

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: P694674

Luminaire Tested: **LXF.LXT-PA16-20-827-U-5WQ-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694674
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-827-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2238 lumens
Efficiency: N/A
Efficacy: 102.7 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 - U2 - G1

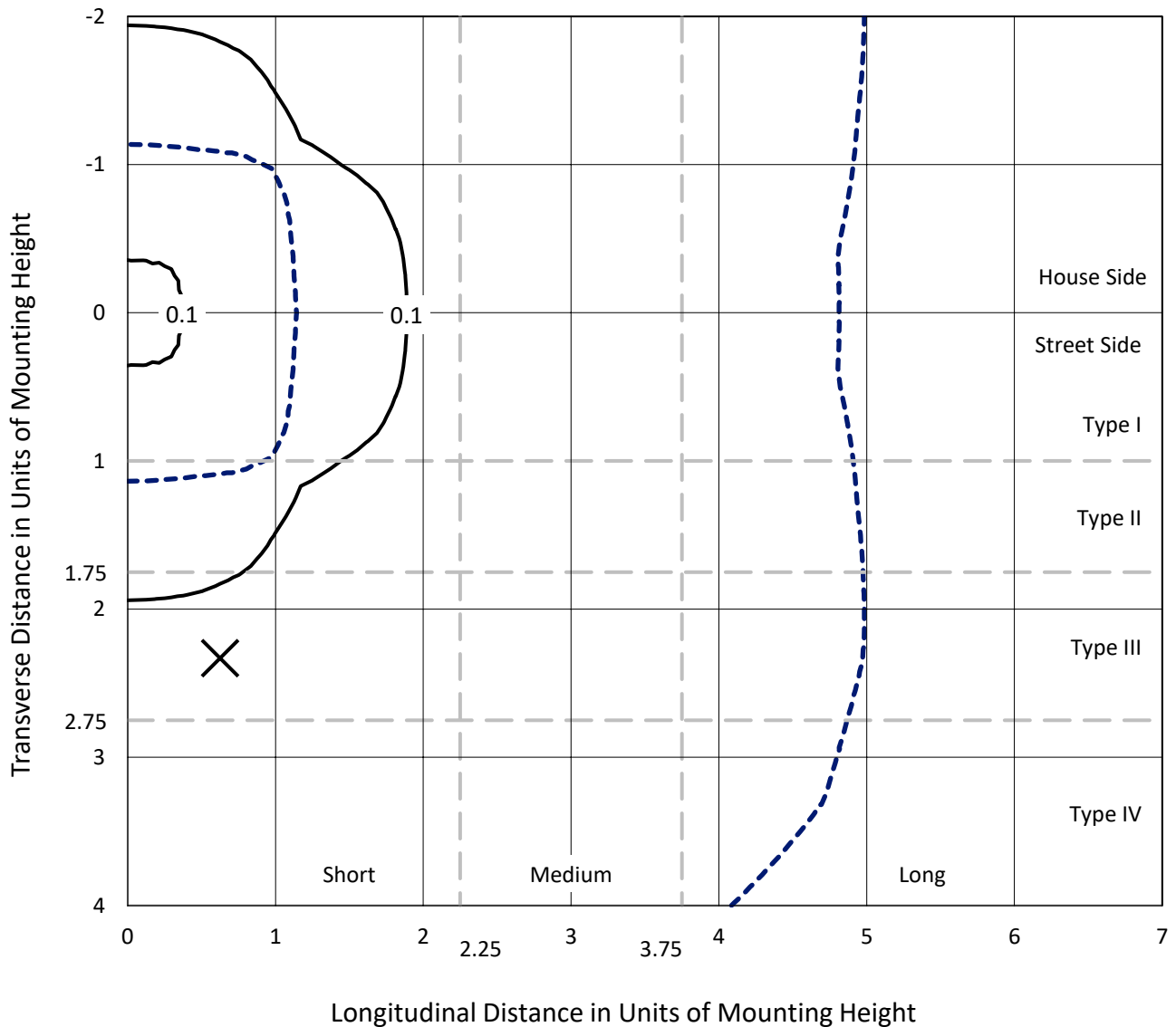
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P694674
 CATALOG NUMBER: LXF.LXT-PA16-20-827-U-5WQ-TL

Iso-Footcandle Lines of Horizontal Illumination

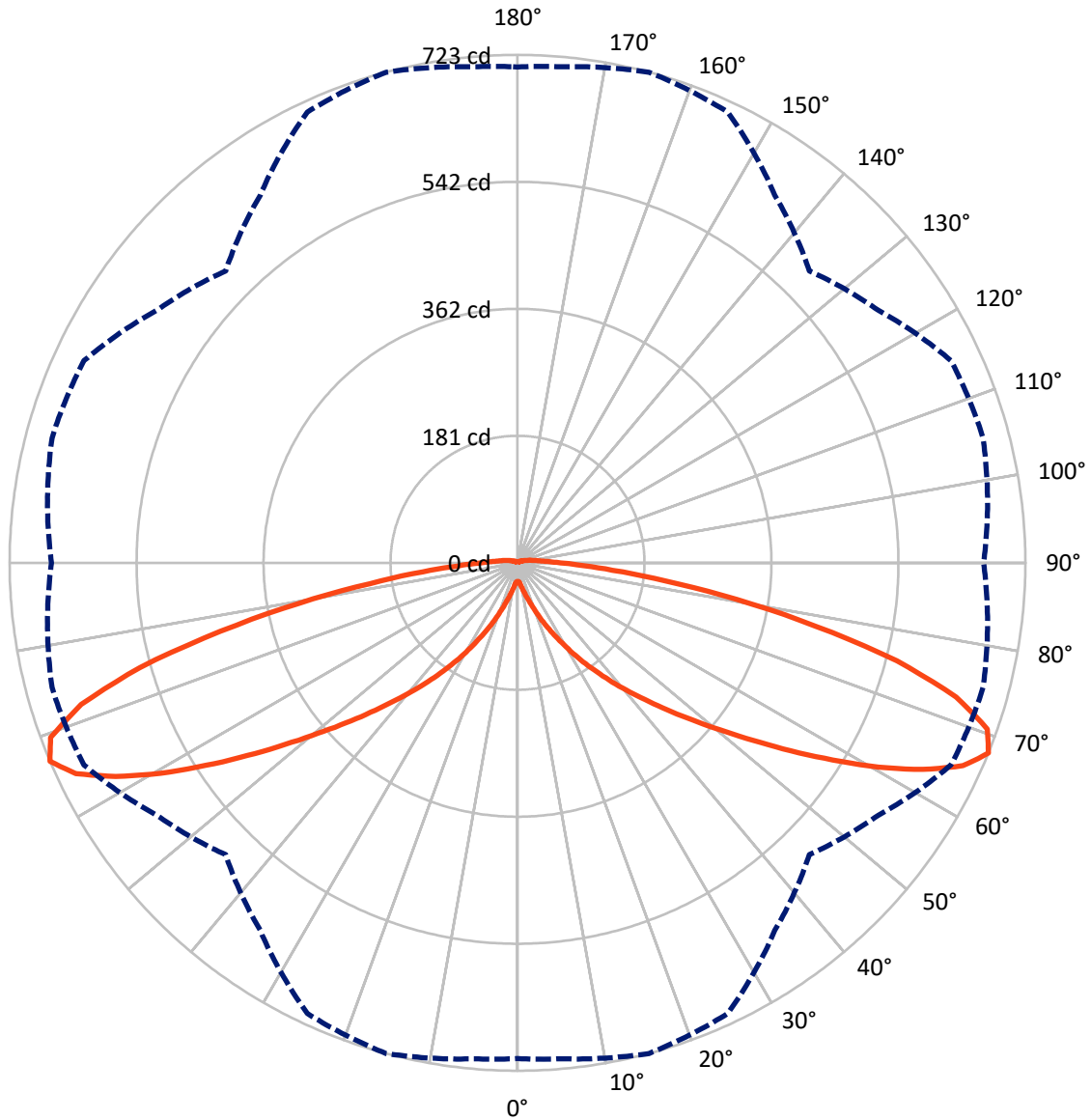
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P694674
CATALOG NUMBER: LXF.LXT-PA16-20-827-U-5WQ-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P694674
 CATALOG NUMBER: LXF.LXT-PA16-20-827-U-5WQ-TL

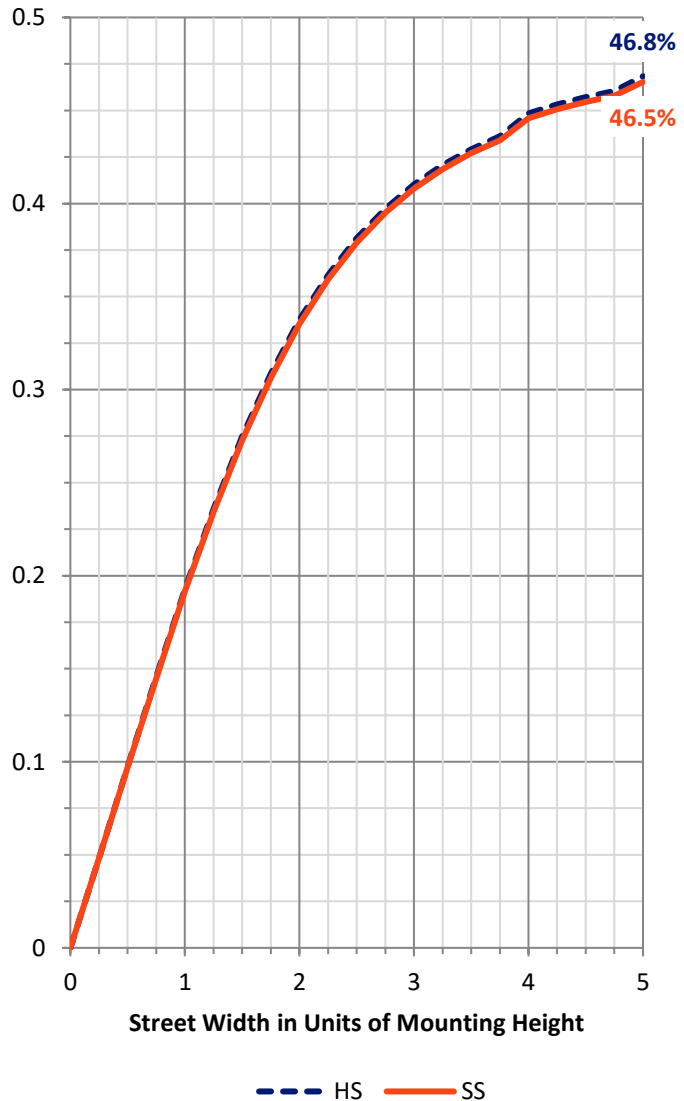
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1083.0	36.0	1119.0
	% Fixture	48.4	1.6	50.0
Street Side	Lumens	1083.0	36.0	1119.0
	% Fixture	48.4	1.6	50.0
Total	Lumens	2166.1	72.0	2238.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.1
10°-20°	15.2	0.7
20°-30°	47.7	2.1
30°-40°	112.0	5.0
40°-50°	218.5	9.8
50°-60°	399.7	17.9
60°-70°	628.0	28.1
70°-80°	553.7	24.7
80°-90°	188.3	8.4
90°-100°	42.2	1.9
100°-110°	16.2	0.7
110°-120°	7.1	0.3
120°-130°	3.6	0.2
130°-140°	2.0	0.1
140°-150°	0.9	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2166.1	96.8
0°-180°	2238.0	100.0

Coefficient of Utilization

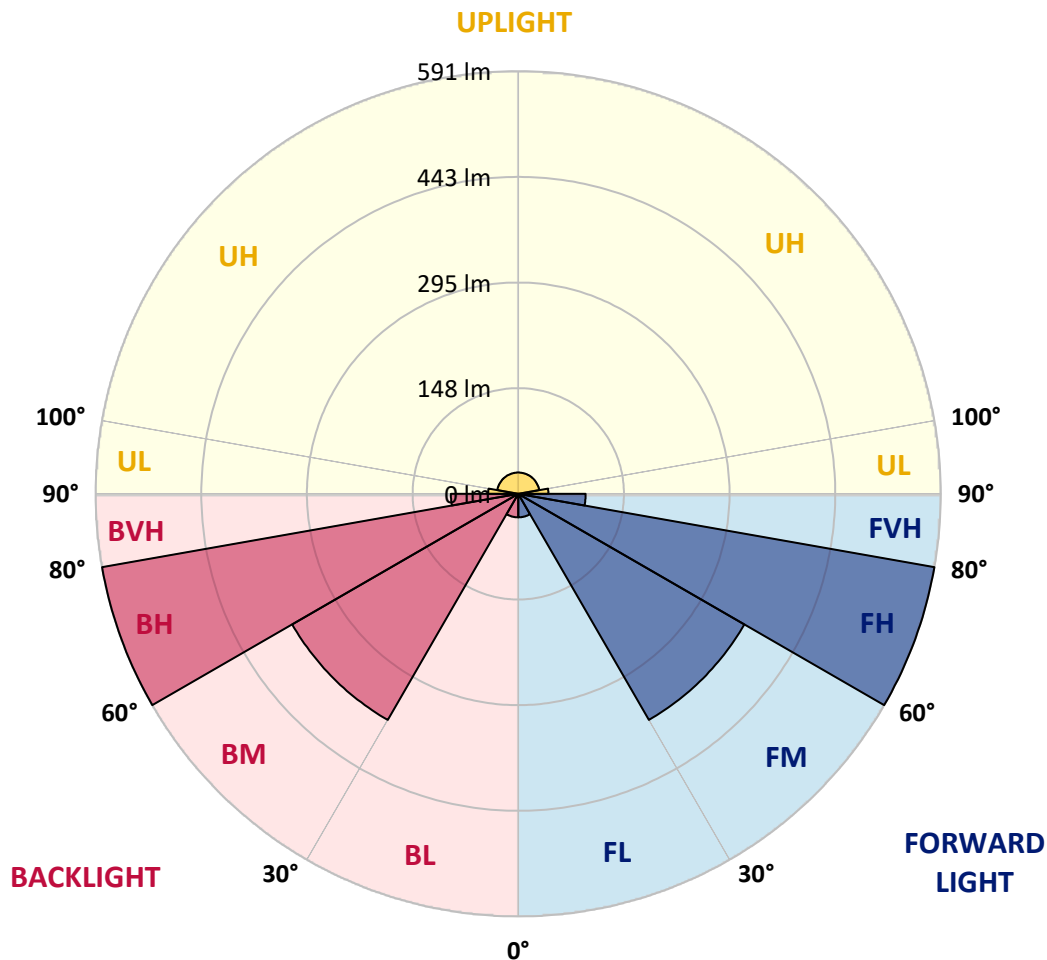


REPORT NUMBER: P694674
 CATALOG NUMBER: LXF.LXT-PA16-20-827-U-5WQ-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	32.9	1.5			
FM (30°-60°)	365.1	16.3			
FH (60°-80°)	590.9	26.4			G0/660
FVH (80°-90°)	94.2	4.2			G1/100
BL (0°-30°)	32.9	1.5	B0/110		
BM (30°-60°)	365.1	16.3	B1/1000		
BH (60°-80°)	590.9	26.4	B2/1000		G0/660
BVH (80°-90°)	94.2	4.2			G1/100
UL (90°-100°)	42.2	1.9		U2/50	
UH (100°-180°)	29.8	1.3		U2/50	

BUG Rating: B2-U2-G1
 Type V Short



REPORT NUMBER: P694674
 CATALOG NUMBER: LXF.LXT-PA16-20-827-U-5WQ-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
2.5°	26.4	26.4	26.4	26.4	27.1	27.1	27.1	26.4	26.4	26.4	26.4
5°	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	27.9
7.5°	31.6	31.6	31.6	31.6	31.6	32.4	31.6	31.6	31.6	31.6	31.6
10°	36.9	36.9	36.9	36.9	36.2	36.2	36.2	36.2	35.4	36.2	35.4
12.5°	43.7	43.7	43.7	42.9	42.2	42.2	42.2	41.4	42.2	42.2	42.2
15°	52.7	52.7	52.0	51.2	49.7	49.0	49.7	49.7	49.7	50.5	50.5
17.5°	62.5	63.3	61.8	60.3	58.8	58.8	58.0	58.8	60.3	61.0	61.0
20°	76.9	76.1	73.8	71.6	69.3	68.6	68.6	70.8	72.3	73.1	73.8
22.5°	91.2	91.2	88.9	84.4	81.4	79.9	80.6	82.9	86.6	89.7	89.7
25°	109.3	107.7	104.7	98.7	94.2	92.7	93.4	97.2	103.2	105.5	107.0
27.5°	127.3	126.6	122.1	115.3	108.5	105.5	107.7	114.5	121.3	125.8	127.3
30°	148.4	147.7	142.4	133.4	124.3	119.8	123.6	131.9	142.4	147.7	149.2
32.5°	171.8	171.0	164.3	152.2	140.1	135.6	140.1	152.2	164.3	171.0	171.8
35°	196.7	194.4	186.9	173.3	157.5	151.4	157.5	173.3	187.6	196.7	197.4
37.5°	221.5	220.0	211.7	195.9	177.1	169.5	176.3	196.7	212.5	223.0	220.8
40°	247.1	246.4	238.1	219.3	198.2	188.4	198.9	219.3	238.8	250.1	250.9
42.5°	276.5	276.5	266.0	246.4	220.8	209.5	220.8	247.1	269.0	278.0	278.8
45°	308.9	306.7	298.4	277.3	247.9	234.3	247.9	277.3	299.1	309.7	308.9
47.5°	342.8	341.3	333.8	312.7	278.0	263.7	277.3	311.2	333.8	341.3	341.3
50°	382.0	380.5	373.7	351.9	314.2	296.9	314.9	348.8	373.7	380.5	378.2
52.5°	427.2	422.7	419.7	398.6	357.9	335.3	354.9	395.6	418.2	419.7	419.7
55°	471.7	474.7	472.4	449.8	404.6	377.5	401.6	446.0	466.4	469.4	465.6
57.5°	528.2	531.2	529.7	506.3	457.3	424.9	452.1	501.0	518.4	517.6	516.9
60°	590.7	592.2	590.7	570.4	516.1	475.4	507.8	559.1	575.6	571.1	567.3
62.5°	645.7	647.2	648.0	632.9	568.1	522.9	556.0	614.1	626.9	619.3	617.1
65°	690.2	689.4	696.9	681.1	612.6	562.1	599.7	660.8	668.3	656.3	652.5
67.5°	706.0	709.0	723.3	708.2	638.9	587.7	626.9	681.1	686.4	671.3	663.8
70°	685.6	692.4	709.8	702.2	638.9	591.5	627.6	675.1	672.8	654.0	646.5
72.5°	629.9	631.4	653.2	657.0	610.3	571.1	599.0	632.9	621.6	596.0	593.7
75°	531.2	531.2	558.3	574.9	549.3	517.6	539.5	554.5	537.2	507.1	503.3
77.5°	406.9	411.4	434.0	470.2	464.1	449.1	458.9	461.9	425.7	394.1	394.8
80°	286.3	292.3	316.4	353.4	363.9	363.2	365.4	345.8	311.9	286.3	282.5
82.5°	192.1	189.1	211.7	244.9	269.7	274.3	272.7	245.6	212.5	188.4	185.3
85°	116.8	117.5	135.6	162.7	185.3	196.7	188.4	164.3	134.1	118.3	117.5
87.5°	72.3	73.8	84.4	102.5	125.8	136.4	127.3	106.2	84.4	73.1	72.3
90°	49.0	49.0	55.8	67.1	82.9	93.4	85.1	68.6	55.8	49.0	48.2
92.5°	35.4	36.9	39.2	46.7	58.0	64.8	58.8	46.7	39.2	35.4	34.7
95°	27.9	27.9	30.1	33.9	42.2	46.7	42.2	34.7	30.1	27.1	27.1
97.5°	21.9	22.6	24.1	27.1	32.4	35.4	32.4	27.1	24.1	21.9	21.1
100°	17.3	18.1	19.6	22.6	26.4	27.9	26.4	22.6	19.6	17.3	17.3
102.5°	13.6	14.3	15.8	18.8	21.9	22.6	21.9	18.1	15.8	13.6	13.6
105°	10.5	10.5	12.8	15.8	18.1	18.8	18.1	15.1	12.8	10.5	10.5
107.5°	8.3	8.3	10.5	12.8	15.1	15.8	15.1	12.8	9.8	8.3	8.3
110°	6.8	6.8	8.3	10.5	12.8	13.6	12.8	10.5	8.3	6.8	6.8

REPORT NUMBER: P694674
 CATALOG NUMBER: LXF.LXT-PA16-20-827-U-5WQ-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	5.3	5.3	6.8	9.0	10.5	11.3	10.5	9.0	6.8	5.3	5.3
115°	4.5	4.5	5.3	7.5	9.0	9.8	9.0	7.5	5.3	4.5	4.5
117.5°	3.8	3.8	4.5	6.0	7.5	8.3	7.5	6.0	4.5	3.8	3.8
120°	3.8	3.8	3.8	5.3	6.8	7.5	6.8	5.3	3.8	3.8	3.8
122.5°	3.0	3.0	3.8	4.5	6.0	6.0	5.3	4.5	3.8	3.0	3.0
125°	3.0	3.0	3.0	3.8	4.5	5.3	4.5	3.8	3.0	3.0	3.0
127.5°	3.0	3.0	3.0	3.0	4.5	4.5	4.5	3.0	3.0	3.0	3.0
130°	2.3	2.3	2.3	3.0	3.8	3.8	3.8	3.0	3.0	2.3	3.0
132.5°	2.3	2.3	2.3	3.0	3.0	3.8	3.0	3.0	2.3	2.3	2.3
135°	2.3	2.3	2.3	2.3	3.0	3.0	3.0	2.3	2.3	2.3	2.3
137.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
140°	1.5	1.5	1.5	1.5	2.3	2.3	2.3	1.5	1.5	2.3	1.5
142.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
145°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
147.5°	0.8	1.5	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5
150°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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)