

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: P254789

Luminaire Tested: **LXF.LXT-AF24-40-D-U-5WQ-FL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254789
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-28)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-40-D-U-5WQ-FL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4241.4 lumens
Efficiency: N/A
Efficacy: 106.0 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 - G3

Input Watts (W): 40
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

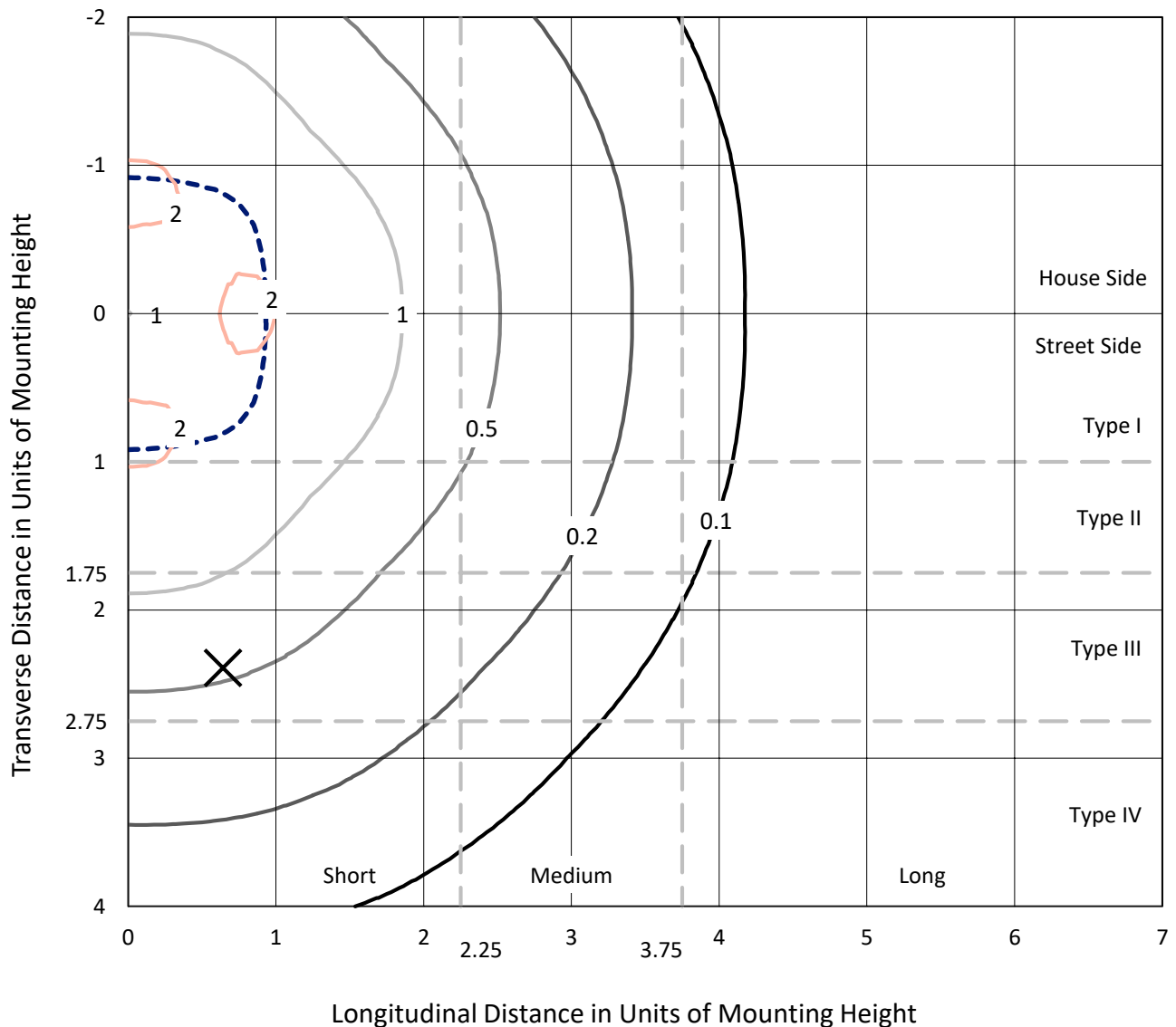


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

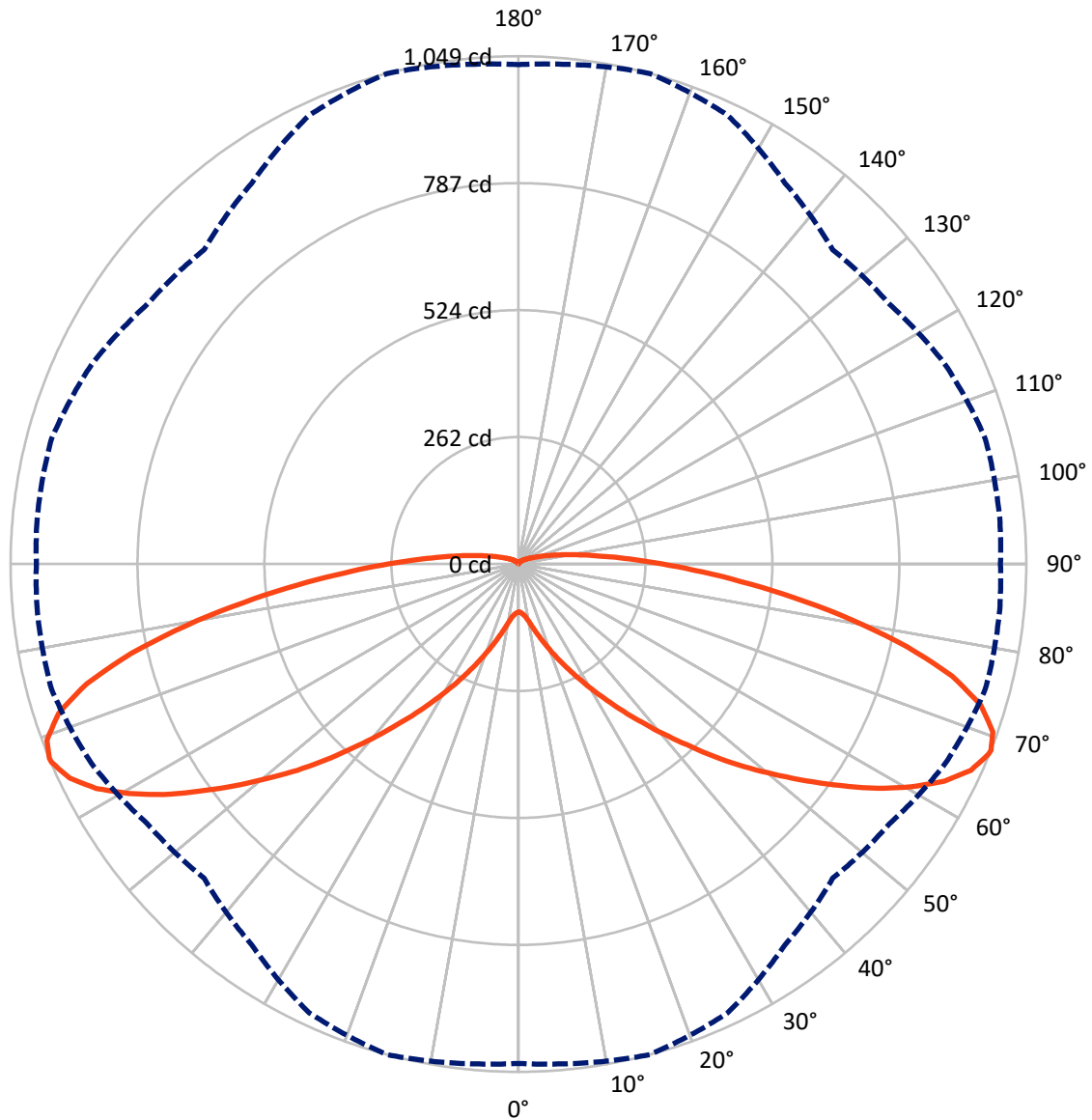


Based on 10 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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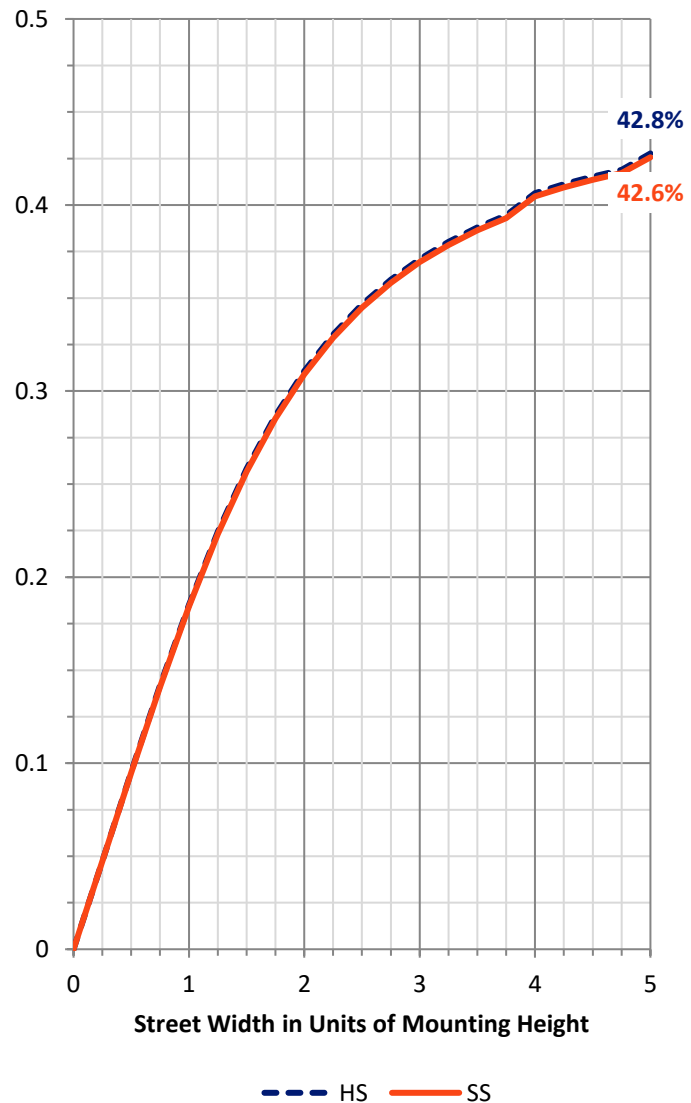
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1943.4	177.3	2120.7
	% Fixture	45.8	4.2	50.0
Street Side	Lumens	1943.4	177.3	2120.7
	% Fixture	45.8	4.2	50.0
Total	Lumens	3886.8	354.7	4241.4
	% Fixture	91.6	8.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.4	0.2
10°-20°	43.5	1.0
20°-30°	110.9	2.6
30°-40°	230.3	5.4
40°-50°	420.3	9.9
50°-60°	686.7	16.2
60°-70°	947.2	22.3
70°-80°	915.2	21.6
80°-90°	522.3	12.3
90°-100°	210.2	5.0
100°-110°	82.5	1.9
110°-120°	35.8	0.8
120°-130°	16.4	0.4
130°-140°	7.1	0.2
140°-150°	2.3	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3886.8	91.6
0°-180°	4241.4	100.0



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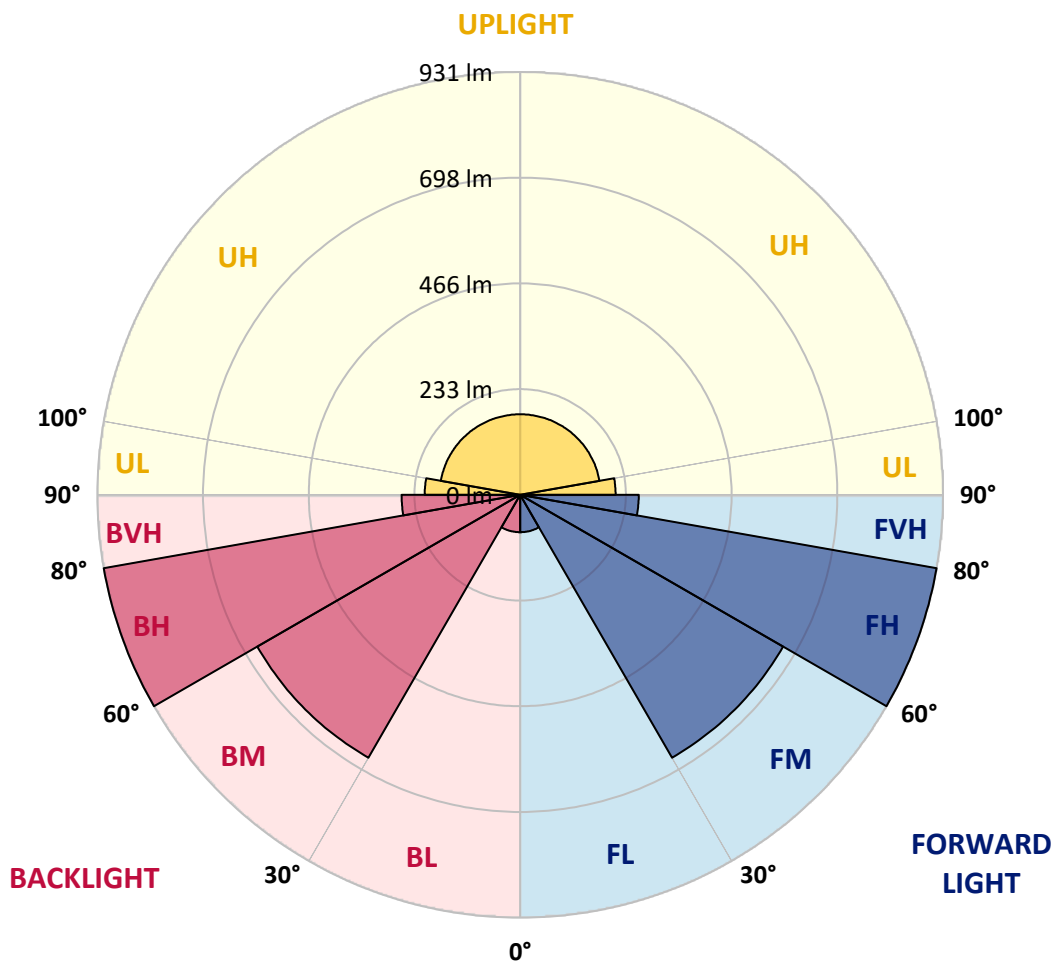
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	82.4	1.9			
FM (30°-60°)	668.6	15.8			
FH (60°-80°)	931.2	22.0			G1/1800
FVH (80°-90°)	261.1	6.2			G3/500
BL (0°-30°)	82.4	1.9	B0/110		
BM (30°-60°)	668.6	15.8	B1/1000		
BH (60°-80°)	931.2	22.0	B2/1000		G1/1800
BVH (80°-90°)	261.1	6.2			G3/500
UL (90°-100°)	210.2	5.0		U3/500	
UH (100°-180°)	177.3	4.2		U3/500	

BUG Rating: B2-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
2.5°	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.4	100.0	100.0	100.0
5°	103.8	104.4	104.4	104.4	104.4	104.4	104.4	103.8	103.8	103.8	103.8
7.5°	110.6	110.6	110.6	110.6	110.6	110.2	110.2	110.2	109.6	109.6	109.2
10°	121.3	121.3	121.3	120.7	120.3	119.8	119.8	119.3	118.9	118.9	118.3
12.5°	135.4	135.4	135.4	132.9	132.4	131.4	131.4	131.4	131.9	131.9	132.4
15°	152.3	152.3	152.3	149.3	147.5	145.0	146.0	146.5	147.5	147.5	147.9
17.5°	171.7	171.7	170.8	167.8	164.9	163.5	162.5	164.0	164.9	165.8	165.8
20°	193.1	193.1	191.6	187.7	184.8	183.9	182.9	182.9	185.3	186.3	185.3
22.5°	217.3	216.4	215.3	210.6	207.6	205.2	205.2	204.8	207.6	209.6	209.0
25°	245.0	243.9	241.1	235.8	232.4	229.5	229.0	229.0	233.9	236.8	236.2
27.5°	275.0	273.5	269.7	263.9	258.5	254.7	255.1	257.1	261.4	266.8	266.8
30°	308.0	307.0	300.8	294.9	286.2	281.4	282.3	287.7	293.5	299.3	299.8
32.5°	344.3	342.4	335.2	327.4	316.8	310.4	312.4	318.7	327.4	336.2	336.6
35°	384.7	382.7	374.0	363.3	349.7	341.6	344.3	354.1	365.7	376.0	376.4
37.5°	428.3	425.4	414.7	403.6	385.1	375.5	380.3	392.9	406.5	418.1	419.5
40°	473.0	473.0	461.3	446.3	423.9	412.4	417.7	434.7	452.2	462.7	465.2
42.5°	523.0	523.4	510.4	492.3	466.1	452.6	458.9	478.8	500.1	511.8	514.2
45°	575.2	576.8	567.0	541.8	511.8	495.3	502.5	527.7	551.5	563.7	565.6
47.5°	631.5	633.4	624.3	595.1	560.7	542.8	550.5	579.2	606.8	618.5	620.4
50°	691.2	692.7	681.6	653.0	614.1	592.3	602.0	634.0	662.6	674.2	677.2
52.5°	752.8	754.3	743.6	715.0	669.9	645.6	657.3	690.7	722.8	732.9	733.4
55°	815.0	816.8	807.7	776.7	728.1	700.5	713.6	749.0	783.4	793.1	796.0
57.5°	876.0	878.0	874.1	839.2	787.3	755.7	770.9	809.6	843.6	851.3	851.7
60°	933.3	936.7	933.7	899.3	843.1	808.6	824.6	865.4	899.3	905.6	906.7
62.5°	983.8	985.6	987.1	956.1	892.5	855.2	873.1	915.4	948.4	952.2	951.7
65°	1018.2	1022.0	1026.9	996.8	932.7	892.5	911.0	952.2	982.8	985.6	983.8
67.5°	1031.3	1036.7	1047.2	1020.6	957.5	915.4	933.3	971.7	997.7	999.2	995.9
68°	1031.3	1036.1	1048.8	1022.5	960.0	917.8	935.3	973.1	998.3	998.3	995.4
70°	1016.2	1023.0	1039.5	1019.6	960.4	919.8	934.7	967.3	988.6	984.7	980.4
72.5°	968.7	976.4	998.7	986.6	938.1	901.7	912.5	936.3	945.8	938.1	933.7
75°	886.2	894.5	925.0	923.1	888.6	858.6	864.9	875.6	875.6	861.0	853.2
77.5°	782.4	790.2	820.2	832.3	815.8	793.6	793.6	791.1	779.0	754.8	748.0
80°	659.2	666.1	698.0	723.8	720.8	708.2	702.4	686.9	665.5	638.8	629.2
82.5°	536.0	543.2	574.3	600.5	617.6	612.6	602.4	578.2	546.7	517.2	511.3
85°	424.9	427.3	459.9	493.3	512.8	514.6	504.0	473.0	440.5	411.4	404.6
87.5°	331.3	334.7	361.4	395.3	419.1	421.0	410.4	378.8	347.3	321.1	315.3
90°	254.7	260.0	281.4	311.9	334.7	339.6	328.9	300.8	271.2	247.4	242.5
92.5°	196.4	199.8	218.7	245.0	265.8	272.2	262.4	237.6	212.0	191.1	189.1
95°	154.3	155.2	170.2	192.7	210.0	218.3	209.0	188.3	165.8	148.9	147.0
97.5°	119.3	121.3	133.4	152.3	168.4	173.6	166.8	149.3	131.0	114.9	113.5
100°	92.7	94.1	104.8	121.8	134.8	139.8	134.4	119.8	102.8	90.2	90.2
102.5°	73.8	74.2	82.9	97.0	107.7	112.1	108.1	96.0	81.5	71.3	71.8
105°	59.2	59.2	66.0	78.5	88.7	91.7	88.3	77.6	65.0	57.3	57.3
107.5°	47.5	48.1	53.3	64.0	73.2	76.2	73.2	63.6	52.3	46.6	46.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	39.4	39.4	43.1	52.3	60.6	63.6	60.6	51.9	42.7	37.8	37.8
112.5°	32.4	32.4	35.4	43.1	50.5	53.3	50.5	42.7	35.0	31.5	31.5
115°	27.7	27.7	29.6	35.9	42.2	44.6	42.2	35.9	29.1	27.2	27.2
117.5°	23.8	23.8	25.2	30.0	35.4	37.8	35.4	29.6	24.7	23.3	23.3
120°	20.9	20.9	21.3	24.7	29.6	31.5	29.6	24.7	20.9	19.8	19.8
122.5°	17.9	17.9	17.9	20.9	24.7	26.2	24.2	20.9	17.9	17.5	17.5
125°	16.1	15.6	16.1	17.5	20.3	22.3	20.3	17.5	15.6	15.6	15.6
127.5°	14.1	14.1	13.5	14.5	16.9	17.9	16.9	14.5	13.5	13.5	13.5
130°	12.1	12.1	12.1	12.6	13.5	14.5	14.1	12.6	12.1	12.1	12.1
132.5°	10.7	10.7	10.2	10.7	11.2	11.7	11.2	10.2	10.2	10.7	10.7
135°	9.2	9.2	9.2	8.7	8.7	9.2	8.7	8.7	9.2	9.2	9.2
137.5°	8.2	8.2	7.7	7.3	6.8	6.8	6.8	7.3	7.7	7.7	8.2
140°	6.8	6.8	6.3	5.8	5.4	5.4	5.4	5.8	6.3	6.8	6.8
142.5°	5.8	5.8	5.4	4.4	4.0	3.4	4.0	4.4	4.8	5.4	5.4
145°	4.4	4.4	4.0	3.4	2.9	2.4	2.4	3.4	4.0	4.4	4.4
147.5°	3.4	3.4	2.9	2.4	1.9	1.4	1.4	2.4	2.9	3.4	3.4
150°	2.4	2.4	1.9	1.4	1.0	1.0	1.0	1.4	1.9	1.9	2.4
152.5°	1.4	1.4	1.0	1.0	0.4	0.4	0.4	1.0	1.0	1.4	1.4
155°	0.4	1.0	0.4	0.4	0.4	0.0	0.4	0.4	0.4	1.0	1.0
157.5°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
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)