5	860.7	860.7
62.5°	868.4	869.7	867.1	828.3	764.9	746.8	802.4	876.2	907.2	899.5	895.6
65°	887.8	889.1	890.4	854.2	789.5	770.1	828.3	906.0	931.8	920.2	916.3
67.5°	885.2	889.1	891.7	860.7	795.9	776.5	837.4	911.1	933.1	917.6	913.7
70°	860.7	865.8	871.0	845.1	785.6	767.5	825.7	894.3	906.0	887.8	881.4
72.5°	812.8	814.1	827.0	808.9	757.1	739.0	789.5	847.7	850.3	828.3	820.5
75°	741.6	741.6	758.4	745.5	706.6	691.1	732.5	775.2	767.5	744.2	735.1
77.5°	651.0	657.5	671.7	670.4	639.3	631.6	661.3	680.8	669.1	639.3	630.3
80°	550.0	555.2	575.9	581.1	563.0	555.2	575.9	582.4	564.3	534.5	526.7
82.5°	456.9	462.0	481.4	495.7	484.0	477.6	487.9	482.7	456.9	431.0	425.8
85°	371.4	372.7	396.0	406.4	406.4	401.2	402.5	388.3	365.0	337.8	330.0
87.5°	296.4	296.4	317.1	332.6	336.5	332.6	328.7	310.6	284.7	262.7	261.4
90°	234.3	235.5	252.4	267.9	274.4	271.8	262.7	244.6	223.9	204.5	201.9
92.5°	186.4	189.0	201.9	217.4	225.2	223.9	213.5	196.7	176.0	160.5	159.2
95°	150.1	150.1	161.8	174.7	183.8	183.8	174.7	157.9	139.8	125.5	124.2
97.5°	119.1	120.4	130.7	142.4	150.1	150.1	142.4	128.1	111.3	99.7	97.1
100°	97.1	97.1	104.8	116.5	124.2	124.2	116.5	103.5	89.3	78.9	77.7
102.5°	77.7	78.9	85.4	95.8	102.2	103.5	97.1	86.7	72.5	63.4	63.4
105°	64.7	64.7	71.2	78.9	85.4	86.7	81.5	71.2	59.5	51.8	50.5
107.5°	53.1	53.1	58.2	67.3	72.5	73.8	68.6	59.5	49.2	42.7	41.4
110°	45.3	44.0	47.9	55.7	62.1	62.1	58.2	50.5	40.1	34.9	34.9

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	37.5	37.5	40.1	46.6	51.8	54.4	50.5	42.7	33.6	29.8	29.8
115°	32.4	32.4	34.9	40.1	45.3	45.3	42.7	34.9	28.5	25.9	25.9
117.5°	28.5	28.5	29.8	33.6	37.5	38.8	36.2	29.8	24.6	22.0	22.0
120°	24.6	24.6	25.9	28.5	32.4	33.6	31.1	25.9	20.7	19.4	19.4
122.5°	22.0	22.0	22.0	24.6	28.5	28.5	25.9	22.0	18.1	16.8	16.8
125°	19.4	19.4	19.4	20.7	23.3	24.6	22.0	18.1	15.5	15.5	15.5
127.5°	16.8	16.8	16.8	18.1	20.7	20.7	19.4	15.5	14.2	14.2	14.2
130°	15.5	15.5	15.5	15.5	16.8	16.8	15.5	12.9	12.9	12.9	12.9
132.5°	12.9	12.9	12.9	12.9	14.2	14.2	12.9	11.6	10.4	11.6	11.6
135°	11.6	11.6	11.6	11.6	11.6	11.6	10.4	9.1	9.1	10.4	10.4
137.5°	10.4	10.4	10.4	9.1	9.1	9.1	7.8	7.8	9.1	9.1	9.1
140°	9.1	9.1	7.8	7.8	7.8	6.5	6.5	6.5	7.8	7.8	7.8
142.5°	7.8	7.8	6.5	6.5	5.2	5.2	5.2	5.2	6.5	6.5	6.5
145°	5.2	5.2	5.2	5.2	3.9	3.9	3.9	3.9	5.2	5.2	5.2
147.5°	3.9	3.9	3.9	3.9	2.6	2.6	2.6	3.9	3.9	3.9	3.9
150°	2.6	2.6	2.6	2.6	2.6	1.3	2.6	2.6	2.6	2.6	2.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	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)