

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: P695063

Luminaire Tested: **LXF.LXT-PA16-40-730-U-5WQ-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695063
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-PA16-40-730-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 740mA 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: 4340 lumens
Efficiency: N/A
Efficacy: 108.0 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 - G3

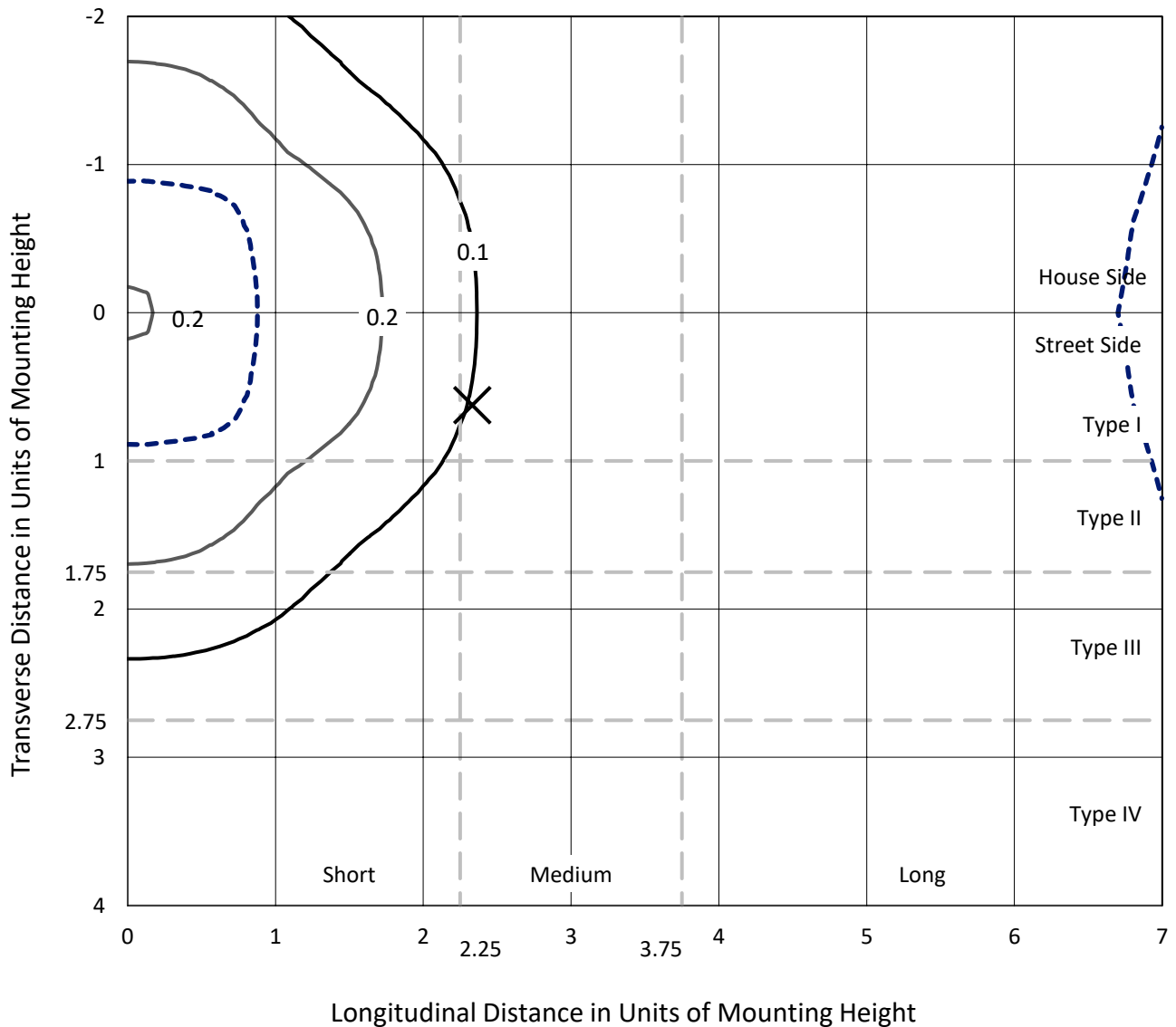
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

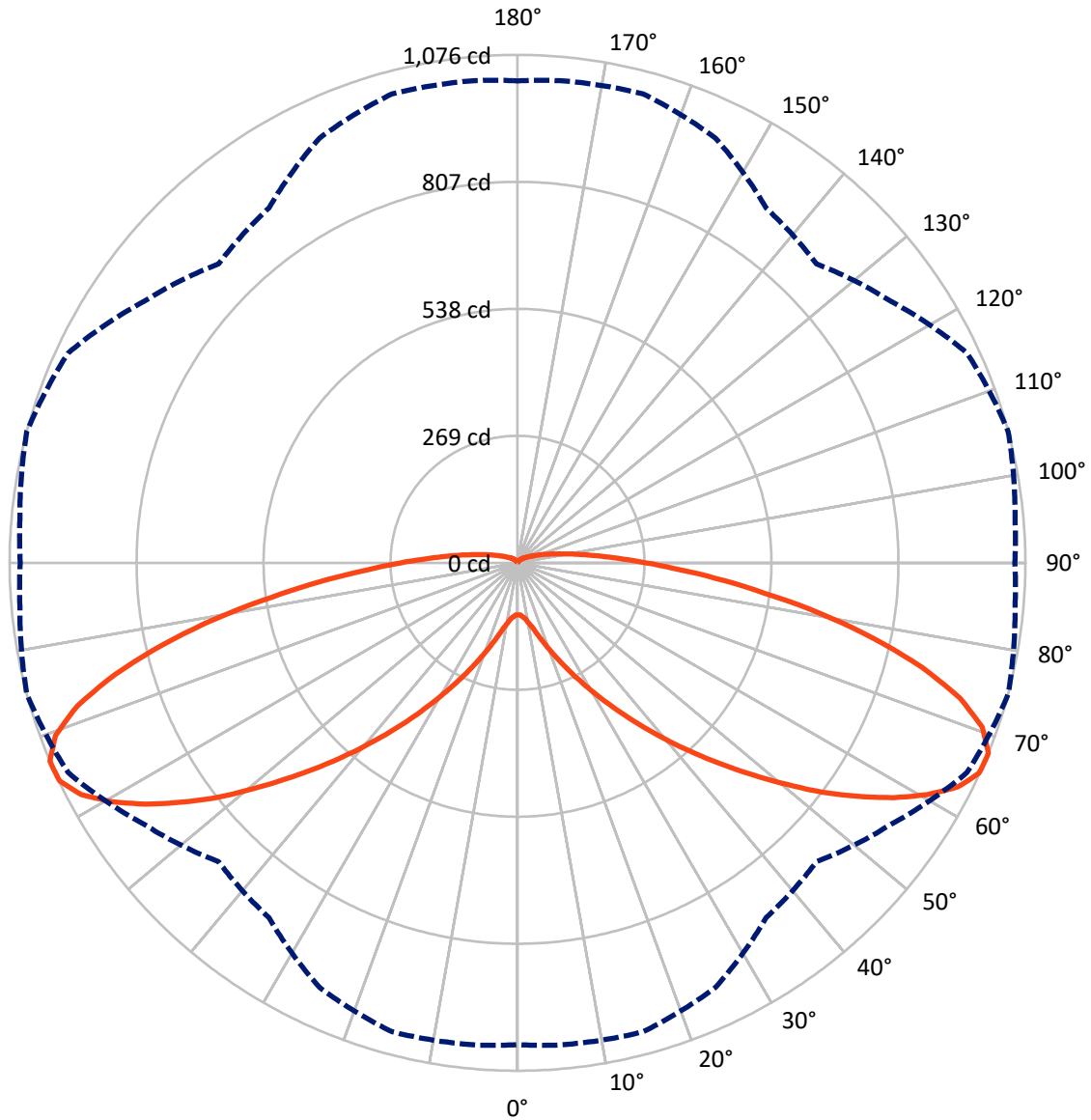
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 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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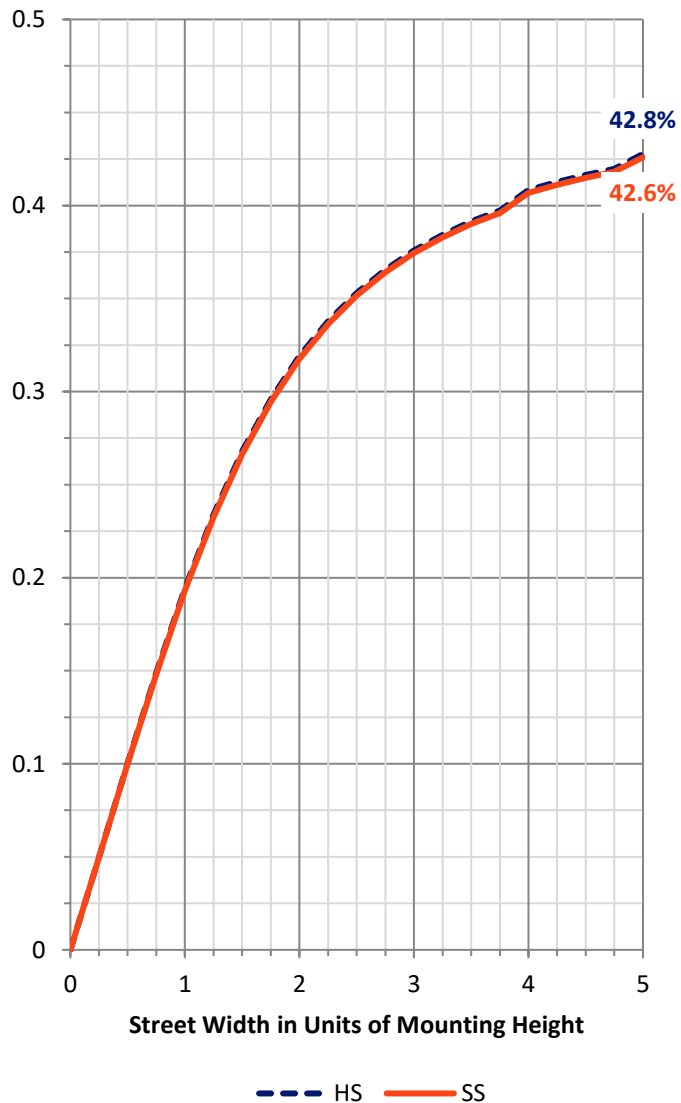
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1980.2	189.9	2170.0
	% Fixture	45.6	4.4	50.0
Street Side	Lumens	1980.2	189.9	2170.0
	% Fixture	45.6	4.4	50.0
Total	Lumens	3960.3	379.7	4340.0
	% Fixture	91.3	8.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.4	0.3
10°-20°	46.1	1.1
20°-30°	118.0	2.7
30°-40°	247.4	5.7
40°-50°	451.5	10.4
50°-60°	731.1	16.8
60°-70°	972.8	22.4
70°-80°	886.5	20.4
80°-90°	495.5	11.4
90°-100°	210.8	4.9
100°-110°	91.3	2.1
110°-120°	43.0	1.0
120°-130°	21.2	0.5
130°-140°	9.8	0.2
140°-150°	3.5	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3960.3	91.3
0°-180°	4340.0	100.0

Coefficient of Utilization

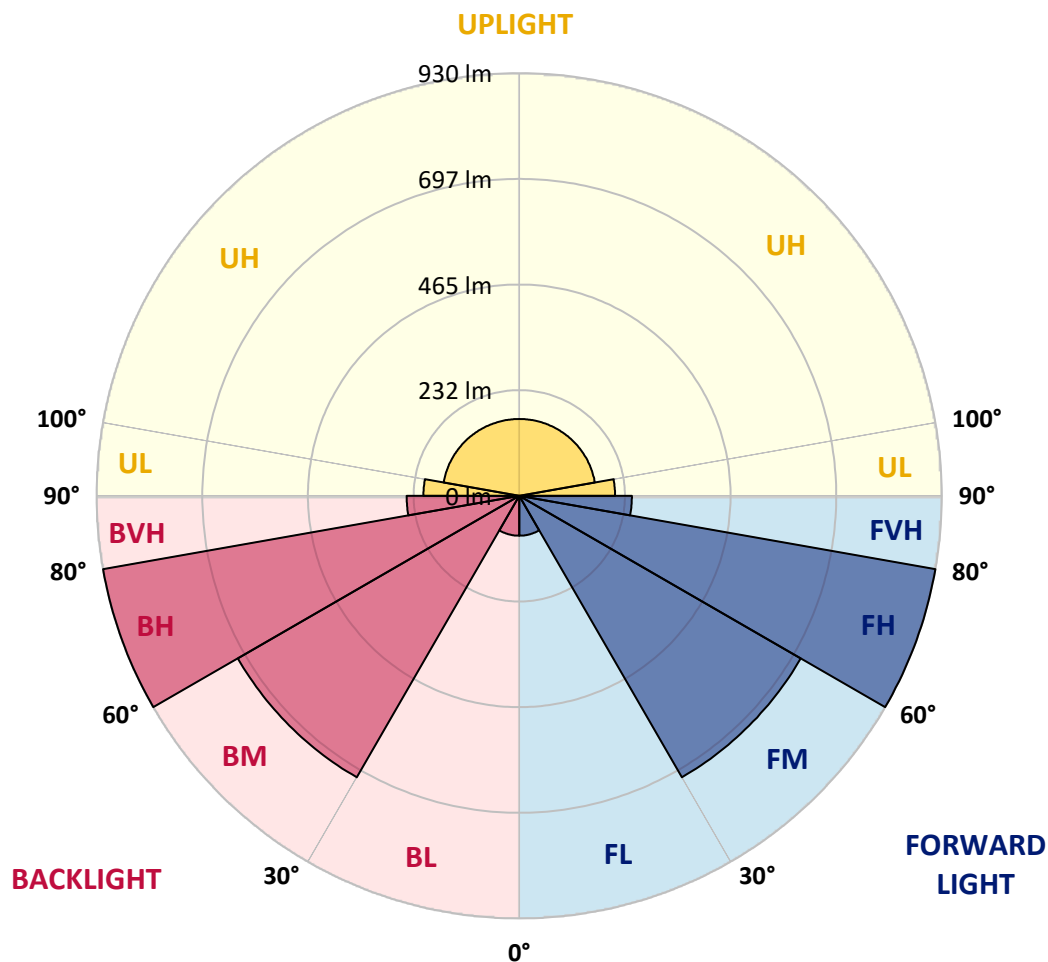


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	87.7	2.0			
FM (30°-60°)	715.0	16.5			
FH (60°-80°)	929.7	21.4			G1/1800
FVH (80°-90°)	247.7	5.7			G3/500
BL (0°-30°)	87.7	2.0	B0/110		
BM (30°-60°)	715.0	16.5	B1/1000		
BH (60°-80°)	929.7	21.4	B2/1000		G1/1800
BVH (80°-90°)	247.7	5.7			G3/500
UL (90°-100°)	210.8	4.9		U3/500	
UH (100°-180°)	168.9	3.9		U3/500	

BUG Rating: B2-U3-G3
 Type V Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	110.4	110.4	110.4	110.4	110.4	110.4	110.4	110.4	110.4	110.4	110.4
2.5°	110.4	110.4	110.4	110.4	110.4	111.9	111.9	110.4	110.4	110.4	110.4
5°	113.4	113.4	114.9	114.9	114.9	114.9	114.9	114.9	114.9	114.9	114.9
7.5°	119.4	119.4	119.4	120.9	120.9	120.9	120.9	119.4	119.4	119.4	120.9
10°	129.8	129.8	128.3	129.8	128.3	128.3	129.8	128.3	129.8	128.3	128.3
12.5°	141.8	141.8	141.8	141.8	140.3	140.3	140.3	140.3	140.3	141.8	141.8
15°	158.2	158.2	158.2	156.7	155.2	153.7	155.2	156.7	156.7	158.2	158.2
17.5°	179.1	179.1	177.6	176.1	174.6	173.1	173.1	174.6	176.1	177.6	177.6
20°	201.5	201.5	200.0	197.0	194.0	195.5	195.5	197.0	198.5	200.0	200.0
22.5°	226.8	225.3	223.8	220.9	219.4	217.9	219.4	219.4	223.8	226.8	225.3
25°	255.2	255.2	252.2	247.7	244.7	244.7	246.2	247.7	252.2	255.2	256.7
27.5°	288.0	285.0	282.0	277.6	273.1	271.6	273.1	279.1	283.5	289.5	288.0
30°	323.8	322.3	316.4	310.4	302.9	299.9	305.9	311.9	319.3	323.8	326.8
32.5°	362.6	362.6	355.2	344.7	335.8	332.8	337.3	349.2	358.1	364.1	368.6
35°	404.4	404.4	395.5	383.5	371.6	365.6	374.6	389.5	401.4	410.4	411.9
37.5°	453.7	450.7	441.7	425.3	405.9	402.9	413.4	431.3	447.7	458.1	458.1
40°	502.9	499.9	491.0	470.1	444.7	440.2	452.2	479.0	498.4	507.4	508.9
42.5°	556.6	552.1	543.2	520.8	489.5	480.5	498.4	529.8	552.1	562.6	562.6
45°	608.8	610.3	596.9	571.5	537.2	523.8	546.2	583.5	610.3	619.3	622.3
47.5°	667.0	668.5	655.1	623.8	585.0	573.0	598.4	638.7	671.5	679.0	682.0
50°	731.2	731.2	720.8	682.0	638.7	622.3	653.6	705.8	737.2	744.6	746.1
52.5°	793.9	792.4	784.9	741.7	692.4	674.5	710.3	770.0	807.3	808.8	808.8
55°	856.6	855.1	846.1	804.3	746.1	726.7	770.0	837.2	873.0	876.0	877.5
57.5°	911.8	911.8	902.8	861.0	796.9	776.0	826.7	901.3	938.6	938.6	938.6
60°	962.5	962.5	958.0	913.3	844.6	822.2	880.4	961.0	996.8	992.4	992.4
62.5°	1001.3	1002.8	999.8	955.1	881.9	861.0	925.2	1010.3	1046.1	1037.1	1032.7
65°	1023.7	1025.2	1026.7	984.9	910.3	887.9	955.1	1044.6	1074.4	1061.0	1056.5
67.5°	1020.7	1025.2	1028.2	992.4	917.7	895.4	965.5	1050.6	1075.9	1058.0	1053.5
70°	992.4	998.3	1004.3	974.5	905.8	884.9	952.1	1031.2	1044.6	1023.7	1016.2
72.5°	937.1	938.6	953.6	932.7	873.0	852.1	910.3	977.4	980.4	955.1	946.1
75°	855.1	855.1	874.5	859.5	814.8	796.9	844.6	893.9	884.9	858.1	847.6
77.5°	750.6	758.1	774.5	773.0	737.2	728.2	762.6	784.9	771.5	737.2	726.7
80°	634.2	640.2	664.1	670.0	649.1	640.2	664.1	671.5	650.6	616.3	607.4
82.5°	526.8	532.7	555.1	571.5	558.1	550.6	562.6	556.6	526.8	496.9	491.0
85°	428.3	429.8	456.6	468.6	468.6	462.6	464.1	447.7	420.8	389.5	380.5
87.5°	341.7	341.7	365.6	383.5	388.0	383.5	379.0	358.1	328.3	302.9	301.4
90°	270.1	271.6	291.0	308.9	316.4	313.4	302.9	282.0	258.2	235.8	232.8
92.5°	214.9	217.9	232.8	250.7	259.7	258.2	246.2	226.8	202.9	185.0	183.5
95°	173.1	173.1	186.5	201.5	211.9	211.9	201.5	182.1	161.2	144.8	143.3
97.5°	137.3	138.8	150.7	164.2	173.1	173.1	164.2	147.7	128.3	114.9	111.9
100°	111.9	111.9	120.9	134.3	143.3	143.3	134.3	119.4	103.0	91.0	89.5
102.5°	89.5	91.0	98.5	110.4	117.9	119.4	111.9	100.0	83.6	73.1	73.1
105°	74.6	74.6	82.1	91.0	98.5	100.0	94.0	82.1	68.6	59.7	58.2
107.5°	61.2	61.2	67.2	77.6	83.6	85.1	79.1	68.6	56.7	49.2	47.8
110°	52.2	50.7	55.2	64.2	71.6	71.6	67.2	58.2	46.3	40.3	40.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	43.3	43.3	46.3	53.7	59.7	62.7	58.2	49.2	38.8	34.3	34.3
115°	37.3	37.3	40.3	46.3	52.2	52.2	49.2	40.3	32.8	29.8	29.8
117.5°	32.8	32.8	34.3	38.8	43.3	44.8	41.8	34.3	28.4	25.4	25.4
120°	28.4	28.4	29.8	32.8	37.3	38.8	35.8	29.8	23.9	22.4	22.4
122.5°	25.4	25.4	25.4	28.4	32.8	32.8	29.8	25.4	20.9	19.4	19.4
125°	22.4	22.4	22.4	23.9	26.9	28.4	25.4	20.9	17.9	17.9	17.9
127.5°	19.4	19.4	19.4	20.9	23.9	23.9	22.4	17.9	16.4	16.4	16.4
130°	17.9	17.9	17.9	17.9	19.4	19.4	17.9	14.9	14.9	14.9	14.9
132.5°	14.9	14.9	14.9	14.9	16.4	16.4	14.9	13.4	11.9	13.4	13.4
135°	13.4	13.4	13.4	13.4	13.4	13.4	11.9	10.4	10.4	11.9	11.9
137.5°	11.9	11.9	11.9	10.4	10.4	10.4	9.0	9.0	10.4	10.4	10.4
140°	10.4	10.4	9.0	9.0	9.0	7.5	7.5	7.5	9.0	9.0	9.0
142.5°	9.0	9.0	7.5	7.5	6.0	6.0	6.0	6.0	7.5	7.5	7.5
145°	6.0	6.0	6.0	6.0	4.5	4.5	4.5	4.5	6.0	6.0	6.0
147.5°	4.5	4.5	4.5	4.5	3.0	3.0	3.0	4.5	4.5	4.5	4.5
150°	3.0	3.0	3.0	3.0	3.0	1.5	3.0	3.0	3.0	3.0	3.0
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)