

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: P694611

Luminaire Tested: **LXF.LXT-PA16-20-750-U-5WQ-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694611
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-PA16-20-750-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 420mA 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: 2981.1 lumens
Efficiency: N/A
Efficacy: 136.7 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 - U3 - G2

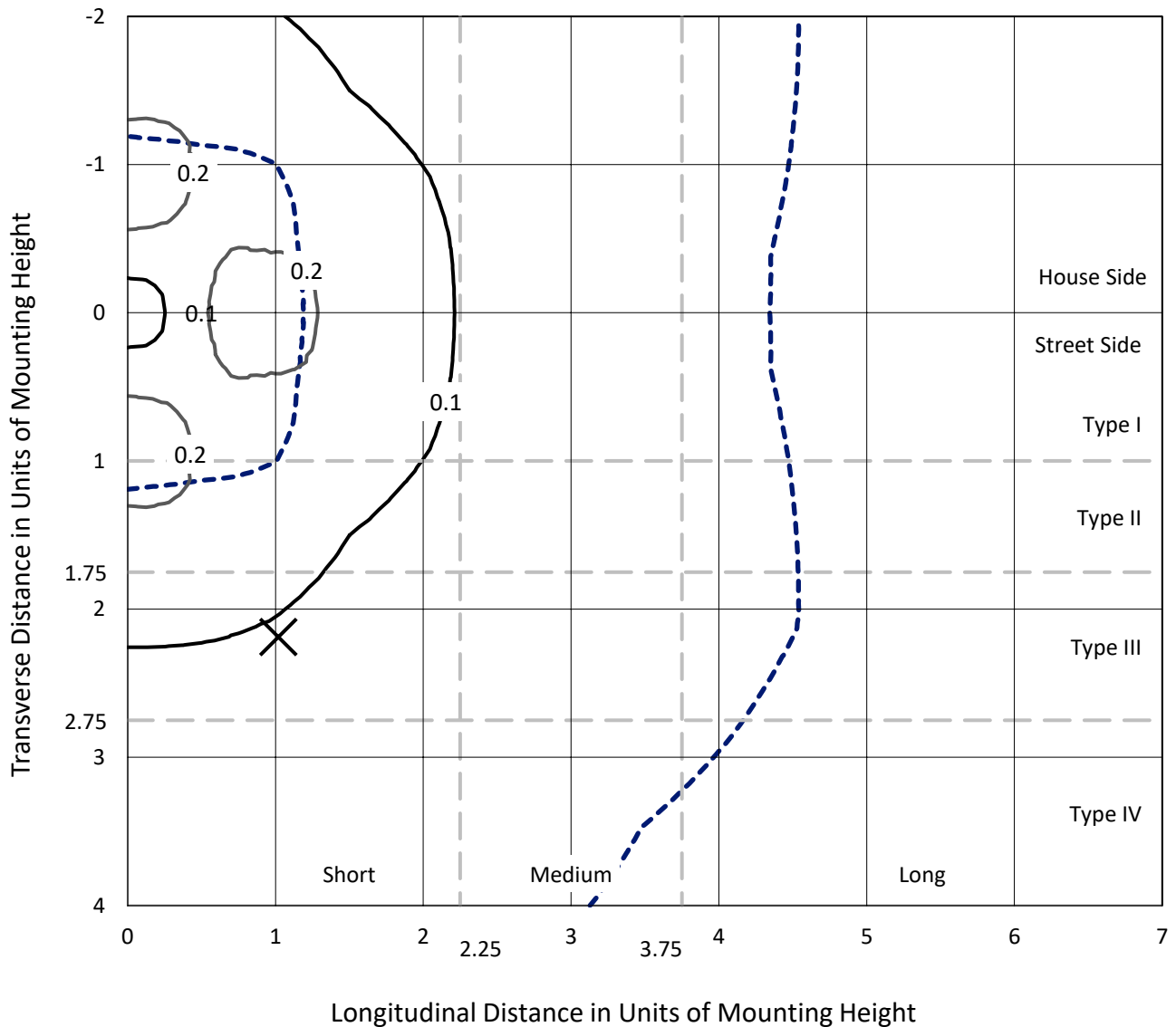
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P694611
 CATALOG NUMBER: LXF.LXT-PA16-20-750-U-5WQ-A

Iso-Footcandle Lines of Horizontal Illumination

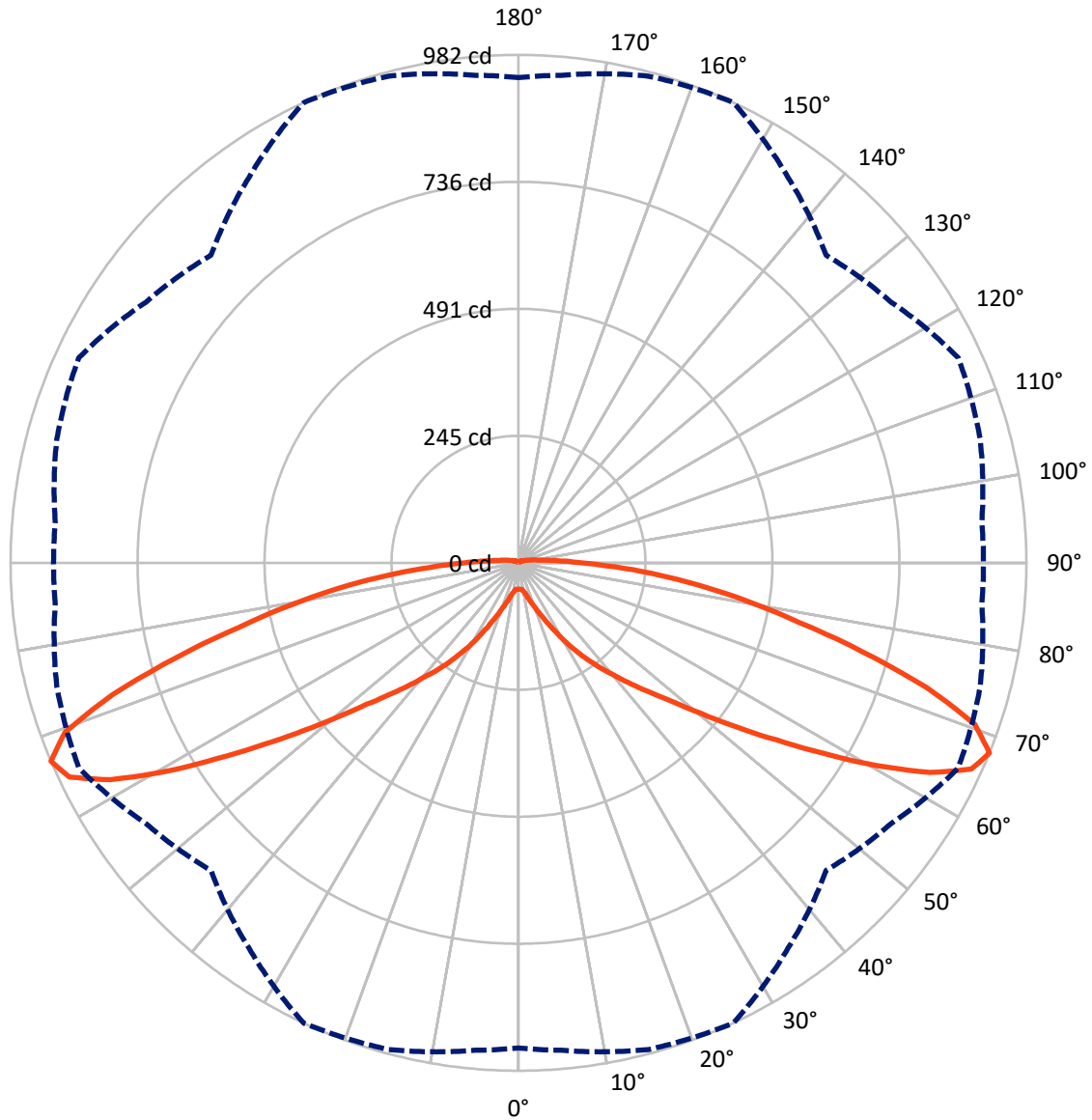
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P694611
CATALOG NUMBER: LXF.LXT-PA16-20-750-U-5WQ-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P694611
 CATALOG NUMBER: LXF.LXT-PA16-20-750-U-5WQ-A

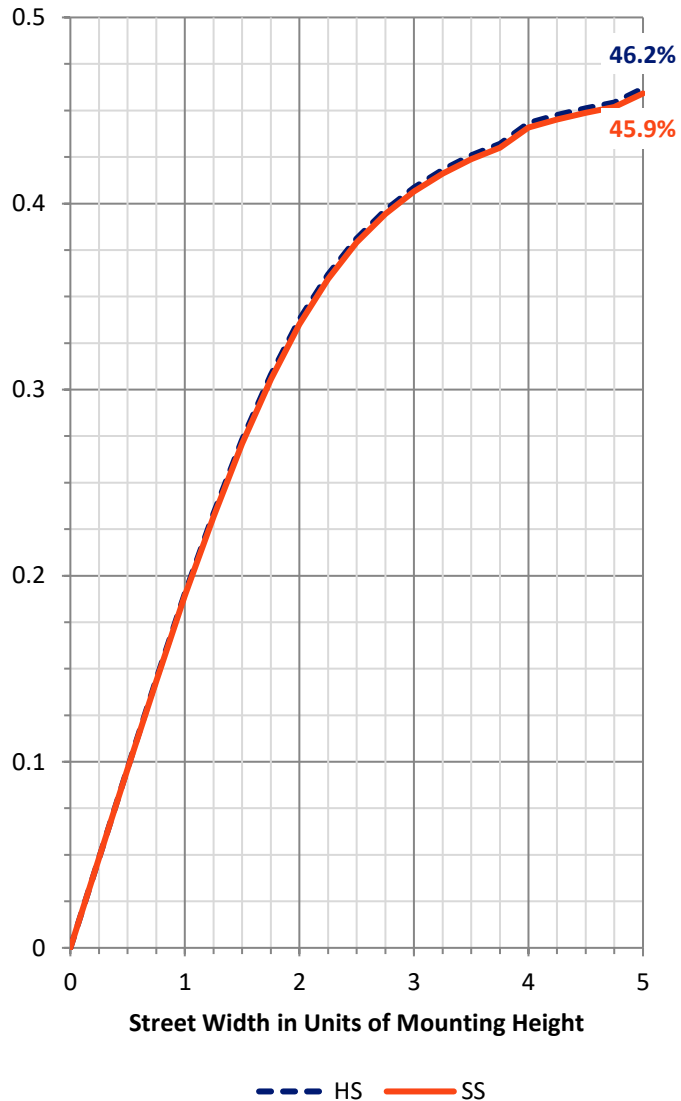
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1437.0	53.6	1490.5
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	1437.0	53.6	1490.5
	% Fixture	48.2	1.8	50.0
Total	Lumens	2874.0	107.1	2981.1
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	0.2
10°-20°	21.0	0.7
20°-30°	62.3	2.1
30°-40°	149.5	5.0
40°-50°	280.7	9.4
50°-60°	533.2	17.9
60°-70°	865.5	29.0
70°-80°	679.6	22.8
80°-90°	277.2	9.3
90°-100°	67.6	2.3
100°-110°	21.2	0.7
110°-120°	9.0	0.3
120°-130°	4.9	0.2
130°-140°	2.9	0.1
140°-150°	1.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2874.0	96.4
0°-180°	2981.1	100.0

Coefficient of Utilization



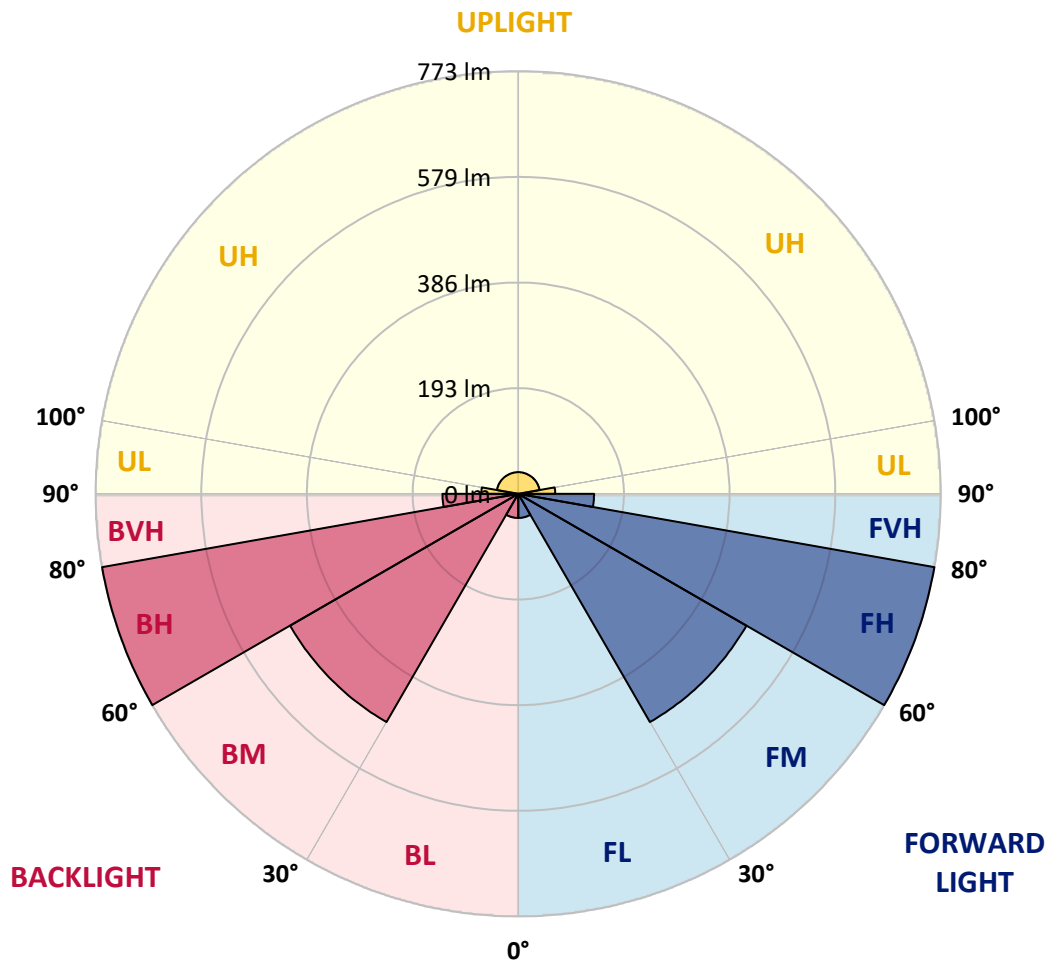
REPORT NUMBER: P694611
 CATALOG NUMBER: LXF.LXT-PA16-20-750-U-5WQ-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	44.2	1.5			
FM (30°-60°)	481.7	16.2			
FH (60°-80°)	772.5	25.9			G1/1800
FVH (80°-90°)	138.6	4.6			G2/225
BL (0°-30°)	44.2	1.5	B0/110		
BM (30°-60°)	481.7	16.2	B1/1000		
BH (60°-80°)	772.5	25.9	B2/1000		G1/1800
BVH (80°-90°)	138.6	4.6			G2/225
UL (90°-100°)	67.6	2.3		U3/500	
UH (100°-180°)	39.5	1.3		U2/50	

BUG Rating: B2-U3-G2

Type V Short



REPORT NUMBER: P694611
 CATALOG NUMBER: LXF.LXT-PA16-20-750-U-5WQ-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
2.5°	50.0	50.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
5°	51.0	51.0	51.0	51.0	52.0	52.0	52.0	51.0	51.0	51.0	51.0
7.5°	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
10°	57.0	57.0	56.0	57.0	56.0	56.0	56.0	55.0	56.0	56.0	56.0
12.5°	64.0	64.0	63.0	62.0	61.0	60.0	60.0	60.0	61.0	62.0	62.0
15°	74.0	74.0	73.0	71.0	68.0	67.0	68.0	69.0	70.0	72.0	72.0
17.5°	86.0	86.0	84.0	81.0	78.0	77.0	78.0	80.0	82.0	84.0	85.0
20°	101.0	100.0	98.0	93.0	90.0	89.0	90.0	92.0	96.0	99.0	99.0
22.5°	119.0	119.0	115.0	109.0	104.0	103.0	103.0	108.0	113.0	118.0	119.0
25°	141.0	142.0	136.0	127.0	121.0	118.0	120.0	127.0	136.0	142.0	144.0
27.5°	170.0	169.0	161.0	149.0	139.0	134.0	139.0	149.0	162.0	169.0	172.0
30°	200.0	200.0	190.0	175.0	160.0	154.0	161.0	174.0	190.0	201.0	203.0
32.5°	230.0	230.0	218.0	202.0	183.0	174.0	183.0	204.0	225.0	239.0	242.0
35°	262.0	264.0	249.0	229.0	206.0	197.0	208.0	234.0	261.0	276.0	277.0
37.5°	288.0	288.0	278.0	258.0	230.0	219.0	234.0	269.0	297.0	310.0	314.0
40°	322.0	323.0	311.0	286.0	257.0	244.0	263.0	299.0	321.0	327.0	329.0
42.5°	357.0	358.0	348.0	321.0	285.0	271.0	290.0	322.0	342.0	351.0	354.0
45°	390.0	393.0	383.0	357.0	319.0	299.0	316.0	352.0	378.0	388.0	391.0
47.5°	434.0	439.0	428.0	401.0	357.0	333.0	351.0	396.0	427.0	435.0	435.0
50°	486.0	491.0	487.0	458.0	405.0	375.0	400.0	450.0	482.0	493.0	492.0
52.5°	555.0	557.0	553.0	526.0	465.0	428.0	455.0	516.0	547.0	543.0	548.0
55°	627.0	632.0	635.0	604.0	539.0	493.0	530.0	590.0	613.0	615.0	614.0
57.5°	714.0	722.0	719.0	695.0	621.0	573.0	610.0	669.0	702.0	700.0	705.0
60°	806.9	810.9	818.9	795.9	723.0	658.0	699.0	768.0	789.0	774.0	776.0
62.5°	881.9	887.9	901.9	892.9	814.9	745.0	788.0	843.9	855.9	840.9	843.9
65°	941.9	946.9	968.9	961.9	885.9	813.9	853.9	910.9	913.9	891.9	889.9
67.5°	937.9	945.9	973.9	981.9	908.9	840.9	878.9	937.9	923.9	898.9	898.9
70°	871.9	872.9	906.9	935.9	869.9	806.9	850.9	892.9	879.9	850.9	846.9
72.5°	749.0	761.0	799.9	824.9	782.0	732.0	759.0	799.9	757.0	717.0	714.0
75°	605.0	603.0	639.0	687.0	665.0	623.0	655.0	664.0	625.0	591.0	583.0
77.5°	483.0	487.0	518.0	555.0	551.0	524.0	533.0	541.0	506.0	470.0	468.0
80°	385.0	385.0	423.0	447.0	448.0	437.0	439.0	434.0	397.0	374.0	370.0
82.5°	288.0	290.0	316.0	347.0	367.0	364.0	357.0	342.0	312.0	287.0	286.0
85°	196.0	200.0	222.0	256.0	285.0	292.0	288.0	254.0	217.0	193.0	190.0
87.5°	129.0	132.0	145.0	172.0	210.0	229.0	213.0	176.0	145.0	132.0	128.0
90°	87.0	89.0	97.0	112.0	147.0	167.0	149.0	116.0	95.0	86.0	86.0
92.5°	59.0	60.0	66.0	76.0	99.0	116.0	100.0	77.0	64.0	58.0	57.0
95°	40.0	41.0	45.0	52.0	68.0	78.0	68.0	51.0	45.0	41.0	40.0
97.5°	31.0	32.0	34.0	38.0	48.0	54.0	47.0	38.0	34.0	32.0	31.0
100°	25.0	25.0	28.0	30.0	35.0	39.0	35.0	29.0	27.0	25.0	25.0
102.5°	20.0	21.0	22.0	24.0	28.0	31.0	28.0	23.0	21.0	20.0	20.0
105°	16.0	16.0	17.0	19.0	22.0	24.0	22.0	19.0	17.0	16.0	15.0
107.5°	13.0	12.0	14.0	16.0	18.0	20.0	18.0	15.0	13.0	12.0	12.0
110°	10.0	10.0	11.0	13.0	15.0	16.0	15.0	12.0	11.0	10.0	10.0

REPORT NUMBER: P694611
 CATALOG NUMBER: LXF.LXT-PA16-20-750-U-5WQ-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	8.0	8.0	9.0	10.0	13.0	14.0	12.0	10.0	9.0	8.0	8.0
115°	7.0	7.0	7.0	9.0	11.0	12.0	11.0	8.0	7.0	7.0	7.0
117.5°	6.0	6.0	6.0	7.0	9.0	10.0	9.0	7.0	6.0	6.0	6.0
120°	6.0	6.0	6.0	6.0	8.0	9.0	8.0	6.0	6.0	6.0	6.0
122.5°	5.0	5.0	5.0	6.0	7.0	8.0	7.0	6.0	5.0	5.0	5.0
125°	5.0	5.0	5.0	5.0	6.0	7.0	6.0	5.0	5.0	5.0	5.0
127.5°	4.0	4.0	4.0	5.0	6.0	6.0	6.0	5.0	4.0	4.0	4.0
130°	4.0	4.0	4.0	4.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0
132.5°	4.0	4.0	4.0	4.0	5.0	5.0	5.0	4.0	4.0	4.0	4.0
135°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
137.5°	3.0	3.0	3.0	3.0	3.0	4.0	3.0	3.0	3.0	3.0	3.0
140°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
142.5°	3.0	3.0	2.0	2.0	3.0	3.0	2.0	2.0	2.0	3.0	3.0
145°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	1.0	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0
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)