

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: P695034

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695034
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-PA16-40-727-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 740mA 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: 4081 lumens
Efficiency: N/A
Efficacy: 101.5 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

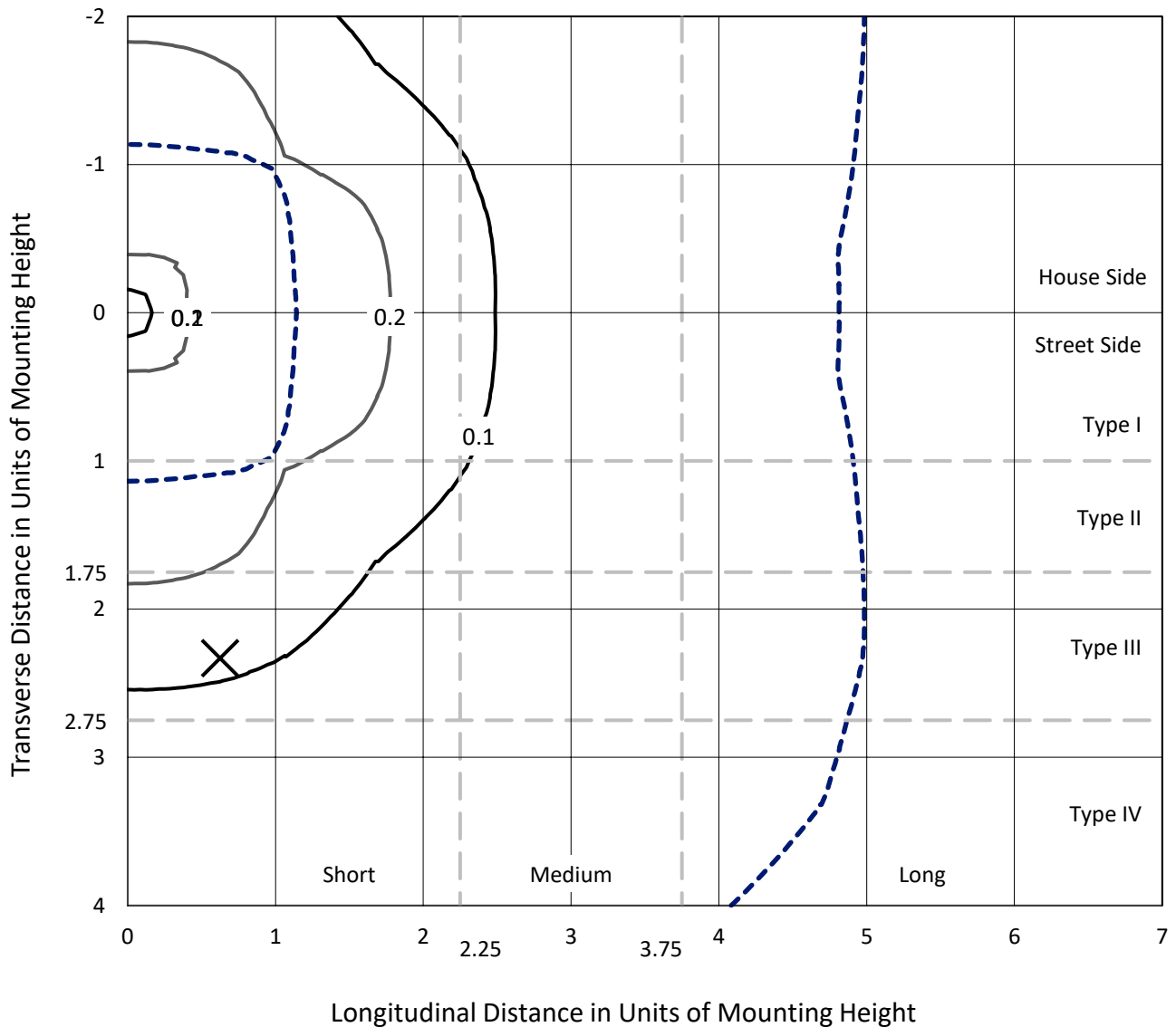
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

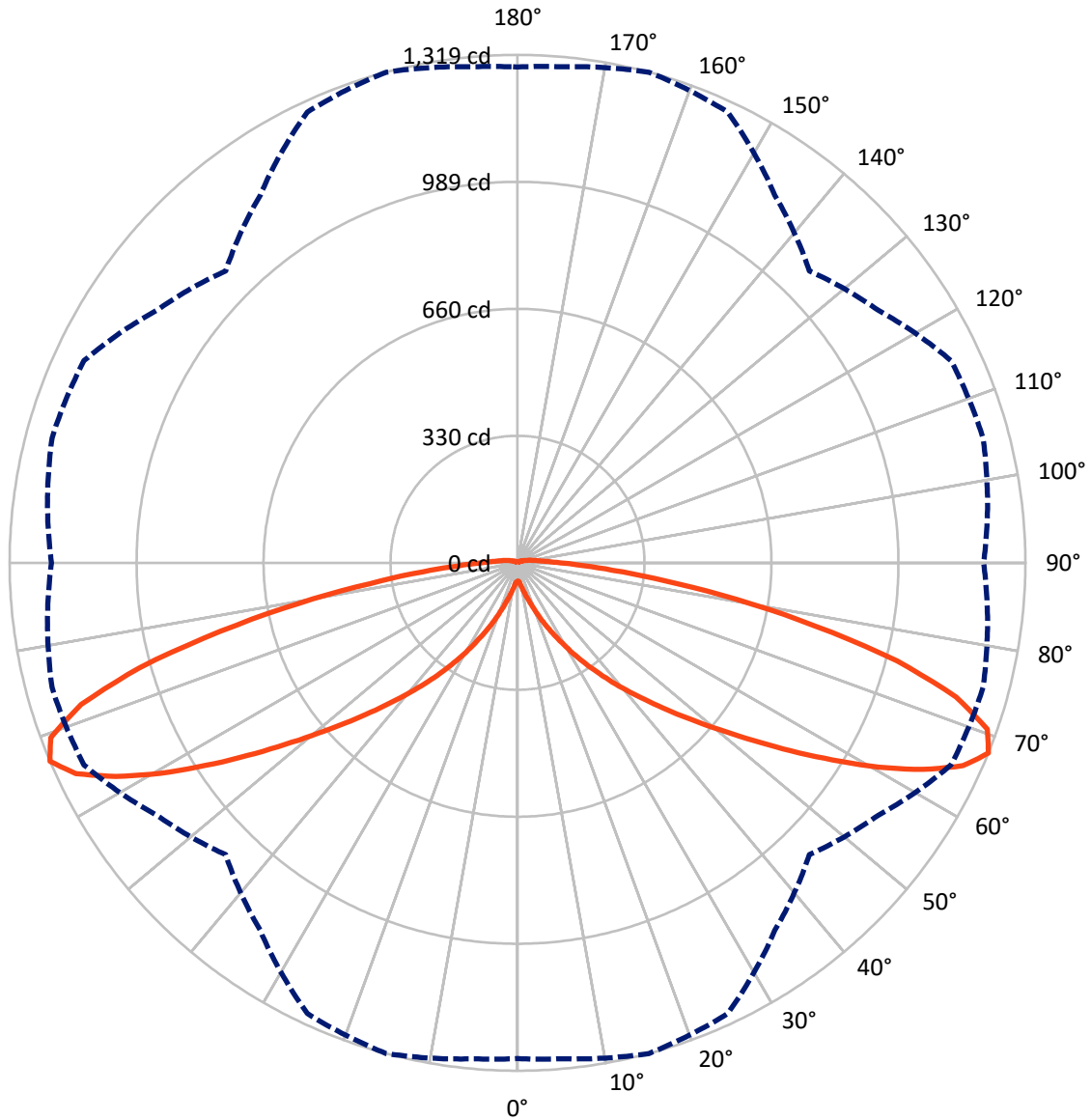
× Max cd
 - - - 1/2 Max cd



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

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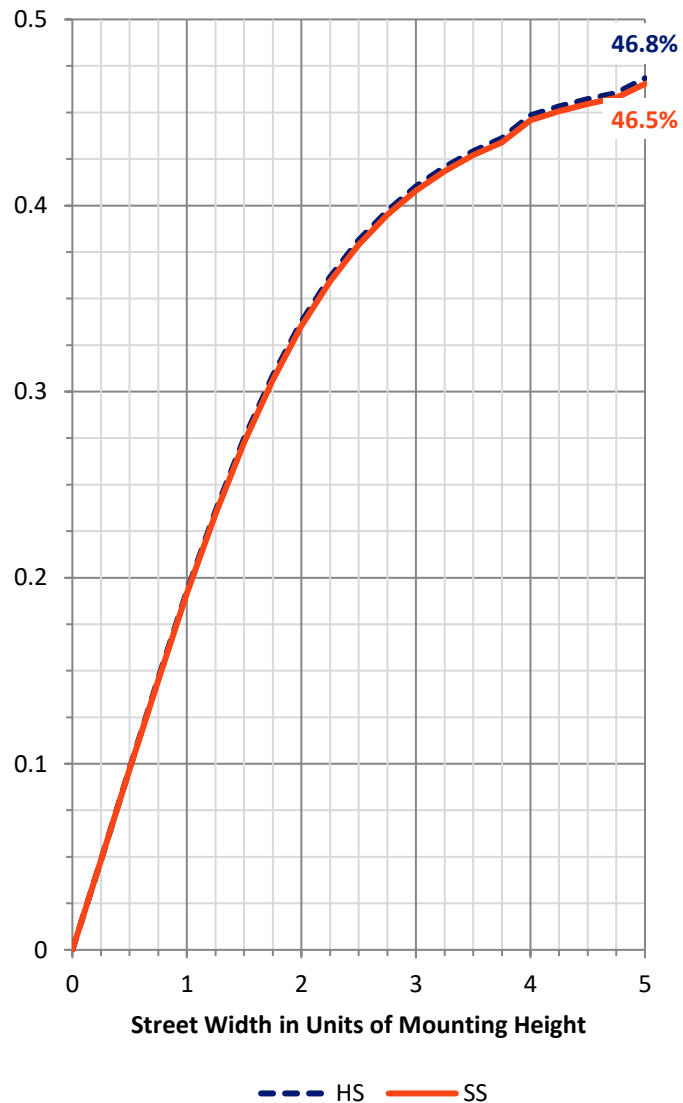
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1974.9	65.6	2040.5
	% Fixture	48.4	1.6	50.0
Street Side	Lumens	1974.9	65.6	2040.5
	% Fixture	48.4	1.6	50.0
Total	Lumens	3949.8	131.2	4081.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.1
10°-20°	27.7	0.7
20°-30°	86.9	2.1
30°-40°	204.3	5.0
40°-50°	398.3	9.8
50°-60°	728.8	17.9
60°-70°	1145.2	28.1
70°-80°	1009.7	24.7
80°-90°	343.4	8.4
90°-100°	76.9	1.9
100°-110°	29.5	0.7
110°-120°	13.0	0.3
120°-130°	6.5	0.2
130°-140°	3.5	0.1
140°-150°	1.6	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3949.8	96.8
0°-180°	4081.0	100.0

Coefficient of Utilization



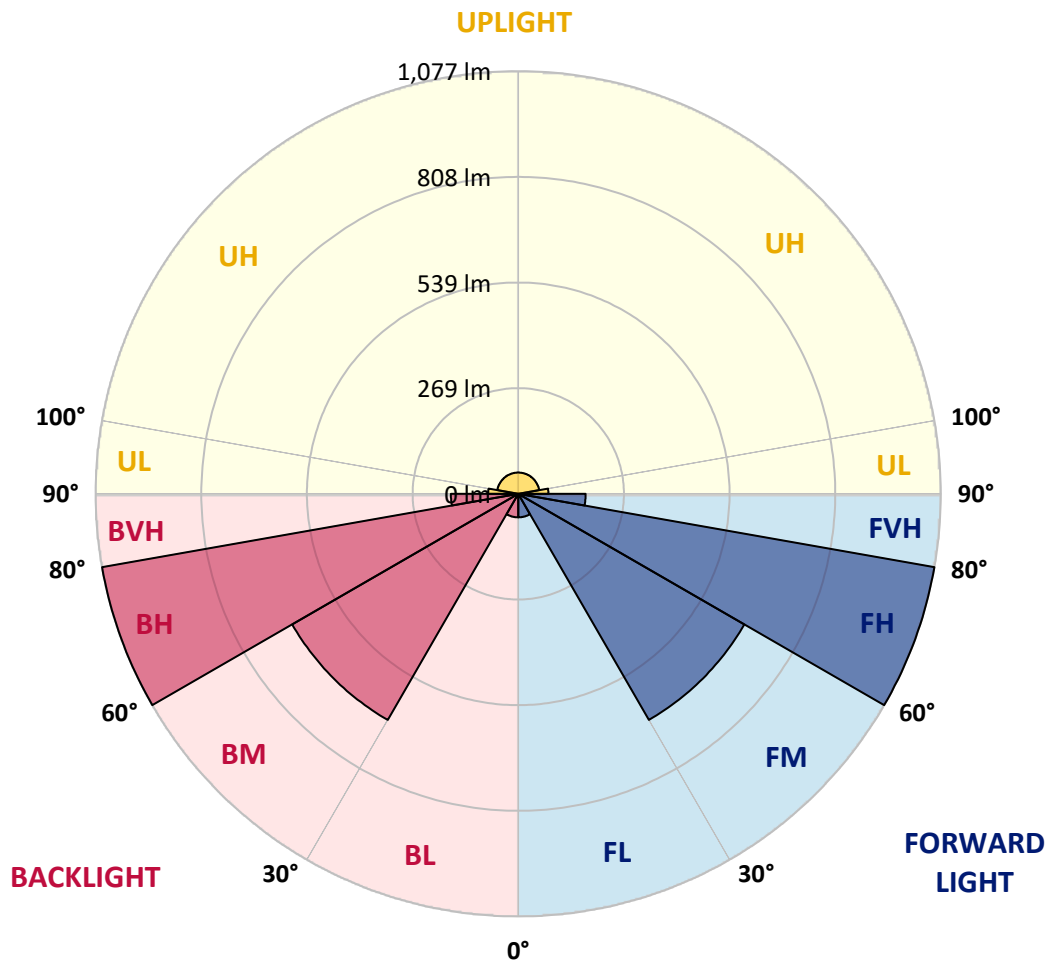
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	60.0	1.5			
FM (30°-60°)	665.7	16.3			
FH (60°-80°)	1077.5	26.4			G1/1800
FVH (80°-90°)	171.7	4.2			G2/225
BL (0°-30°)	60.0	1.5	B0/110		
BM (30°-60°)	665.7	16.3	B1/1000		
BH (60°-80°)	1077.5	26.4	B3/2500		G1/1800
BVH (80°-90°)	171.7	4.2			G2/225
UL (90°-100°)	76.9	1.9		U3/500	
UH (100°-180°)	54.2	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°	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
2.5°	48.1	48.1	48.1	48.1	49.5	49.5	49.5	48.1	48.1	48.1	48.1
5°	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	50.8
7.5°	57.7	57.7	57.7	57.7	57.7	59.1	57.7	57.7	57.7	57.7	57.7
10°	67.3	67.3	67.3	67.3	65.9	65.9	65.9	65.9	64.6	65.9	64.6
12.5°	79.7	79.7	79.7	78.3	76.9	76.9	76.9	75.6	76.9	76.9	76.9
15°	96.2	96.2	94.8	93.4	90.7	89.3	90.7	90.7	90.7	92.1	92.1
17.5°	114.0	115.4	112.7	109.9	107.2	107.2	105.8	107.2	109.9	111.3	111.3
20°	140.1	138.8	134.6	130.5	126.4	125.0	125.0	129.1	131.9	133.3	134.6
22.5°	166.2	166.2	162.1	153.9	148.4	145.6	147.0	151.1	158.0	163.5	163.5
25°	199.2	196.5	191.0	180.0	171.7	169.0	170.4	177.2	188.2	192.3	195.1
27.5°	232.2	230.8	222.6	210.2	197.8	192.3	196.5	208.8	221.2	229.4	232.2
30°	270.7	269.3	259.7	243.2	226.7	218.5	225.3	240.4	259.7	269.3	272.0
32.5°	313.3	311.9	299.5	277.5	255.5	247.3	255.5	277.5	299.5	311.9	313.3
35°	358.6	354.5	340.7	316.0	287.1	276.2	287.1	316.0	342.1	358.6	360.0
37.5°	403.9	401.2	386.1	357.2	322.9	309.1	321.5	358.6	387.4	406.7	402.6
40°	450.6	449.3	434.2	399.8	361.3	343.5	362.7	399.8	435.5	456.1	457.5
42.5°	504.2	504.2	485.0	449.3	402.6	382.0	402.6	450.6	490.5	507.0	508.4
45°	563.3	559.2	544.1	505.6	452.0	427.3	452.0	505.6	545.4	564.7	563.3
47.5°	625.1	622.4	608.6	570.2	507.0	480.9	505.6	567.4	608.6	622.4	622.4
50°	696.6	693.8	681.5	641.6	572.9	541.3	574.3	636.1	681.5	693.8	689.7
52.5°	779.0	770.8	765.3	726.8	652.6	611.4	647.1	721.3	762.5	765.3	765.3
55°	860.1	865.6	861.4	820.2	737.8	688.3	732.3	813.4	850.5	856.0	849.1
57.5°	963.1	968.6	965.9	923.3	834.0	774.9	824.4	913.7	945.3	943.9	942.5
60°	1077.2	1079.9	1077.2	1040.1	941.1	866.9	926.0	1019.4	1049.7	1041.4	1034.6
62.5°	1177.5	1180.2	1181.6	1154.1	1035.9	953.5	1014.0	1119.7	1143.1	1129.4	1125.2
65°	1258.5	1257.1	1270.9	1242.0	1117.0	1024.9	1093.6	1204.9	1218.7	1196.7	1189.8
67.5°	1287.4	1292.9	1319.0	1291.5	1165.1	1071.7	1143.1	1242.0	1251.6	1224.2	1210.4
70°	1250.3	1262.6	1294.2	1280.5	1165.1	1078.5	1144.5	1231.0	1226.9	1192.6	1178.8
72.5°	1148.6	1151.3	1191.2	1198.1	1112.9	1041.4	1092.3	1154.1	1133.5	1086.8	1082.6
75°	968.6	968.6	1018.1	1048.3	1001.6	943.9	983.7	1011.2	979.6	924.6	917.8
77.5°	741.9	750.2	791.4	857.3	846.3	818.9	836.7	842.2	776.3	718.6	719.9
80°	522.1	533.1	577.0	644.4	663.6	662.2	666.4	630.6	568.8	522.1	515.2
82.5°	350.3	344.9	386.1	446.5	491.9	500.1	497.4	447.9	387.4	343.5	338.0
85°	213.0	214.3	247.3	296.8	338.0	358.6	343.5	299.5	244.6	215.7	214.3
87.5°	131.9	134.6	153.9	186.9	229.4	248.7	232.2	193.7	153.9	133.3	131.9
90°	89.3	89.3	101.7	122.3	151.1	170.4	155.3	125.0	101.7	89.3	87.9
92.5°	64.6	67.3	71.4	85.2	105.8	118.2	107.2	85.2	71.4	64.6	63.2
95°	50.8	50.8	55.0	61.8	76.9	85.2	76.9	63.2	55.0	49.5	49.5
97.5°	39.8	41.2	44.0	49.5	59.1	64.6	59.1	49.5	44.0	39.8	38.5
100°	31.6	33.0	35.7	41.2	48.1	50.8	48.1	41.2	35.7	31.6	31.6
102.5°	24.7	26.1	28.9	34.3	39.8	41.2	39.8	33.0	28.9	24.7	24.7
105°	19.2	19.2	23.4	28.9	33.0	34.3	33.0	27.5	23.4	19.2	19.2
107.5°	15.1	15.1	19.2	23.4	27.5	28.9	27.5	23.4	17.9	15.1	15.1
110°	12.4	12.4	15.1	19.2	23.4	24.7	23.4	19.2	15.1	12.4	12.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	9.6	9.6	12.4	16.5	19.2	20.6	19.2	16.5	12.4	9.6	9.6
115°	8.2	8.2	9.6	13.7	16.5	17.9	16.5	13.7	9.6	8.2	8.2
117.5°	6.9	6.9	8.2	11.0	13.7	15.1	13.7	11.0	8.2	6.9	6.9
120°	6.9	6.9	6.9	9.6	12.4	13.7	12.4	9.6	6.9	6.9	6.9
122.5°	5.5	5.5	6.9	8.2	11.0	11.0	9.6	8.2	6.9	5.5	5.5
125°	5.5	5.5	5.5	6.9	8.2	9.6	8.2	6.9	5.5	5.5	5.5
127.5°	5.5	5.5	5.5	5.5	8.2	8.2	8.2	5.5	5.5	5.5	5.5
130°	4.1	4.1	4.1	5.5	6.9	6.9	6.9	5.5	5.5	4.1	5.5
132.5°	4.1	4.1	4.1	5.5	5.5	6.9	5.5	5.5	4.1	4.1	4.1
135°	4.1	4.1	4.1	4.1	5.5	5.5	5.5	4.1	4.1	4.1	4.1
137.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
140°	2.7	2.7	2.7	2.7	4.1	4.1	4.1	2.7	2.7	4.1	2.7
142.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
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°	1.4	2.7	1.4	1.4	1.4	2.7	2.7	2.7	2.7	2.7	2.7
150°	1.4	1.4	1.4	1.4	1.4	1.4	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)