

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: P695212

Luminaire Tested: **LXF.LXT-PA16-40-827-U-5WQ-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695212
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-827-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3782 lumens
Efficiency: N/A
Efficacy: 94.1 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: B3 - U3 - G1

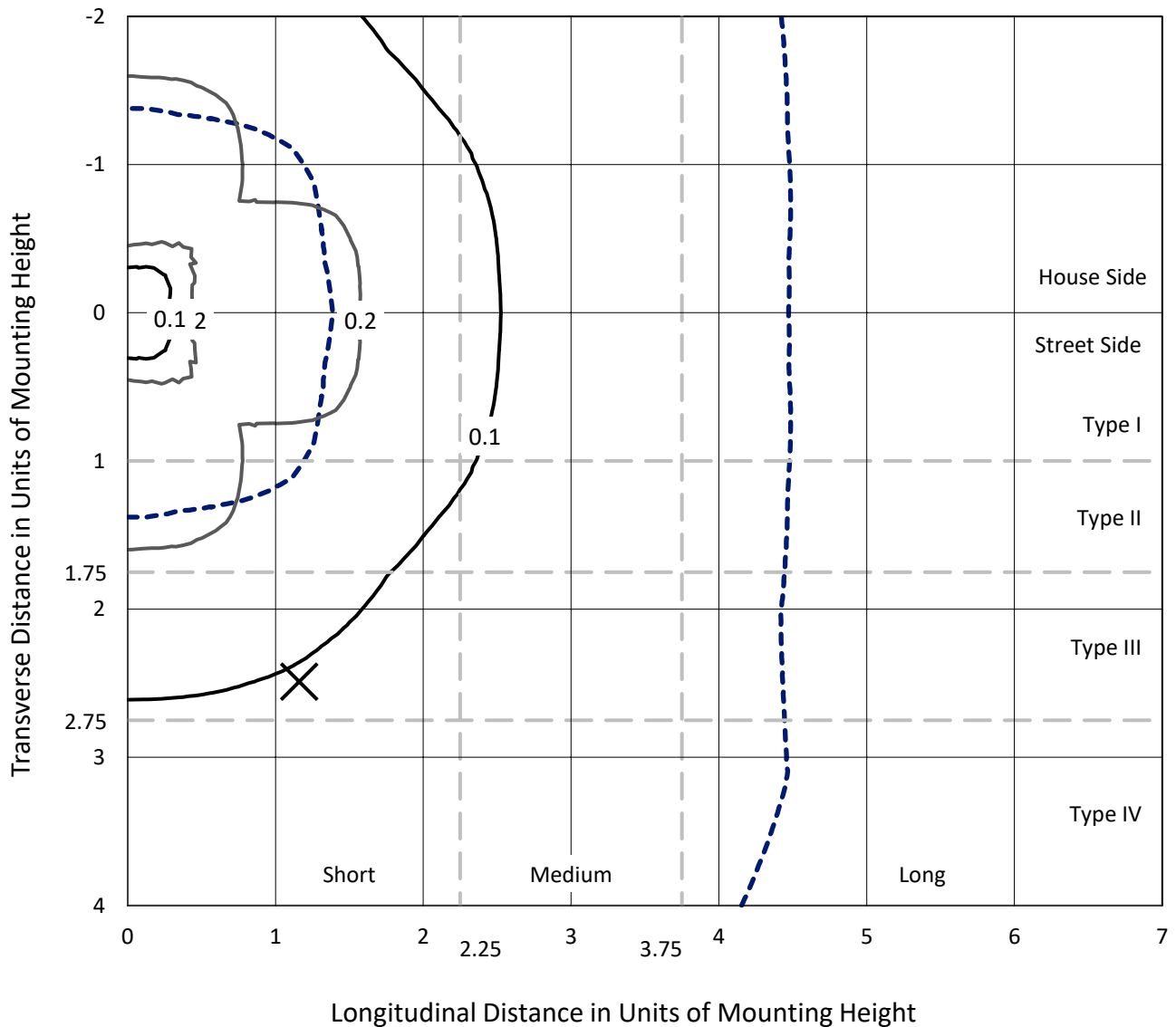
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

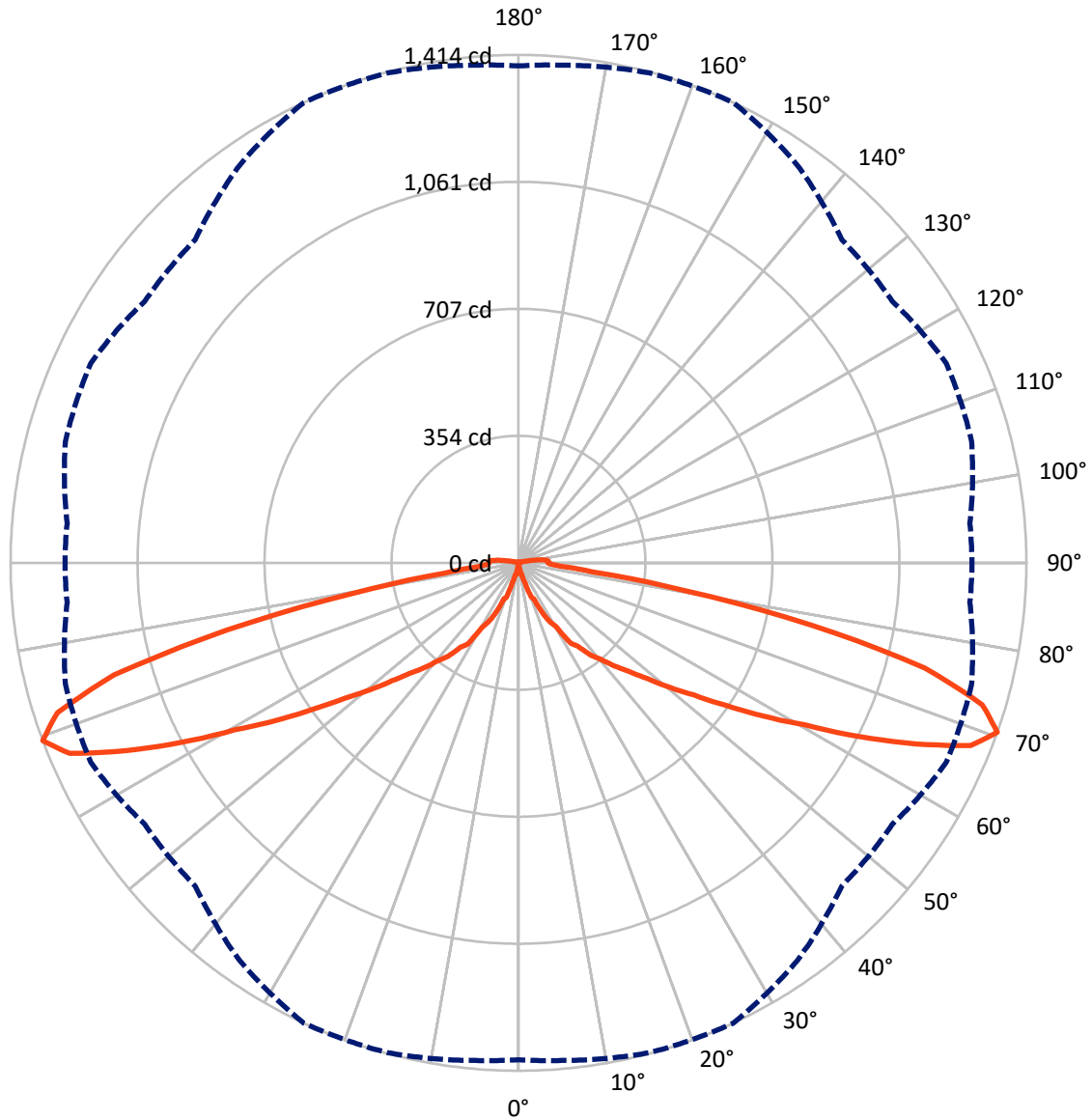
✕ Max cd
 - - - 1/2 Max cd



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 70-Deg Vertical

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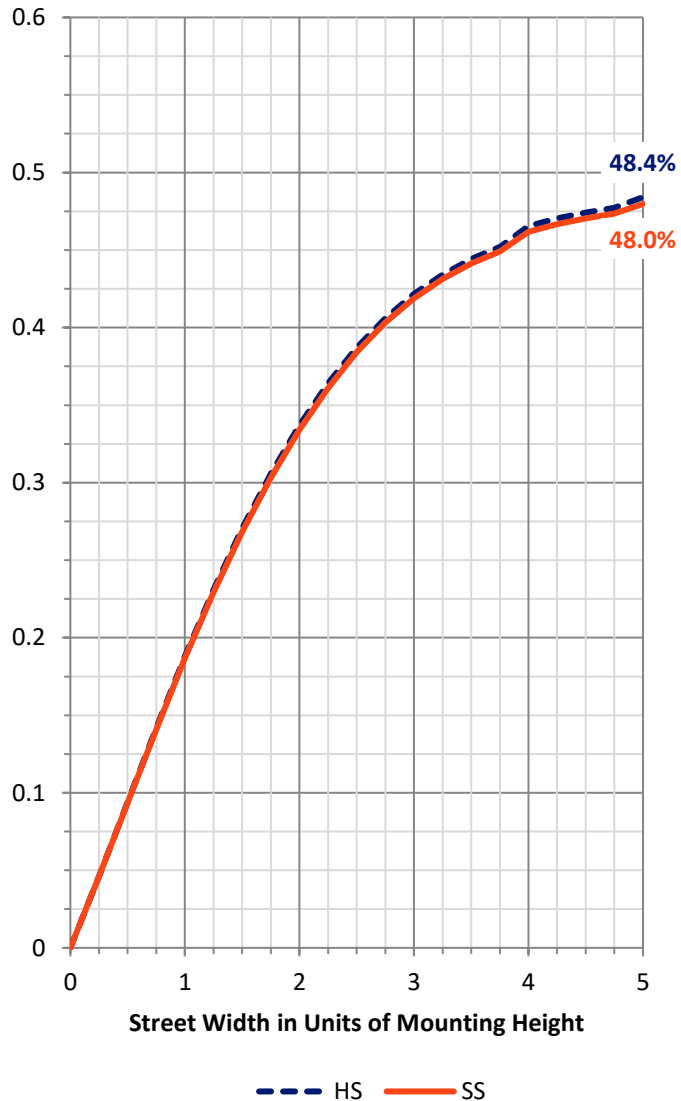
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1843.7	47.3	1891.0
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	1843.7	47.3	1891.0
	% Fixture	48.8	1.2	50.0
Total	Lumens	3687.5	94.5	3782.0
	% Fixture	97.5	2.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	14.3	0.4
20°-30°	75.7	2.0
30°-40°	190.2	5.0
40°-50°	346.4	9.2
50°-60°	631.6	16.7
60°-70°	1142.6	30.2
70°-80°	1088.2	28.8
80°-90°	198.2	5.2
90°-100°	76.7	2.0
100°-110°	11.2	0.3
110°-120°	2.9	0.1
120°-130°	1.8	0.0
130°-140°	1.1	0.0
140°-150°	0.8	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3687.5	97.5
0°-180°	3782.0	100.0

Coefficient of Utilization



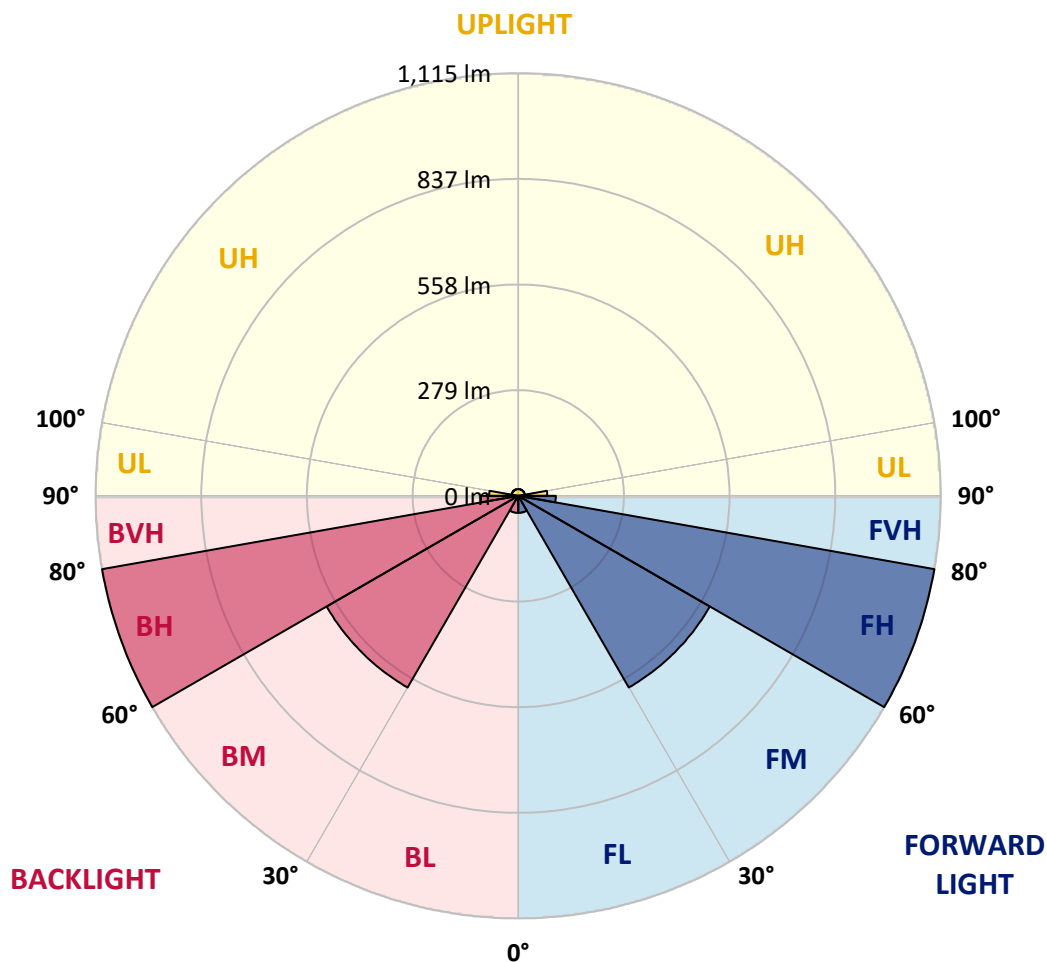
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	45.1	1.2			
FM (30°-60°)	584.1	15.4			
FH (60°-80°)	1115.4	29.5			G1/1800
FVH (80°-90°)	99.1	2.6			G1/100
BL (0°-30°)	45.1	1.2	B0/110		
BM (30°-60°)	584.1	15.4	B1/1000		
BH (60°-80°)	1115.4	29.5	B3/2500		G1/1800
BVH (80°-90°)	99.1	2.6			G1/100
UL (90°-100°)	76.7	2.0		U3/500	
UH (100°-180°)	17.8	0.5		U2/50	

BUG Rating: B3-U3-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
7.5°	2.5	2.5	2.5	1.2	2.5	1.2	2.5	1.2	1.2	2.5	2.5
10°	25.9	22.2	11.1	7.4	3.7	2.5	2.5	2.5	2.5	2.5	2.5
12.5°	34.5	34.5	33.3	32.0	27.1	7.4	3.7	7.4	12.3	25.9	28.3
15°	41.9	41.9	38.2	35.7	33.3	28.3	27.1	50.5	60.4	64.1	66.5
17.5°	102.3	102.3	93.6	59.1	38.2	53.0	72.7	66.5	70.2	71.5	72.7
20°	110.9	109.7	106.0	102.3	83.8	77.6	83.8	78.9	103.5	112.1	123.2
22.5°	145.4	136.8	120.7	108.4	117.0	104.7	97.3	134.3	142.9	149.1	150.3
25°	191.0	189.7	184.8	154.0	134.3	130.6	138.0	156.5	160.2	170.0	172.5
27.5°	203.3	204.5	194.7	184.8	178.7	162.6	171.3	191.0	221.8	234.1	235.3
30°	284.6	282.1	271.1	205.8	199.6	192.2	203.3	225.5	236.6	250.1	252.6
32.5°	298.2	294.5	290.8	267.4	223.0	219.3	232.9	244.0	298.2	335.1	336.4
35°	351.1	351.1	337.6	285.8	274.8	246.4	256.3	300.6	338.8	354.8	354.8
37.5°	379.5	377.0	365.9	325.3	287.1	274.8	290.8	321.6	359.8	379.5	379.5
40°	411.5	409.1	396.7	353.6	326.5	300.6	322.8	353.6	396.7	414.0	414.0
42.5°	449.7	447.2	433.7	393.0	356.1	332.7	351.1	395.5	433.7	444.8	449.7
45°	495.3	491.6	479.3	431.2	391.8	362.2	379.5	436.2	475.6	496.5	494.1
47.5°	548.3	543.4	529.8	481.7	438.6	400.4	421.4	489.1	534.7	548.3	552.0
50°	602.5	600.0	593.9	544.6	489.1	452.2	479.3	550.7	595.1	602.5	605.0
52.5°	662.9	656.7	657.9	611.1	558.1	518.7	550.7	605.0	662.9	661.6	660.4
55°	733.1	731.9	735.6	701.1	640.7	597.6	633.3	701.1	738.0	734.3	726.9
57.5°	815.6	815.6	825.5	805.8	747.9	703.5	726.9	799.6	820.6	807.0	803.3
60°	924.1	917.9	935.2	916.7	877.2	818.1	847.7	910.5	919.1	901.9	905.6
62.5°	1059.6	1057.1	1067.0	1065.8	1018.9	949.9	980.7	1037.4	1047.3	1032.5	1038.7
65°	1209.9	1207.5	1219.8	1216.1	1163.1	1089.2	1116.3	1179.1	1179.1	1150.8	1153.2
67.5°	1333.1	1333.1	1351.6	1357.8	1285.1	1191.4	1209.9	1282.6	1277.7	1241.9	1243.2
70°	1383.6	1391.0	1412.0	1414.4	1352.8	1272.8	1270.3	1314.6	1306.0	1261.7	1262.9
72.5°	1297.4	1301.1	1338.1	1350.4	1336.8	1301.1	1262.9	1234.6	1213.6	1182.8	1182.8
75°	1051.0	1048.5	1096.6	1168.0	1208.7	1244.4	1154.5	1073.2	1042.4	1015.2	1025.1
77.5°	667.8	656.7	710.9	832.9	943.8	1048.5	949.9	830.4	750.3	699.8	692.4
80°	294.5	300.6	345.0	470.7	619.7	734.3	661.6	486.7	377.0	306.8	285.8
82.5°	130.6	133.1	151.5	207.0	345.0	431.2	365.9	223.0	154.0	136.8	135.5
85°	89.9	94.9	92.4	113.4	160.2	193.4	168.8	112.1	93.6	88.7	85.0
87.5°	82.6	83.8	78.9	86.2	106.0	98.6	98.6	80.1	67.8	73.9	72.7
90°	86.2	87.5	78.9	81.3	97.3	87.5	91.2	75.2	70.2	78.9	77.6
92.5°	87.5	93.6	86.2	83.8	97.3	96.1	91.2	77.6	76.4	85.0	83.8
95°	77.6	86.2	77.6	78.9	89.9	91.2	86.2	76.4	78.9	85.0	87.5
97.5°	46.8	50.5	50.5	57.9	62.8	66.5	64.1	55.4	46.8	44.4	41.9
100°	17.2	17.2	24.6	37.0	34.5	28.3	35.7	35.7	20.9	11.1	7.4
102.5°	7.4	7.4	14.8	20.9	14.8	9.9	16.0	22.2	13.6	7.4	6.2
105°	7.4	7.4	8.6	11.1	6.2	4.9	6.2	11.1	6.2	6.2	6.2
107.5°	6.2	6.2	4.9	4.9	3.7	3.7	3.7	3.7	4.9	6.2	7.4
110°	6.2	4.9	3.7	3.7	3.7	3.7	3.7	3.7	3.7	6.2	6.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	4.9	3.7	2.5	2.5	2.5	3.7	2.5	2.5	2.5	3.7	3.7
115°	3.7	3.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7
117.5°	3.7	3.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7
120°	3.7	3.7	2.5	1.2	1.2	1.2	2.5	2.5	2.5	3.7	3.7
122.5°	3.7	3.7	2.5	1.2	1.2	1.2	1.2	1.2	2.5	3.7	3.7
125°	3.7	3.7	2.5	1.2	1.2	1.2	1.2	1.2	2.5	3.7	3.7
127.5°	3.7	2.5	2.5	1.2	1.2	1.2	1.2	1.2	2.5	3.7	3.7
130°	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5
132.5°	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5
135°	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5
137.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
140°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
142.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
145°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
147.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
150°	2.5	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5
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)