

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: P694942

Luminaire Tested: **LXF.LXT-PA16-30-827-U-5WQ-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694942
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-827-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2995.1 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short
BUG Rating: B2 - U3 - G1

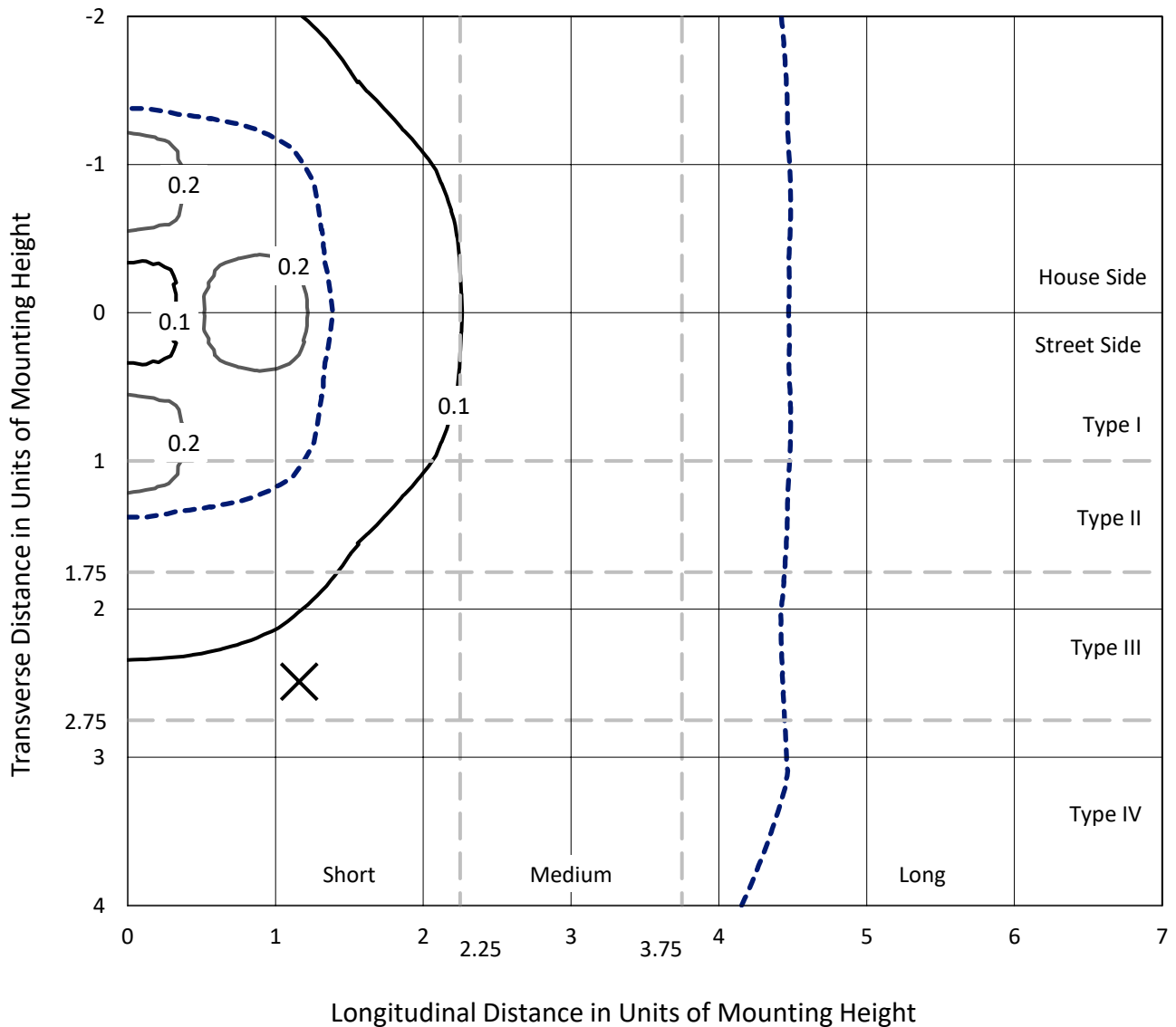
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

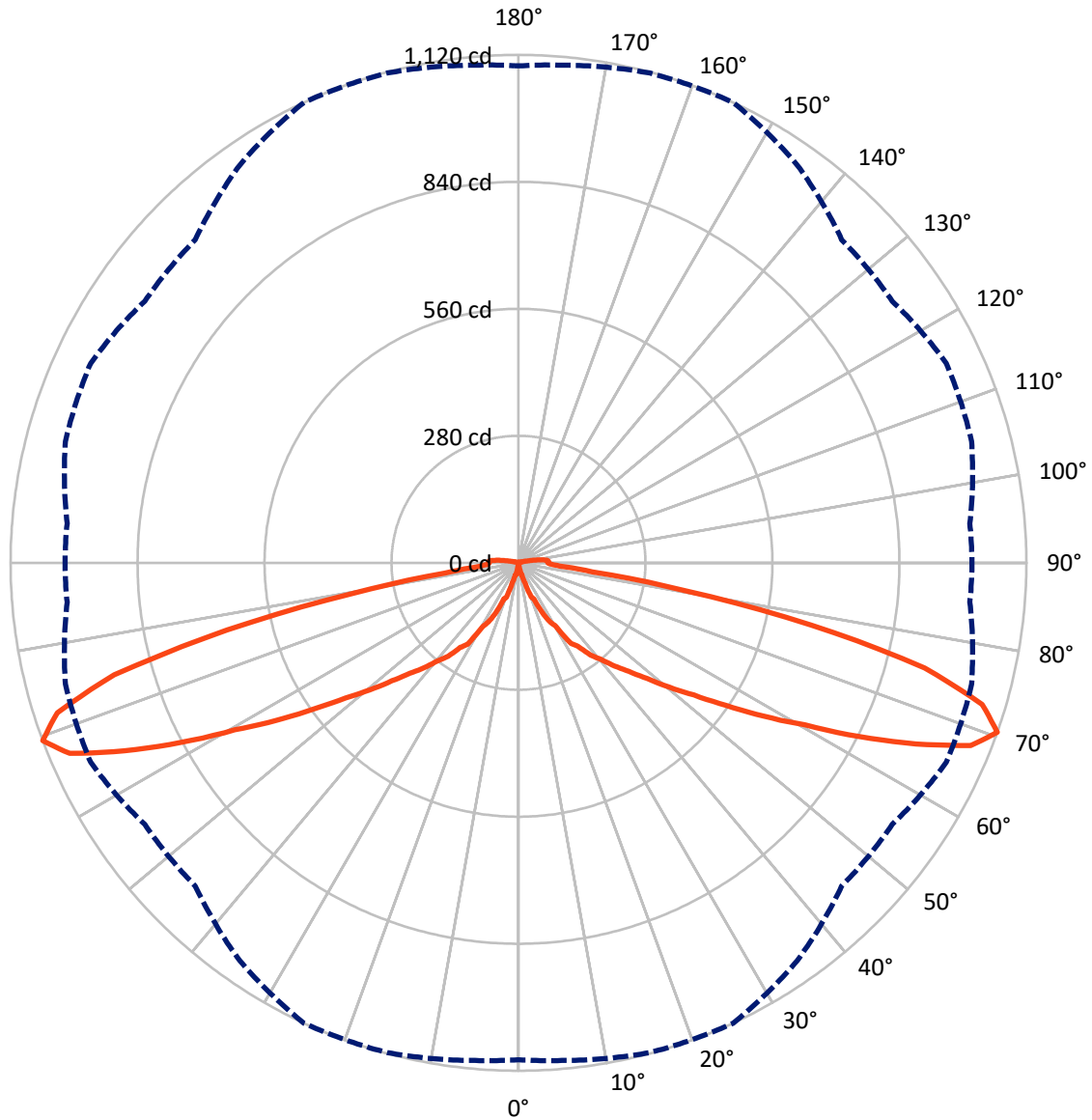
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 25-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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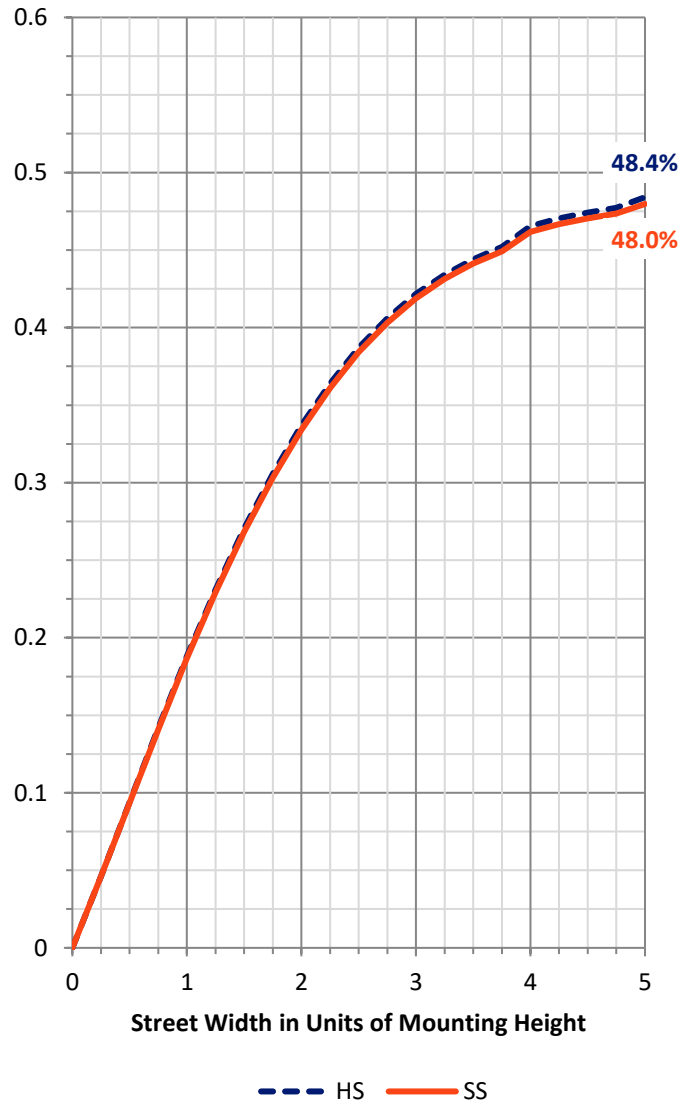
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1460.1	37.5	1497.5
	% Fixture	48.7	1.3	50.0
Street Side	Lumens	1460.1	37.5	1497.5
	% Fixture	48.7	1.3	50.0
Total	Lumens	2920.1	74.9	2995.1
	% Fixture	97.5	2.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	11.4	0.4
20°-30°	59.9	2.0
30°-40°	150.6	5.0
40°-50°	274.3	9.2
50°-60°	500.2	16.7
60°-70°	904.8	30.2
70°-80°	861.8	28.8
80°-90°	157.0	5.2
90°-100°	60.7	2.0
100°-110°	8.8	0.3
110°-120°	2.3	0.1
120°-130°	1.5	0.0
130°-140°	0.9	0.0
140°-150°	0.6	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2920.1	97.5
0°-180°	2995.1	100.0

Coefficient of Utilization



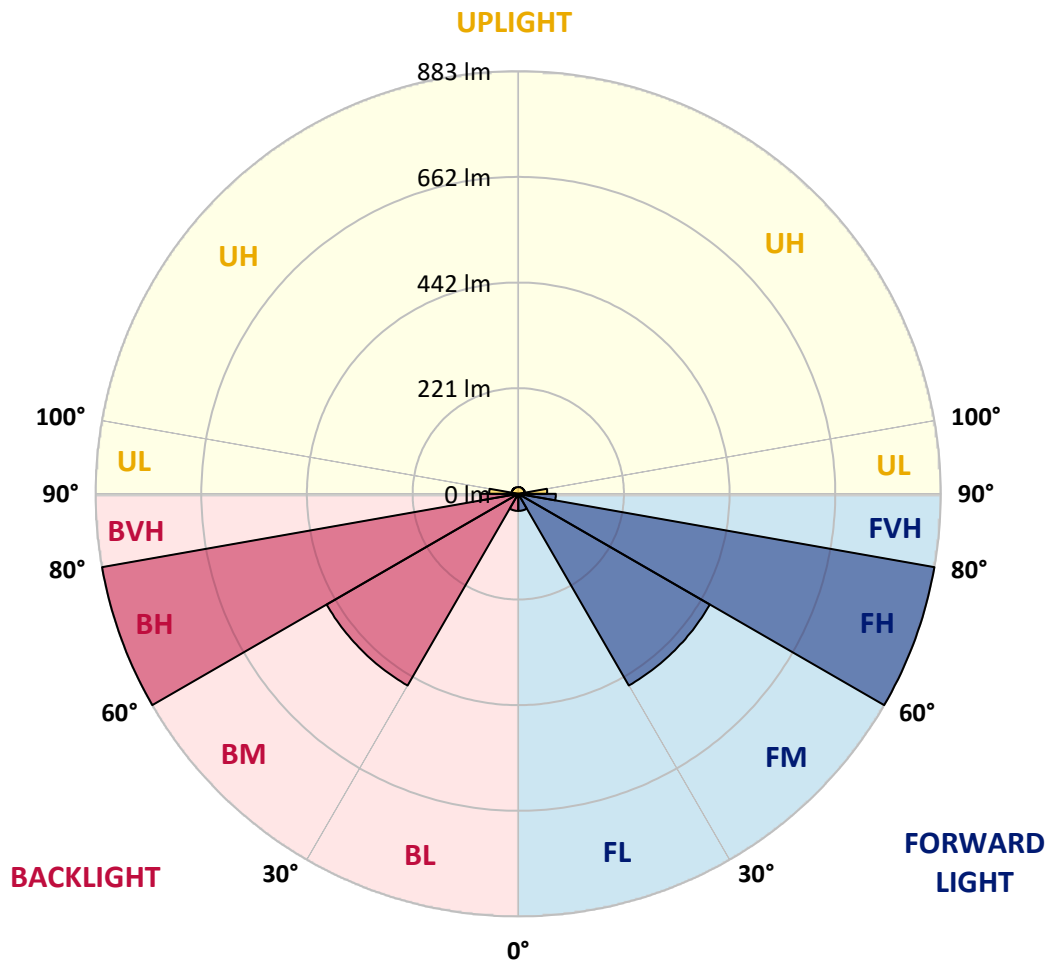
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	35.7	1.2			
FM (30°-60°)	462.6	15.4			
FH (60°-80°)	883.3	29.5			G1/1800
FVH (80°-90°)	78.5	2.6			G1/100
BL (0°-30°)	35.7	1.2	B0/110		
BM (30°-60°)	462.6	15.4	B1/1000		
BH (60°-80°)	883.3	29.5	B2/1000		G1/1800
BVH (80°-90°)	78.5	2.6			G1/100
UL (90°-100°)	60.7	2.0		U3/500	
UH (100°-180°)	14.2	0.5		U2/50	

BUG Rating: B2-U3-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
7.5°	2.0	2.0	2.0	1.0	2.0	1.0	2.0	1.0	1.0	2.0	2.0
10°	20.5	17.6	8.8	5.9	2.9	2.0	2.0	2.0	2.0	2.0	2.0
12.5°	27.3	27.3	26.3	25.4	21.5	5.9	2.9	5.9	9.8	20.5	22.4
15°	33.2	33.2	30.2	28.3	26.3	22.4	21.5	40.0	47.8	50.7	52.7
17.5°	81.0	81.0	74.2	46.8	30.2	42.0	57.6	52.7	55.6	56.6	57.6
20°	87.8	86.8	83.9	81.0	66.3	61.5	66.3	62.4	82.0	88.8	97.6
22.5°	115.1	108.3	95.6	85.9	92.7	82.9	77.1	106.4	113.2	118.1	119.0
25°	151.2	150.3	146.4	122.0	106.4	103.4	109.3	123.9	126.8	134.6	136.6
27.5°	161.0	162.0	154.2	146.4	141.5	128.8	135.6	151.2	175.6	185.4	186.4
30°	225.4	223.4	214.7	162.9	158.1	152.2	161.0	178.6	187.3	198.1	200.0
32.5°	236.1	233.2	230.3	211.7	176.6	173.7	184.4	193.2	236.1	265.4	266.4
35°	278.1	278.1	267.3	226.4	217.6	195.1	202.9	238.1	268.3	281.0	281.0
37.5°	300.5	298.6	289.8	257.6	227.3	217.6	230.3	254.7	284.9	300.5	300.5
40°	325.9	323.9	314.2	280.0	258.6	238.1	255.6	280.0	314.2	327.8	327.8
42.5°	356.1	354.2	343.4	311.2	282.0	263.4	278.1	313.2	343.4	352.2	356.1
45°	392.2	389.3	379.5	341.5	310.3	286.9	300.5	345.4	376.6	393.2	391.3
47.5°	434.2	430.3	419.6	381.5	347.4	317.1	333.7	387.4	423.5	434.2	437.1
50°	477.1	475.2	470.3	431.3	387.4	358.1	379.5	436.1	471.3	477.1	479.1
52.5°	524.9	520.1	521.0	483.9	442.0	410.8	436.1	479.1	524.9	524.0	523.0
55°	580.5	579.6	582.5	555.2	507.4	473.2	501.5	555.2	584.4	581.5	575.7
57.5°	645.9	645.9	653.7	638.1	592.3	557.1	575.7	633.2	649.8	639.1	636.2
60°	731.8	726.9	740.6	725.9	694.7	647.9	671.3	721.0	727.9	714.2	717.1
62.5°	839.1	837.2	845.0	844.0	806.9	752.3	776.7	821.5	829.3	817.6	822.5
65°	958.1	956.2	965.9	963.0	921.1	862.5	884.0	933.7	933.7	911.3	913.3
67.5°	1055.7	1055.7	1070.3	1075.2	1017.7	943.5	958.1	1015.7	1011.8	983.5	984.5
70°	1095.7	1101.6	1118.2	1120.1	1071.3	1007.9	1006.0	1041.1	1034.2	999.1	1000.1
72.5°	1027.4	1030.3	1059.6	1069.4	1058.6	1030.3	1000.1	977.7	961.1	936.7	936.7
75°	832.3	830.3	868.4	925.0	957.2	985.5	914.2	849.8	825.4	804.0	811.8
77.5°	528.8	520.1	563.0	659.6	747.4	830.3	752.3	657.6	594.2	554.2	548.3
80°	233.2	238.1	273.2	372.7	490.8	581.5	524.0	385.4	298.6	243.0	226.4
82.5°	103.4	105.4	120.0	163.9	273.2	341.5	289.8	176.6	122.0	108.3	107.3
85°	71.2	75.1	73.2	89.8	126.8	153.2	133.7	88.8	74.2	70.3	67.3
87.5°	65.4	66.3	62.4	68.3	83.9	78.1	78.1	63.4	53.7	58.5	57.6
90°	68.3	69.3	62.4	64.4	77.1	69.3	72.2	59.5	55.6	62.4	61.5
92.5°	69.3	74.2	68.3	66.3	77.1	76.1	72.2	61.5	60.5	67.3	66.3
95°	61.5	68.3	61.5	62.4	71.2	72.2	68.3	60.5	62.4	67.3	69.3
97.5°	37.1	40.0	40.0	45.9	49.8	52.7	50.7	43.9	37.1	35.1	33.2
100°	13.7	13.7	19.5	29.3	27.3	22.4	28.3	28.3	16.6	8.8	5.9
102.5°	5.9	5.9	11.7	16.6	11.7	7.8	12.7	17.6	10.7	5.9	4.9
105°	5.9	5.9	6.8	8.8	4.9	3.9	4.9	8.8	4.9	4.9	4.9
107.5°	4.9	4.9	3.9	3.9	2.9	2.9	2.9	2.9	3.9	4.9	5.9
110°	4.9	3.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	4.9	4.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	3.9	2.9	2.0	2.0	2.0	2.9	2.0	2.0	2.0	2.9	2.9
115°	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9	2.9
117.5°	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9	2.9
120°	2.9	2.9	2.0	1.0	1.0	1.0	2.0	2.0	2.0	2.9	2.9
122.5°	2.9	2.9	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.9	2.9
125°	2.9	2.9	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.9	2.9
127.5°	2.9	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.9	2.9
130°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
132.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
135°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
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)