

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: P695483

Luminaire Tested: **LXF.LXT-PA16-50-827-U-5WQ-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695483
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-PA16-50-827-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 980mA 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: 4510.1 lumens
Efficiency: N/A
Efficacy: 84.9 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 - G3

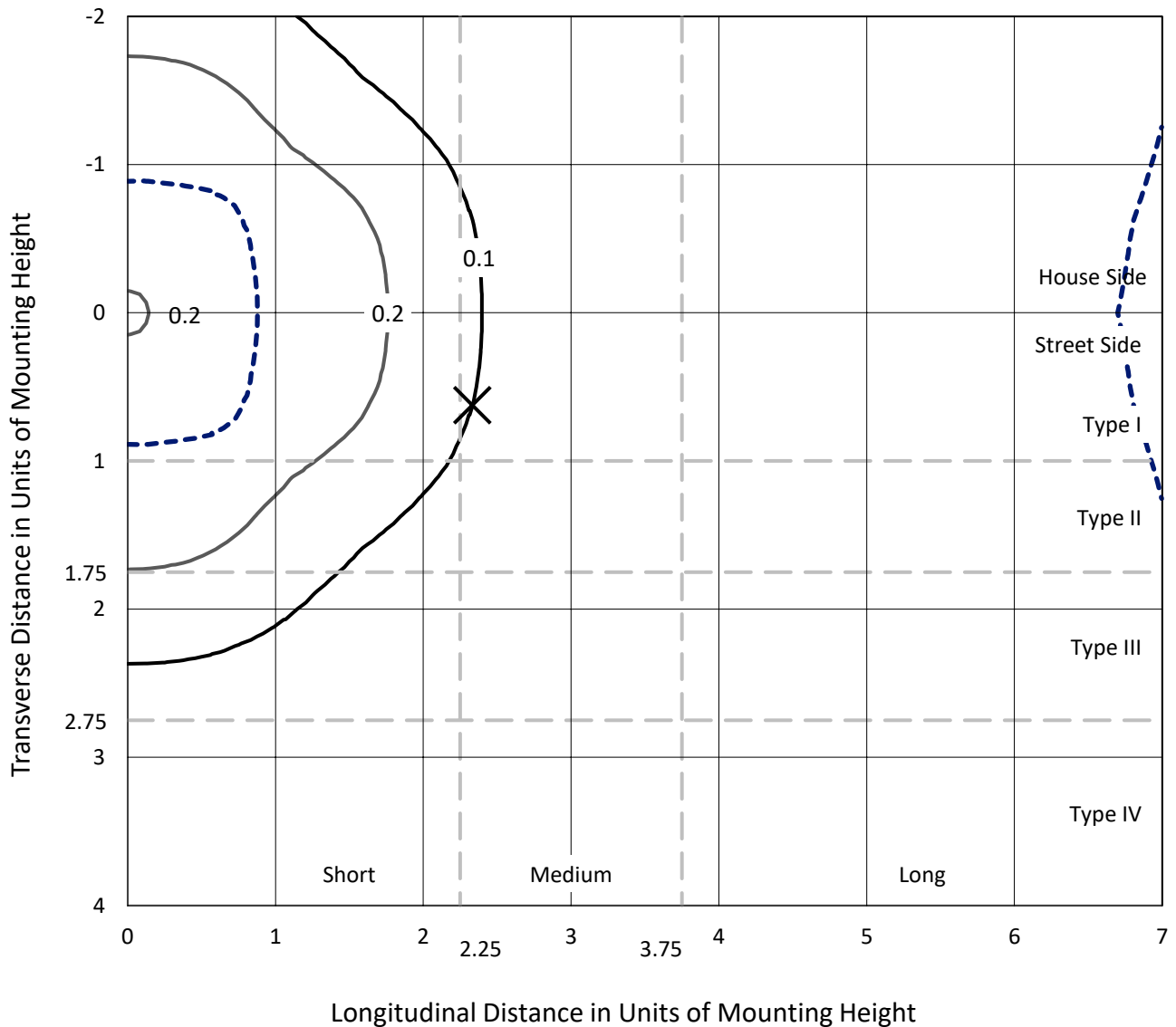
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

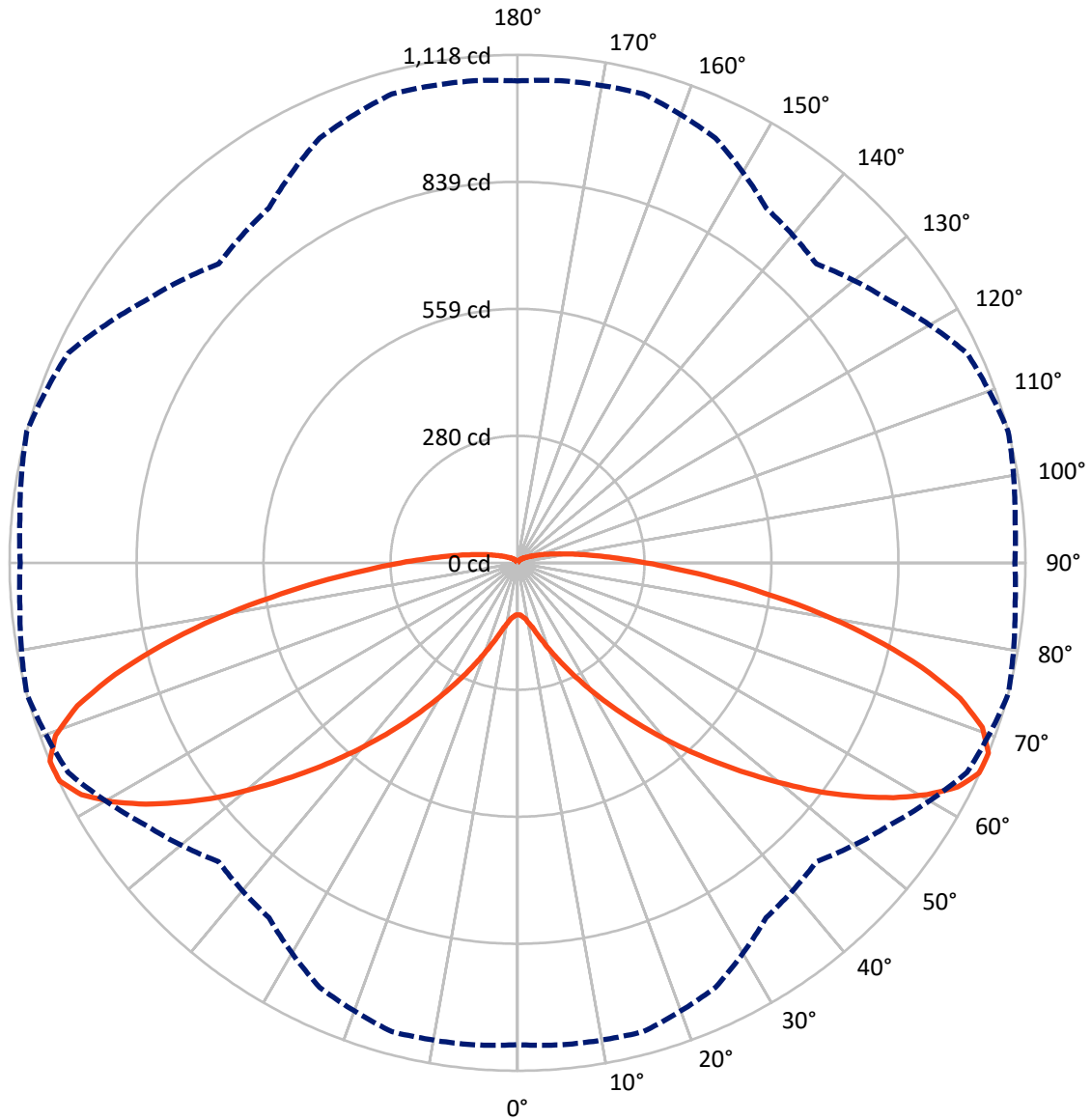
✕ Max cd
 - - - 1/2 Max cd



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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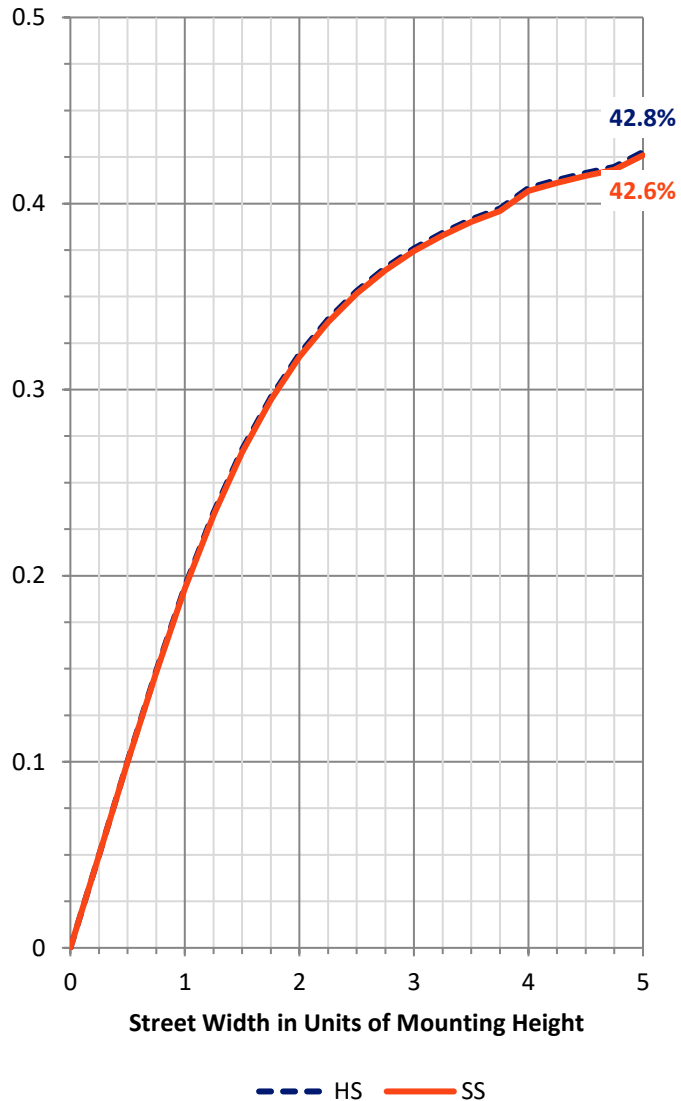
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2057.7	197.3	2255.0
	% Fixture	45.6	4.4	50.0
Street Side	Lumens	2057.7	197.3	2255.0
	% Fixture	45.6	4.4	50.0
Total	Lumens	4115.4	394.6	4510.1
	% Fixture	91.3	8.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.8	0.3
10°-20°	47.9	1.1
20°-30°	122.6	2.7
30°-40°	257.1	5.7
40°-50°	469.2	10.4
50°-60°	759.7	16.8
60°-70°	1010.9	22.4
70°-80°	921.3	20.4
80°-90°	514.9	11.4
90°-100°	219.0	4.9
100°-110°	94.8	2.1
110°-120°	44.7	1.0
120°-130°	22.0	0.5
130°-140°	10.3	0.2
140°-150°	3.7	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4115.4	91.3
0°-180°	4510.1	100.0

Coefficient of Utilization

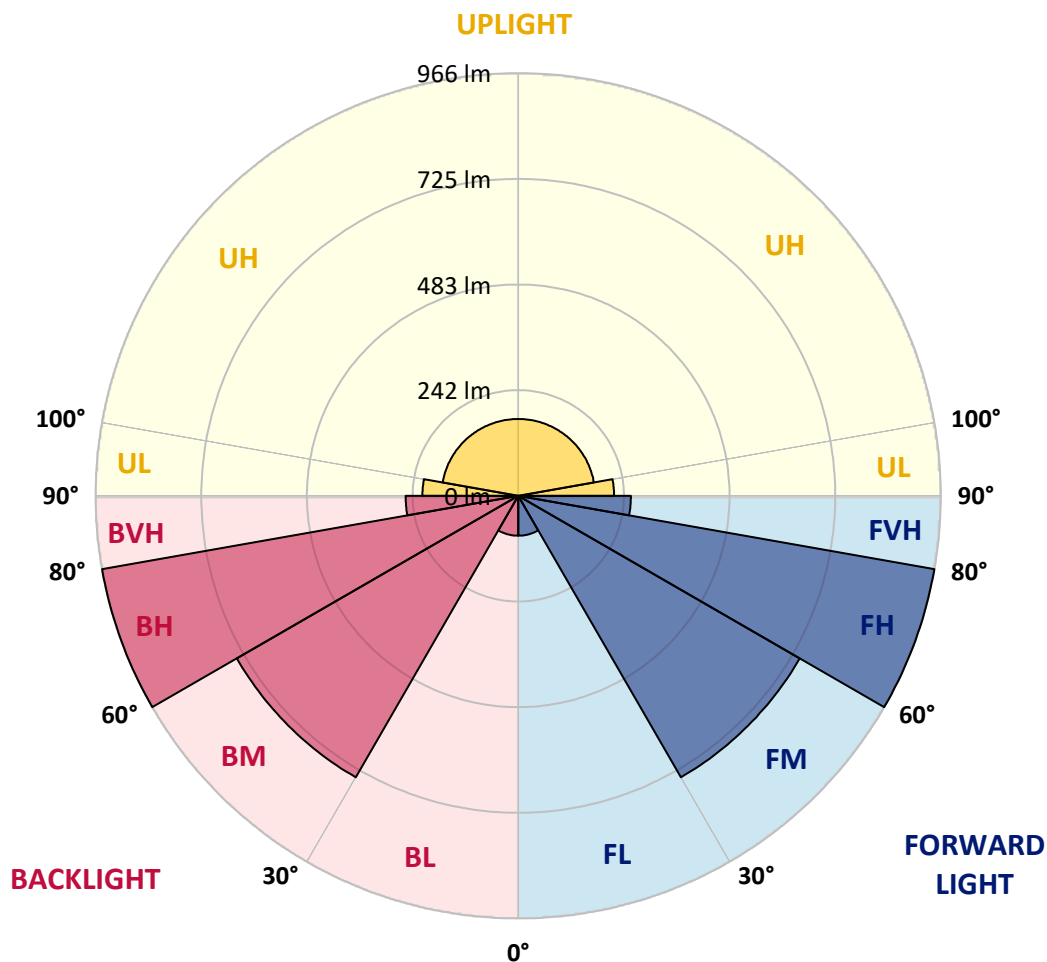


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	91.2	2.0			
FM (30°-60°)	743.0	16.5			
FH (60°-80°)	966.1	21.4			G1/1800
FVH (80°-90°)	257.4	5.7			G3/500
BL (0°-30°)	91.2	2.0	B0/110		
BM (30°-60°)	743.0	16.5	B1/1000		
BH (60°-80°)	966.1	21.4	B2/1000		G1/1800
BVH (80°-90°)	257.4	5.7			G3/500
UL (90°-100°)	219.0	4.9		U3/500	
UH (100°-180°)	175.6	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°	114.8	114.8	114.8	114.8	114.8	114.8	114.8	114.8	114.8	114.8	114.8
2.5°	114.8	114.8	114.8	114.8	114.8	116.3	116.3	114.8	114.8	114.8	114.8
5°	117.9	117.9	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4
7.5°	124.1	124.1	124.1	125.6	125.6	125.6	125.6	124.1	124.1	124.1	125.6
10°	134.9	134.9	133.4	134.9	133.4	133.4	134.9	133.4	134.9	133.4	133.4
12.5°	147.3	147.3	147.3	147.3	145.8	145.8	145.8	145.8	145.8	147.3	147.3
15°	164.4	164.4	164.4	162.8	161.3	159.7	161.3	162.8	162.8	164.4	164.4
17.5°	186.1	186.1	184.5	183.0	181.4	179.9	179.9	181.4	183.0	184.5	184.5
20°	209.3	209.3	207.8	204.7	201.6	203.1	203.1	204.7	206.2	207.8	207.8
22.5°	235.7	234.2	232.6	229.5	228.0	226.4	228.0	228.0	232.6	235.7	234.2
25°	265.2	265.2	262.1	257.4	254.3	254.3	255.9	257.4	262.1	265.2	266.7
27.5°	299.3	296.2	293.1	288.4	283.8	282.2	283.8	290.0	294.6	300.8	299.3
30°	336.5	335.0	328.8	322.6	314.8	311.7	317.9	324.1	331.9	336.5	339.6
32.5°	376.8	376.8	369.1	358.2	348.9	345.8	350.5	362.9	372.2	378.4	383.0
35°	420.2	420.2	410.9	398.5	386.1	379.9	389.2	404.7	417.1	426.4	428.0
37.5°	471.4	468.3	459.0	442.0	421.8	418.7	429.6	448.2	465.2	476.1	476.1
40°	522.6	519.5	510.2	488.5	462.1	457.5	469.9	497.8	517.9	527.2	528.8
42.5°	578.4	573.8	564.5	541.2	508.6	499.3	517.9	550.5	573.8	584.6	584.6
45°	632.7	634.2	620.3	593.9	558.3	544.3	567.6	606.3	634.2	643.6	646.7
47.5°	693.2	694.7	680.8	648.2	607.9	595.5	621.8	663.7	697.8	705.6	708.7
50°	759.9	759.9	749.0	708.7	663.7	646.7	679.2	733.5	766.1	773.8	775.4
52.5°	825.0	823.4	815.7	770.7	719.5	700.9	738.1	800.2	838.9	840.5	840.5
55°	890.1	888.6	879.3	835.8	775.4	755.2	800.2	870.0	907.2	910.3	911.8
57.5°	947.5	947.5	938.2	894.8	828.1	806.4	859.1	936.6	975.4	975.4	975.4
60°	1000.2	1000.2	995.6	949.0	877.7	854.5	914.9	998.7	1035.9	1031.2	1031.2
62.5°	1040.5	1042.1	1039.0	992.5	916.5	894.8	961.5	1049.8	1087.1	1077.8	1073.1
65°	1063.8	1065.3	1066.9	1023.5	945.9	922.7	992.5	1085.5	1116.5	1102.6	1097.9
67.5°	1060.7	1065.3	1068.5	1031.2	953.7	930.4	1003.3	1091.7	1118.1	1099.5	1094.8
70°	1031.2	1037.4	1043.6	1012.6	941.3	919.6	989.4	1071.6	1085.5	1063.8	1056.0
72.5°	973.9	975.4	990.9	969.2	907.2	885.5	945.9	1015.7	1018.8	992.5	983.2
75°	888.6	888.6	908.7	893.2	846.7	828.1	877.7	928.9	919.6	891.7	880.8
77.5°	780.0	787.8	804.8	803.3	766.1	756.8	792.4	815.7	801.7	766.1	755.2
80°	659.1	665.3	690.1	696.3	674.6	665.3	690.1	697.8	676.1	640.4	631.1
82.5°	547.4	553.6	576.9	593.9	580.0	572.2	584.6	578.4	547.4	516.4	510.2
85°	445.1	446.6	474.5	486.9	486.9	480.7	482.3	465.2	437.3	404.7	395.4
87.5°	355.1	355.1	379.9	398.5	403.2	398.5	393.9	372.2	341.2	314.8	313.2
90°	280.7	282.2	302.4	321.0	328.8	325.7	314.8	293.1	268.3	245.0	241.9
92.5°	223.3	226.4	241.9	260.5	269.8	268.3	255.9	235.7	210.9	192.3	190.7
95°	179.9	179.9	193.8	209.3	220.2	220.2	209.3	189.2	167.5	150.4	148.9
97.5°	142.7	144.2	156.6	170.6	179.9	179.9	170.6	153.5	133.4	119.4	116.3
100°	116.3	116.3	125.6	139.6	148.9	148.9	139.6	124.1	107.0	94.6	93.0
102.5°	93.0	94.6	102.3	114.8	122.5	124.1	116.3	103.9	86.8	76.0	76.0
105°	77.5	77.5	85.3	94.6	102.3	103.9	97.7	85.3	71.3	62.0	60.5
107.5°	63.6	63.6	69.8	80.6	86.8	88.4	82.2	71.3	58.9	51.2	49.6
110°	54.3	52.7	57.4	66.7	74.4	74.4	69.8	60.5	48.1	41.9	41.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	45.0	45.0	48.1	55.8	62.0	65.1	60.5	51.2	40.3	35.7	35.7
115°	38.8	38.8	41.9	48.1	54.3	54.3	51.2	41.9	34.1	31.0	31.0
117.5°	34.1	34.1	35.7	40.3	45.0	46.5	43.4	35.7	29.5	26.4	26.4
120°	29.5	29.5	31.0	34.1	38.8	40.3	37.2	31.0	24.8	23.3	23.3
122.5°	26.4	26.4	26.4	29.5	34.1	34.1	31.0	26.4	21.7	20.2	20.2
125°	23.3	23.3	23.3	24.8	27.9	29.5	26.4	21.7	18.6	18.6	18.6
127.5°	20.2	20.2	20.2	21.7	24.8	24.8	23.3	18.6	17.1	17.1	17.1
130°	18.6	18.6	18.6	18.6	20.2	20.2	18.6	15.5	15.5	15.5	15.5
132.5°	15.5	15.5	15.5	15.5	17.1	17.1	15.5	14.0	12.4	14.0	14.0
135°	14.0	14.0	14.0	14.0	14.0	14.0	12.4	10.9	10.9	12.4	12.4
137.5°	12.4	12.4	12.4	10.9	10.9	10.9	9.3	9.3	10.9	10.9	10.9
140°	10.9	10.9	9.3	9.3	9.3	7.8	7.8	7.8	9.3	9.3	9.3
142.5°	9.3	9.3	7.8	7.8	6.2	6.2	6.2	6.2	7.8	7.8	7.8
145°	6.2	6.2	6.2	6.2	4.7	4.7	4.7	4.7	6.2	6.2	6.2
147.5°	4.7	4.7	4.7	4.7	3.1	3.1	3.1	4.7	4.7	4.7	4.7
150°	3.1	3.1	3.1	3.1	3.1	1.6	3.1	3.1	3.1	3.1	3.1
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)