

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: P695031

Luminaire Tested: **LXF.LXT-PA16-40-727-U-5WQ-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695031
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-PA16-40-727-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 740mA 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: 4096 lumens
Efficiency: N/A
Efficacy: 101.9 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: B3 - U3 - G2

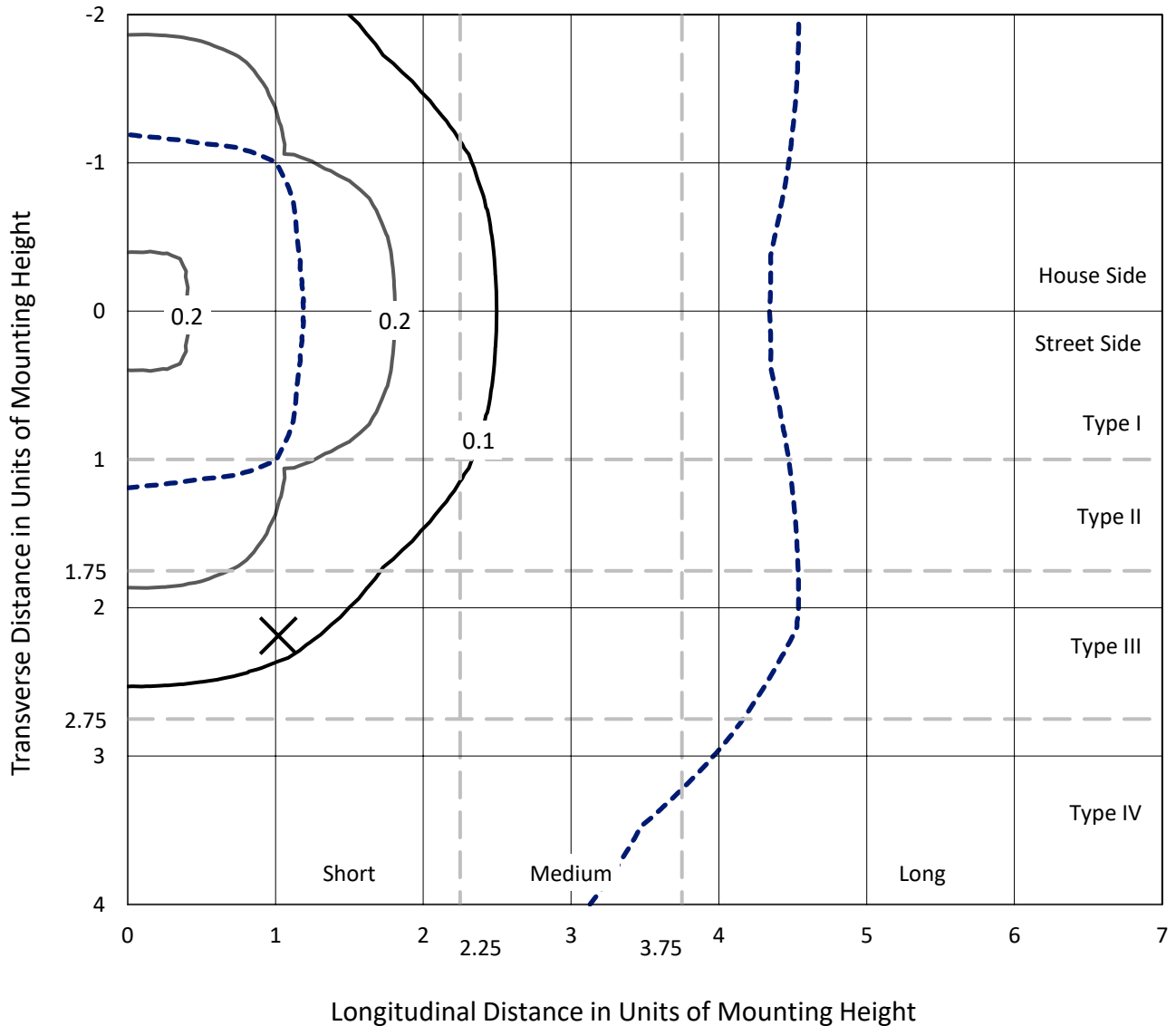
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

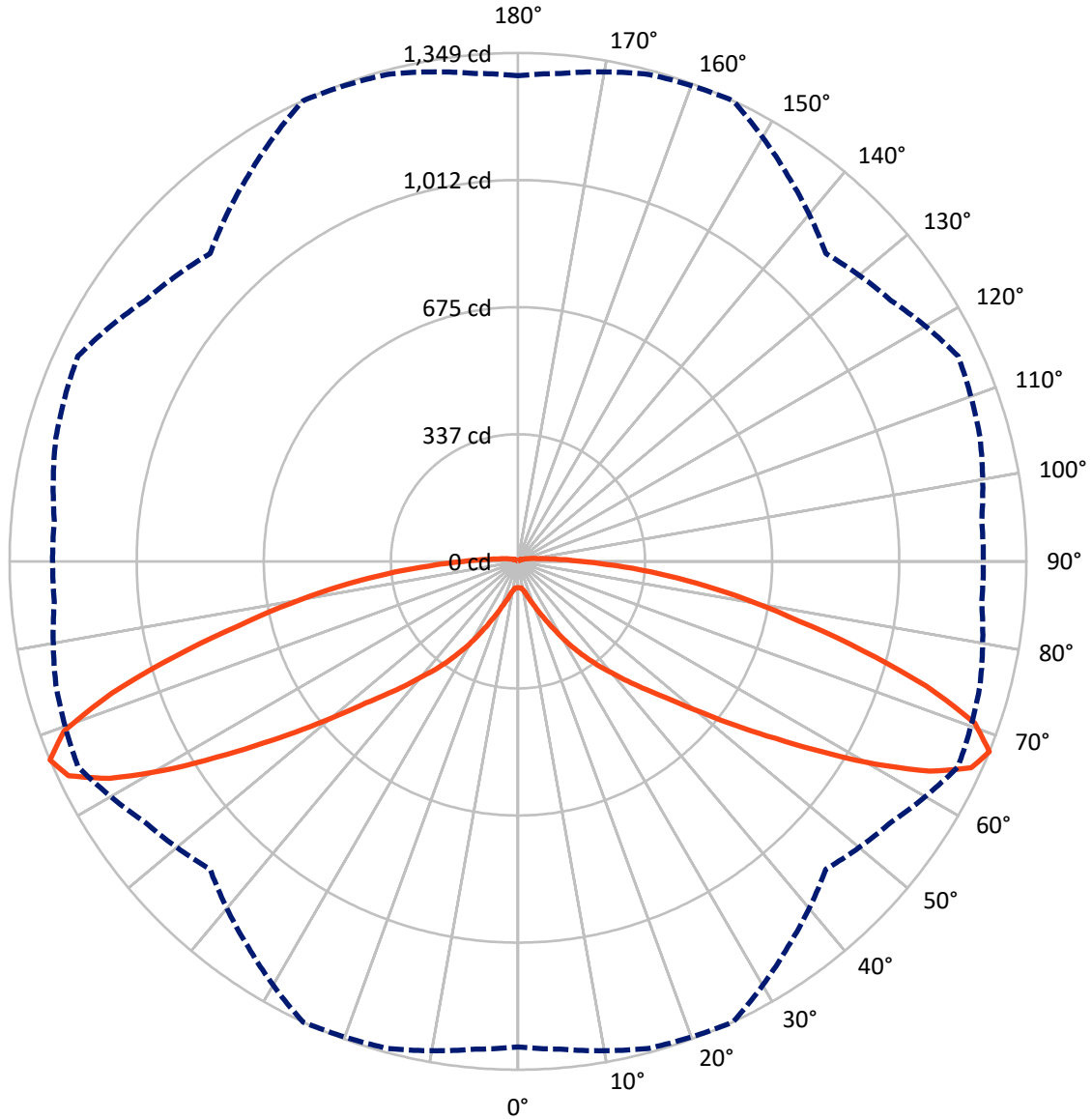
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 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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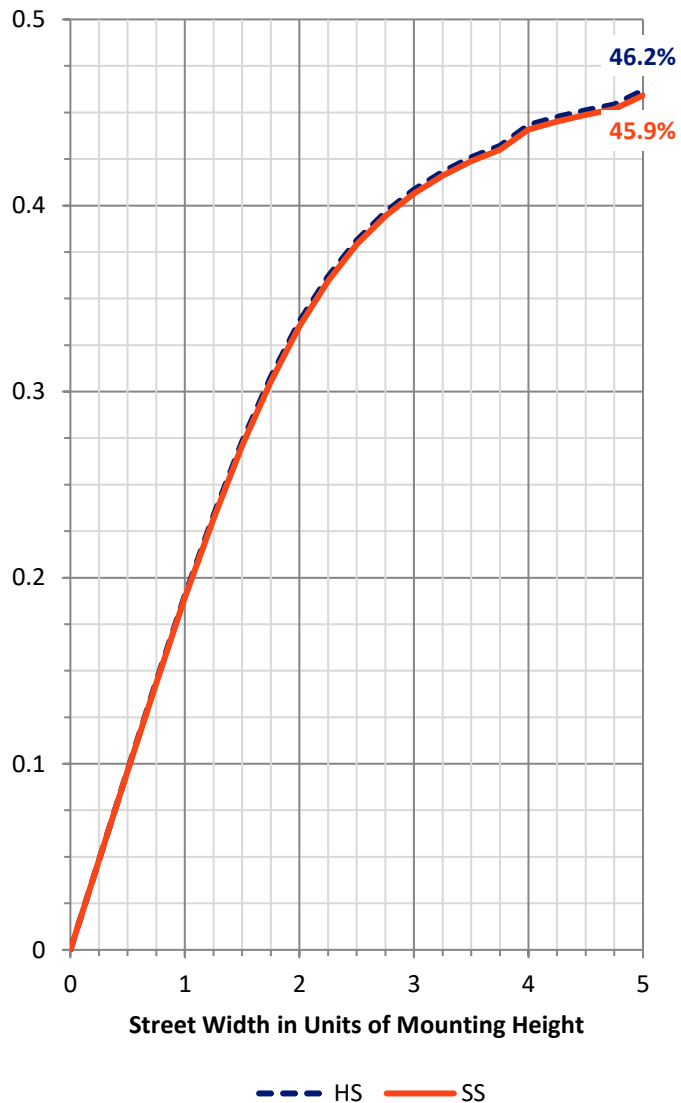
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1974.4	73.6	2048.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	1974.4	73.6	2048.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	3948.9	147.1	4096.0
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.9	0.2
10°-20°	28.8	0.7
20°-30°	85.7	2.1
30°-40°	205.4	5.0
40°-50°	385.7	9.4
50°-60°	732.6	17.9
60°-70°	1189.2	29.0
70°-80°	933.7	22.8
80°-90°	380.8	9.3
90°-100°	92.8	2.3
100°-110°	29.2	0.7
110°-120°	12.4	0.3
120°-130°	6.8	0.2
130°-140°	4.0	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°	3948.9	96.4
0°-180°	4096.0	100.0

Coefficient of Utilization



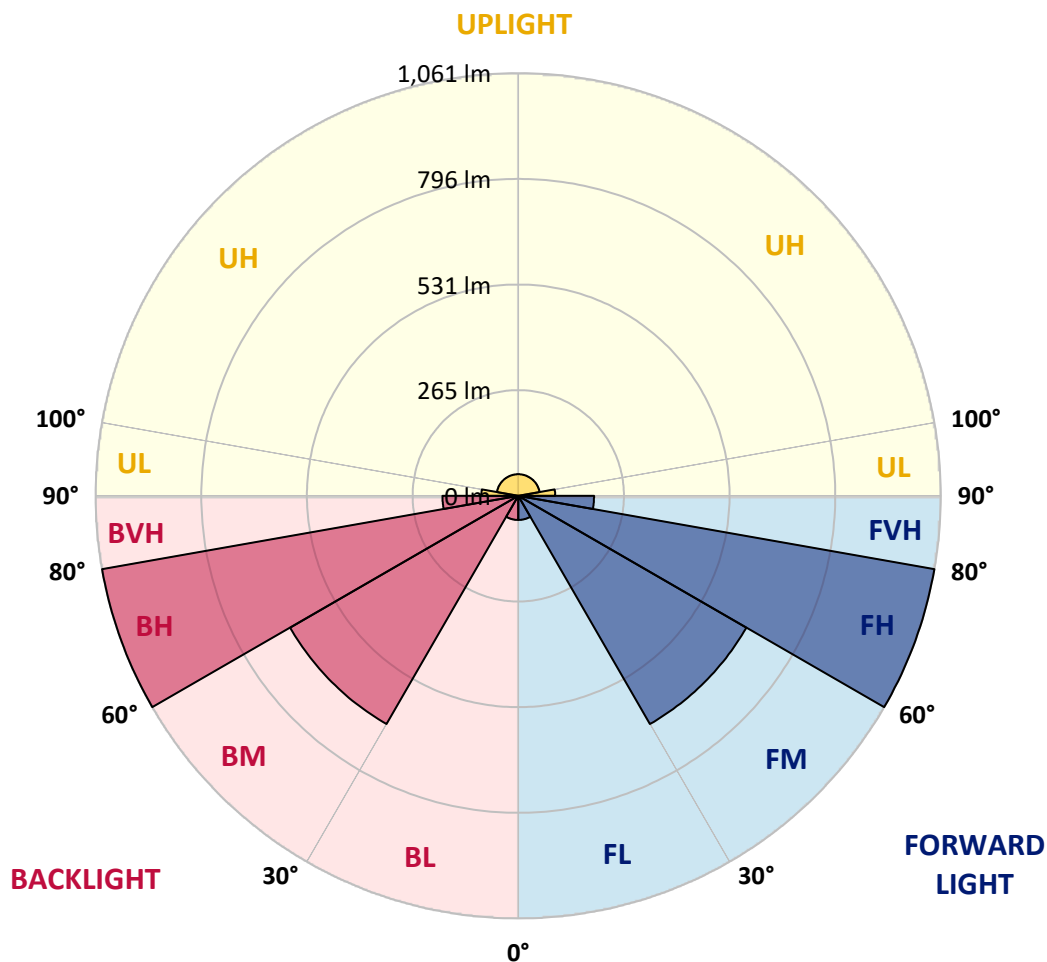
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	60.7	1.5			
FM (30°-60°)	661.8	16.2			
FH (60°-80°)	1061.5	25.9			G1/1800
FVH (80°-90°)	190.4	4.6			G2/225
BL (0°-30°)	60.7	1.5	B0/110		
BM (30°-60°)	661.8	16.2	B1/1000		
BH (60°-80°)	1061.5	25.9	B3/2500		G1/1800
BVH (80°-90°)	190.4	4.6			G2/225
UL (90°-100°)	92.8	2.3		U3/500	
UH (100°-180°)	54.3	1.3		U3/500	

BUG Rating: B3-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
2.5°	68.7	68.7	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
5°	70.1	70.1	70.1	70.1	71.4	71.4	71.4	70.1	70.1	70.1	70.1
7.5°	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
10°	78.3	78.3	76.9	78.3	76.9	76.9	76.9	75.6	76.9	76.9	76.9
12.5°	87.9	87.9	86.6	85.2	83.8	82.4	82.4	82.4	83.8	85.2	85.2
15°	101.7	101.7	100.3	97.6	93.4	92.1	93.4	94.8	96.2	98.9	98.9
17.5°	118.2	118.2	115.4	111.3	107.2	105.8	107.2	109.9	112.7	115.4	116.8
20°	138.8	137.4	134.6	127.8	123.7	122.3	123.7	126.4	131.9	136.0	136.0
22.5°	163.5	163.5	158.0	149.8	142.9	141.5	141.5	148.4	155.3	162.1	163.5
25°	193.7	195.1	186.9	174.5	166.2	162.1	164.9	174.5	186.9	195.1	197.8
27.5°	233.6	232.2	221.2	204.7	191.0	184.1	191.0	204.7	222.6	232.2	236.3
30°	274.8	274.8	261.1	240.4	219.8	211.6	221.2	239.1	261.1	276.2	278.9
32.5°	316.0	316.0	299.5	277.5	251.4	239.1	251.4	280.3	309.1	328.4	332.5
35°	360.0	362.7	342.1	314.6	283.0	270.7	285.8	321.5	358.6	379.2	380.6
37.5°	395.7	395.7	382.0	354.5	316.0	300.9	321.5	369.6	408.1	425.9	431.4
40°	442.4	443.8	427.3	392.9	353.1	335.2	361.3	410.8	441.0	449.3	452.0
42.5°	490.5	491.9	478.1	441.0	391.6	372.3	398.4	442.4	469.9	482.3	486.4
45°	535.8	540.0	526.2	490.5	438.3	410.8	434.2	483.6	519.4	533.1	537.2
47.5°	596.3	603.2	588.1	551.0	490.5	457.5	482.3	544.1	586.7	597.7	597.7
50°	667.7	674.6	669.1	629.3	556.4	515.2	549.6	618.3	662.2	677.4	676.0
52.5°	762.5	765.3	759.8	722.7	638.9	588.1	625.1	709.0	751.6	746.1	752.9
55°	861.5	868.3	872.5	829.9	740.6	677.4	728.2	810.6	842.2	845.0	843.6
57.5°	981.0	992.0	987.9	954.9	853.2	787.3	838.1	919.2	964.5	961.8	968.6
60°	1108.8	1114.3	1125.3	1093.7	993.4	904.1	960.4	1055.2	1084.0	1063.4	1066.2
62.5°	1211.8	1220.1	1239.3	1226.9	1119.8	1023.6	1082.7	1159.6	1176.1	1155.5	1159.6
65°	1294.3	1301.1	1331.4	1321.7	1217.3	1118.4	1173.4	1251.7	1255.8	1225.6	1222.8
67.5°	1288.8	1299.8	1338.2	1349.2	1248.9	1155.5	1207.7	1288.8	1269.5	1235.2	1235.2
70°	1198.1	1199.5	1246.2	1286.0	1195.3	1108.8	1169.2	1226.9	1209.1	1169.2	1163.7
72.5°	1029.1	1045.6	1099.2	1133.5	1074.4	1005.7	1042.8	1099.2	1040.1	985.1	981.0
75°	831.2	828.5	878.0	943.9	913.7	856.0	899.9	912.3	858.7	812.0	801.0
77.5°	663.6	669.1	711.7	762.5	757.0	719.9	732.3	743.3	695.2	645.8	643.0
80°	529.0	529.0	581.2	614.2	615.5	600.4	603.2	596.3	545.5	513.9	508.4
82.5°	395.7	398.4	434.2	476.8	504.2	500.1	490.5	469.9	428.7	394.3	392.9
85°	269.3	274.8	305.0	351.7	391.6	401.2	395.7	349.0	298.1	265.2	261.1
87.5°	177.2	181.4	199.2	236.3	288.5	314.6	292.7	241.8	199.2	181.4	175.9
90°	119.5	122.3	133.3	153.9	202.0	229.4	204.7	159.4	130.5	118.2	118.2
92.5°	81.1	82.4	90.7	104.4	136.0	159.4	137.4	105.8	87.9	79.7	78.3
95°	55.0	56.3	61.8	71.4	93.4	107.2	93.4	70.1	61.8	56.3	55.0
97.5°	42.6	44.0	46.7	52.2	65.9	74.2	64.6	52.2	46.7	44.0	42.6
100°	34.3	34.3	38.5	41.2	48.1	53.6	48.1	39.8	37.1	34.3	34.3
102.5°	27.5	28.9	30.2	33.0	38.5	42.6	38.5	31.6	28.9	27.5	27.5
105°	22.0	22.0	23.4	26.1	30.2	33.0	30.2	26.1	23.4	22.0	20.6
107.5°	17.9	16.5	19.2	22.0	24.7	27.5	24.7	20.6	17.9	16.5	16.5
110°	13.7	13.7	15.1	17.9	20.6	22.0	20.6	16.5	15.1	13.7	13.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	11.0	11.0	12.4	13.7	17.9	19.2	16.5	13.7	12.4	11.0	11.0
115°	9.6	9.6	9.6	12.4	15.1	16.5	15.1	11.0	9.6	9.6	9.6
117.5°	8.2	8.2	8.2	9.6	12.4	13.7	12.4	9.6	8.2	8.2	8.2
120°	8.2	8.2	8.2	8.2	11.0	12.4	11.0	8.2	8.2	8.2	8.2
122.5°	6.9	6.9	6.9	8.2	9.6	11.0	9.6	8.2	6.9	6.9	6.9
125°	6.9	6.9	6.9	6.9	8.2	9.6	8.2	6.9	6.9	6.9	6.9
127.5°	5.5	5.5	5.5	6.9	8.2	8.2	8.2	6.9	5.5	5.5	5.5
130°	5.5	5.5	5.5	5.5	6.9	6.9	6.9	5.5	5.5	5.5	5.5
132.5°	5.5	5.5	5.5	5.5	6.9	6.9	6.9	5.5	5.5	5.5	5.5
135°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
137.5°	4.1	4.1	4.1	4.1	4.1	5.5	4.1	4.1	4.1	4.1	4.1
140°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
142.5°	4.1	4.1	2.7	2.7	4.1	4.1	2.7	2.7	2.7	4.1	4.1
145°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
150°	1.4	1.4	1.4	1.4	1.4	2.7	1.4	1.4	1.4	1.4	1.4
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)