

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: P694851

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694851
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-2)
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-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3858 lumens
Efficiency: N/A
Efficacy: 132.1 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 - G2

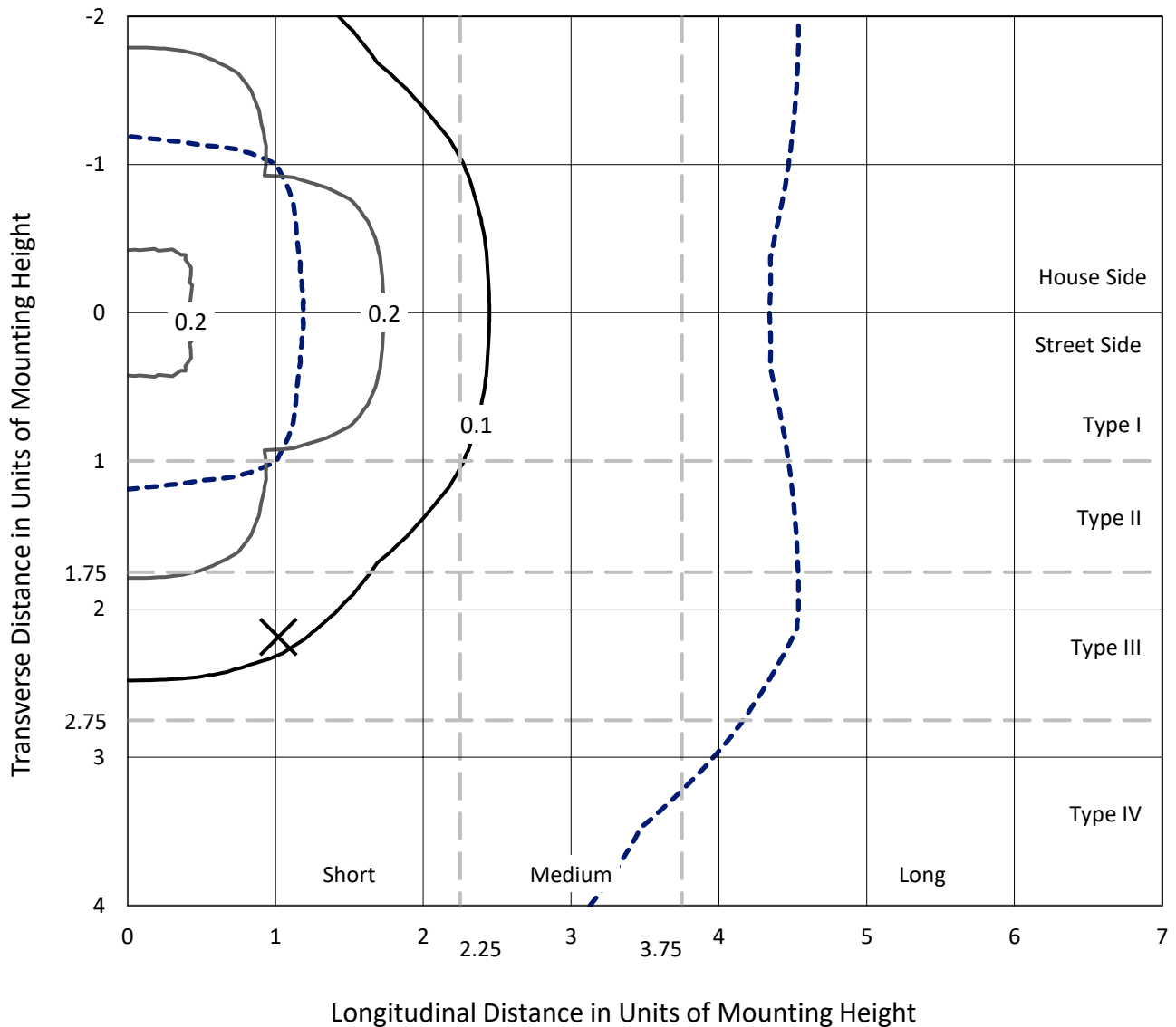
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

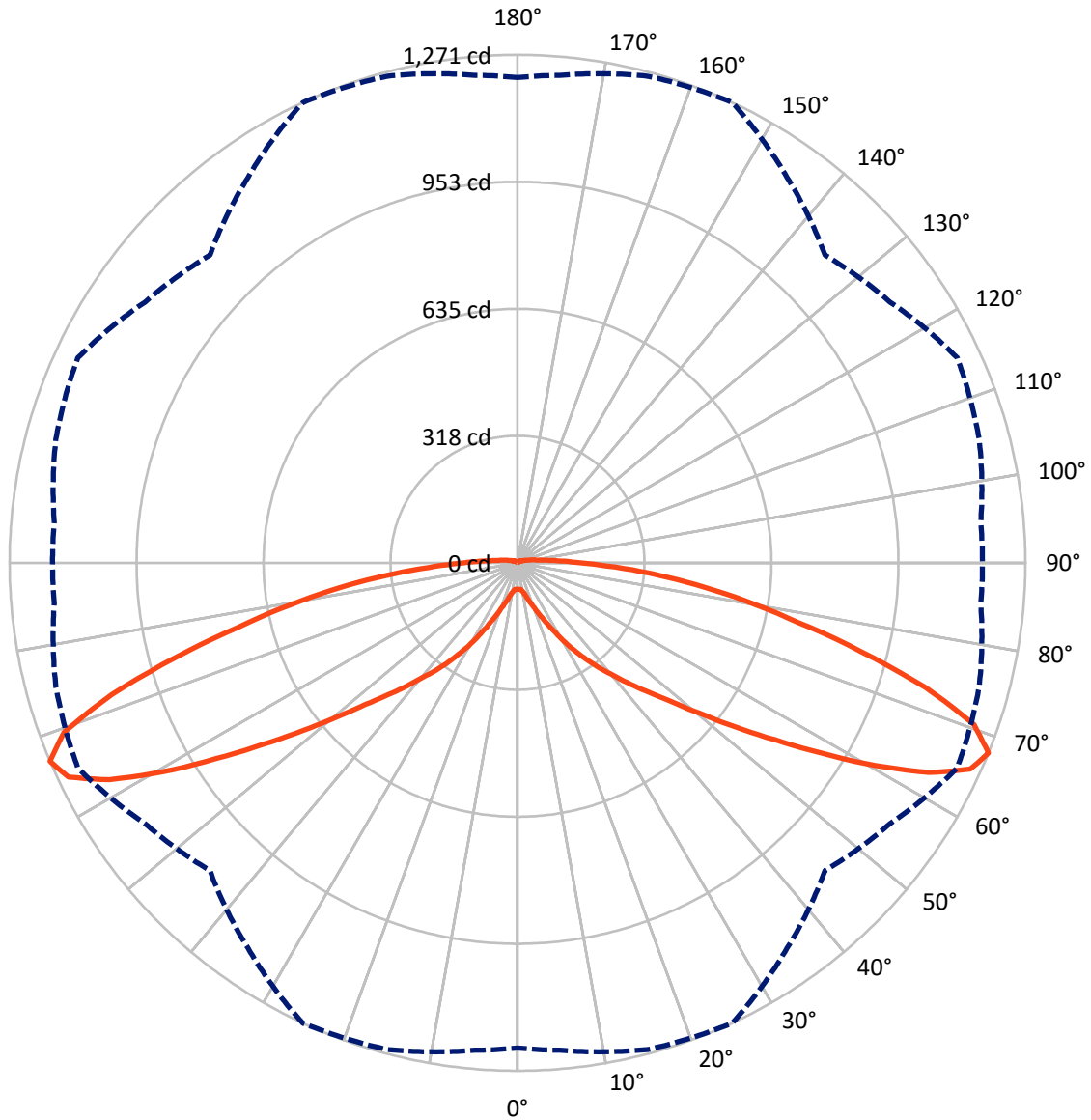
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 25-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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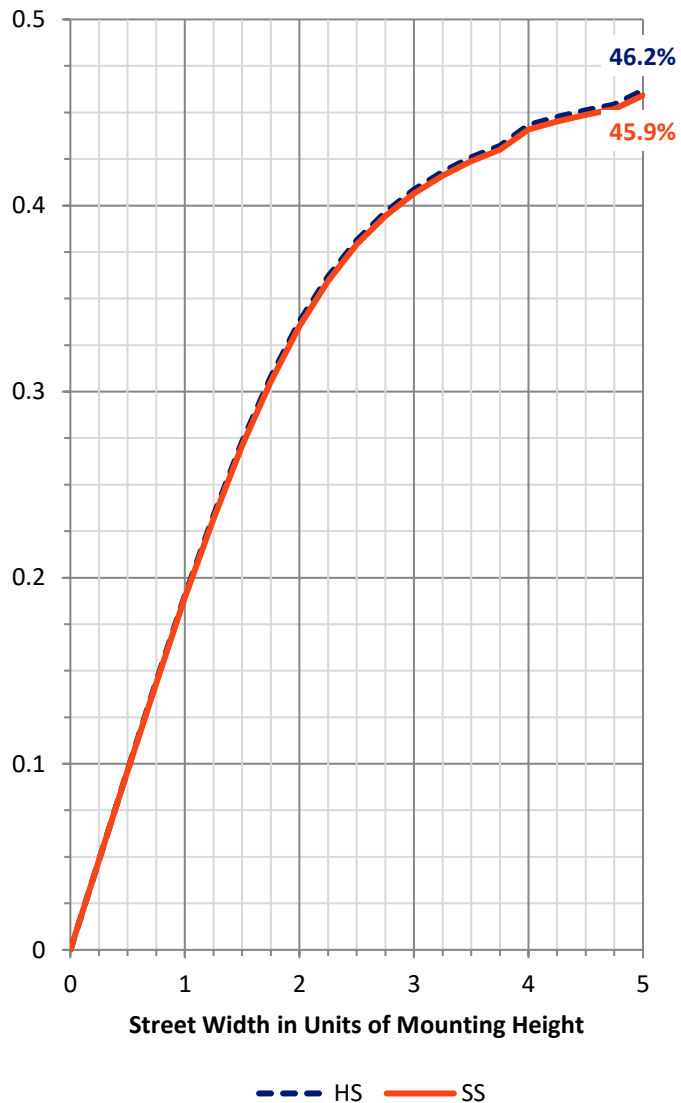
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1859.7	69.3	1929.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	1859.7	69.3	1929.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	3719.4	138.7	3858.0
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.5	0.2
10°-20°	27.1	0.7
20°-30°	80.7	2.1
30°-40°	193.4	5.0
40°-50°	363.3	9.4
50°-60°	690.0	17.9
60°-70°	1120.1	29.0
70°-80°	879.5	22.8
80°-90°	358.7	9.3
90°-100°	87.4	2.3
100°-110°	27.5	0.7
110°-120°	11.6	0.3
120°-130°	6.4	0.2
130°-140°	3.8	0.1
140°-150°	1.8	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3719.4	96.4
0°-180°	3858.0	100.0

Coefficient of Utilization



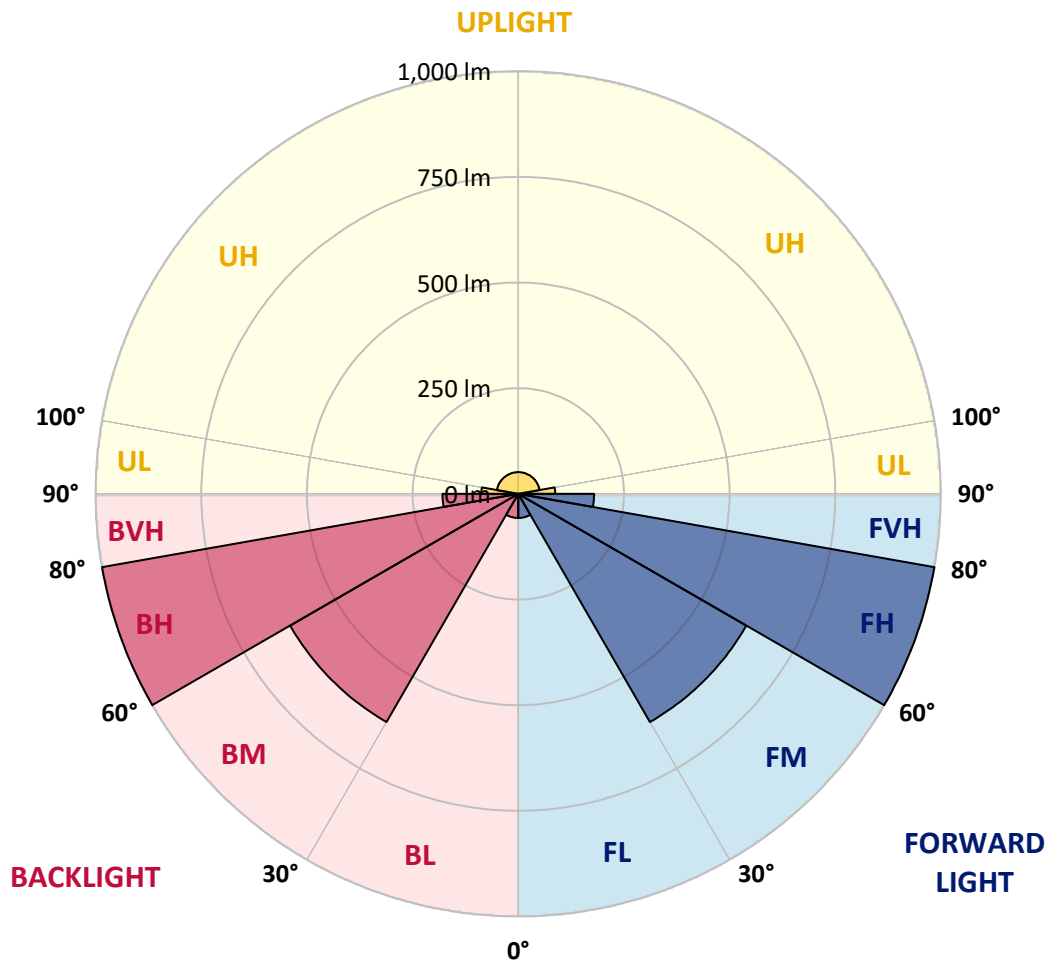
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	57.2	1.5			
FM (30°-60°)	623.4	16.2			
FH (60°-80°)	999.8	25.9			G1/1800
FVH (80°-90°)	179.3	4.6			G2/225
BL (0°-30°)	57.2	1.5	B0/110		
BM (30°-60°)	623.4	16.2	B1/1000		
BH (60°-80°)	999.8	25.9	B2/1000		G1/1800
BVH (80°-90°)	179.3	4.6			G2/225
UL (90°-100°)	87.4	2.3		U3/500	
UH (100°-180°)	51.2	1.3		U3/500	

BUG Rating: B2-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
2.5°	64.7	64.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
5°	66.0	66.0	66.0	66.0	67.3	67.3	67.3	66.0	66.0	66.0	66.0
7.5°	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
10°	73.8	73.8	72.5	73.8	72.5	72.5	72.5	71.2	72.5	72.5	72.5
12.5°	82.8	82.8	81.5	80.2	78.9	77.6	77.6	77.6	78.9	80.2	80.2
15°	95.8	95.8	94.5	91.9	88.0	86.7	88.0	89.3	90.6	93.2	93.2
17.5°	111.3	111.3	108.7	104.8	100.9	99.6	100.9	103.5	106.1	108.7	110.0
20°	130.7	129.4	126.8	120.4	116.5	115.2	116.5	119.1	124.2	128.1	128.1
22.5°	154.0	154.0	148.8	141.1	134.6	133.3	133.3	139.8	146.2	152.7	154.0
25°	182.5	183.8	176.0	164.4	156.6	152.7	155.3	164.4	176.0	183.8	186.4
27.5°	220.0	218.7	208.4	192.8	179.9	173.4	179.9	192.8	209.6	218.7	222.6
30°	258.8	258.8	245.9	226.5	207.1	199.3	208.4	225.2	245.9	260.1	262.7
32.5°	297.6	297.6	282.1	261.4	236.8	225.2	236.8	264.0	291.2	309.3	313.2
35°	339.1	341.6	322.2	296.4	266.6	254.9	269.2	302.8	337.8	357.2	358.5
37.5°	372.7	372.7	359.8	333.9	297.6	283.4	302.8	348.1	384.4	401.2	406.4
40°	416.7	418.0	402.5	370.1	332.6	315.8	340.4	386.9	415.4	423.2	425.8
42.5°	462.0	463.3	450.4	415.4	368.8	350.7	375.3	416.7	442.6	454.2	458.1
45°	504.7	508.6	495.6	462.0	412.8	386.9	408.9	455.5	489.2	502.1	506.0
47.5°	561.6	568.1	553.9	518.9	462.0	430.9	454.2	512.5	552.6	562.9	562.9
50°	628.9	635.4	630.2	592.7	524.1	485.3	517.6	582.4	623.8	638.0	636.7
52.5°	718.2	720.8	715.6	680.7	601.8	553.9	588.8	667.8	707.9	702.7	709.2
55°	811.4	817.9	821.8	781.6	697.5	638.0	685.9	763.5	793.3	795.9	794.6
57.5°	924.0	934.4	930.5	899.4	803.6	741.5	789.4	865.8	908.5	905.9	912.4
60°	1044.4	1049.5	1059.9	1030.1	935.6	851.5	904.6	993.9	1021.1	1001.6	1004.2
62.5°	1141.4	1149.2	1167.3	1155.6	1054.7	964.1	1019.8	1092.2	1107.8	1088.4	1092.2
65°	1219.1	1225.5	1254.0	1244.9	1146.6	1053.4	1105.2	1178.9	1182.8	1154.4	1151.8
67.5°	1213.9	1224.2	1260.5	1270.8	1176.4	1088.4	1137.5	1213.9	1195.8	1163.4	1163.4
70°	1128.5	1129.8	1173.8	1211.3	1125.9	1044.4	1101.3	1155.6	1138.8	1101.3	1096.1
72.5°	969.3	984.8	1035.3	1067.6	1012.0	947.3	982.2	1035.3	979.6	927.9	924.0
75°	782.9	780.4	826.9	889.1	860.6	806.2	847.6	859.3	808.8	764.8	754.5
77.5°	625.1	630.2	670.4	718.2	713.1	678.1	689.8	700.1	654.8	608.2	605.6
80°	498.2	498.2	547.4	578.5	579.8	565.5	568.1	561.6	513.8	484.0	478.8
82.5°	372.7	375.3	408.9	449.1	474.9	471.1	462.0	442.6	403.8	371.4	370.1
85°	253.6	258.8	287.3	331.3	368.8	377.9	372.7	328.7	280.8	249.8	245.9
87.5°	166.9	170.8	187.6	222.6	271.8	296.4	275.6	227.8	187.6	170.8	165.6
90°	112.6	115.2	125.5	144.9	190.2	216.1	192.8	150.1	122.9	111.3	111.3
92.5°	76.4	77.6	85.4	98.4	128.1	150.1	129.4	99.6	82.8	75.1	73.8
95°	51.8	53.1	58.2	67.3	88.0	100.9	88.0	66.0	58.2	53.1	51.8
97.5°	40.1	41.4	44.0	49.2	62.1	69.9	60.8	49.2	44.0	41.4	40.1
100°	32.4	32.4	36.2	38.8	45.3	50.5	45.3	37.5	34.9	32.4	32.4
102.5°	25.9	27.2	28.5	31.1	36.2	40.1	36.2	29.8	27.2	25.9	25.9
105°	20.7	20.7	22.0	24.6	28.5	31.1	28.5	24.6	22.0	20.7	19.4
107.5°	16.8	15.5	18.1	20.7	23.3	25.9	23.3	19.4	16.8	15.5	15.5
110°	12.9	12.9	14.2	16.8	19.4	20.7	19.4	15.5	14.2	12.9	12.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	10.4	10.4	11.6	12.9	16.8	18.1	15.5	12.9	11.6	10.4	10.4
115°	9.1	9.1	9.1	11.6	14.2	15.5	14.2	10.4	9.1	9.1	9.1
117.5°	7.8	7.8	7.8	9.1	11.6	12.9	11.6	9.1	7.8	7.8	7.8
120°	7.8	7.8	7.8	7.8	10.4	11.6	10.4	7.8	7.8	7.8	7.8
122.5°	6.5	6.5	6.5	7.8	9.1	10.4	9.1	7.8	6.5	6.5	6.5
125°	6.5	6.5	6.5	6.5	7.8	9.1	7.8	6.5	6.5	6.5	6.5
127.5°	5.2	5.2	5.2	6.5	7.8	7.8	7.8	6.5	5.2	5.2	5.2
130°	5.2	5.2	5.2	5.2	6.5	6.5	6.5	5.2	5.2	5.2	5.2
132.5°	5.2	5.2	5.2	5.2	6.5	6.5	6.5	5.2	5.2	5.2	5.2
135°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
137.5°	3.9	3.9	3.9	3.9	3.9	5.2	3.9	3.9	3.9	3.9	3.9
140°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
142.5°	3.9	3.9	2.6	2.6	3.9	3.9	2.6	2.6	2.6	3.9	3.9
145°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
147.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
150°	1.3	1.3	1.3	1.3	1.3	2.6	1.3	1.3	1.3	1.3	1.3
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)