

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: P694792

Luminaire Tested: **LXF.LXT-PA16-30-730-U-5WQ-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694792
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-PA16-30-730-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 560mA 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: 3628 lumens
Efficiency: N/A
Efficacy: 124.2 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

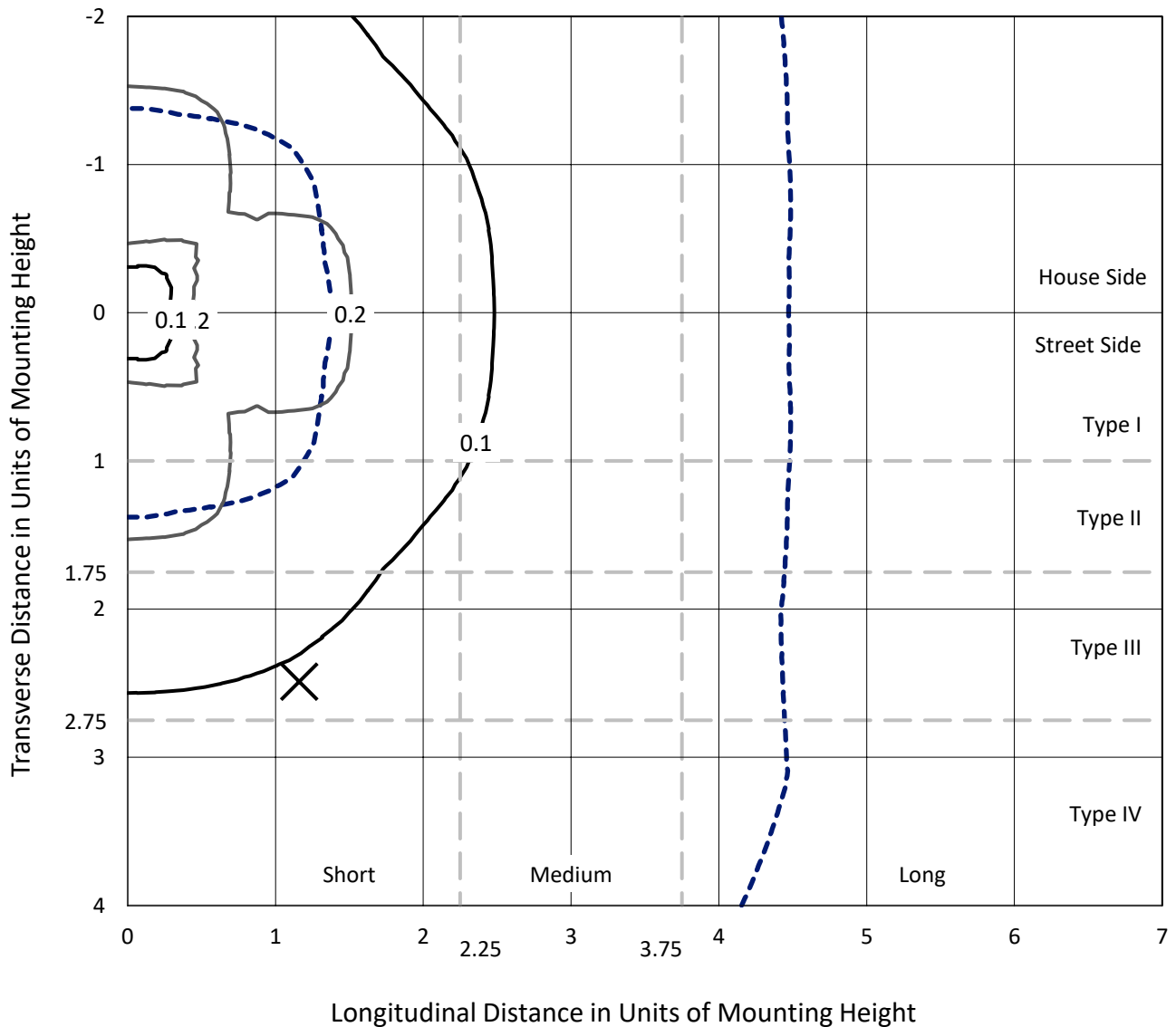
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

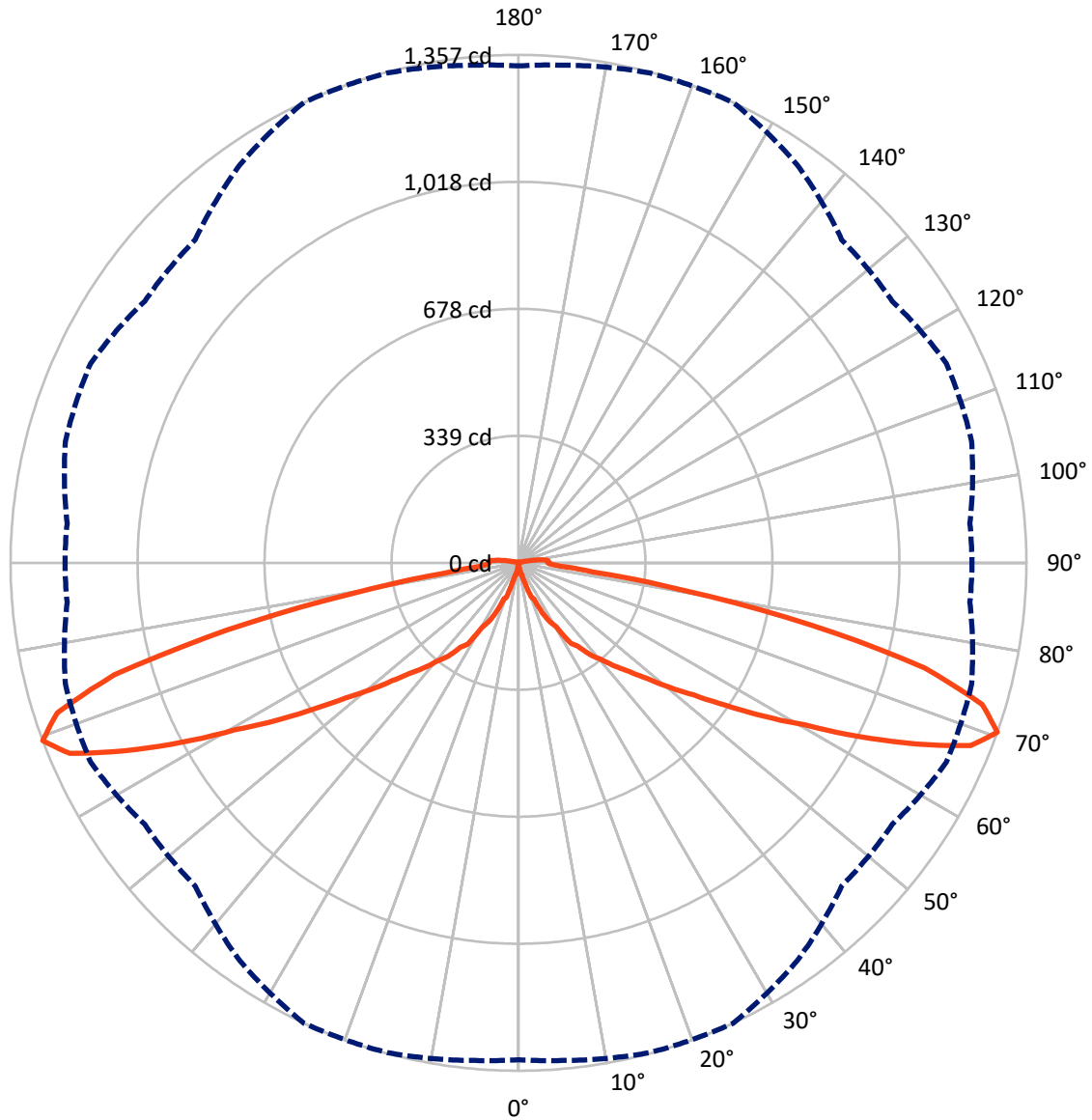
✕ Max cd
 - - - 1/2 Max cd



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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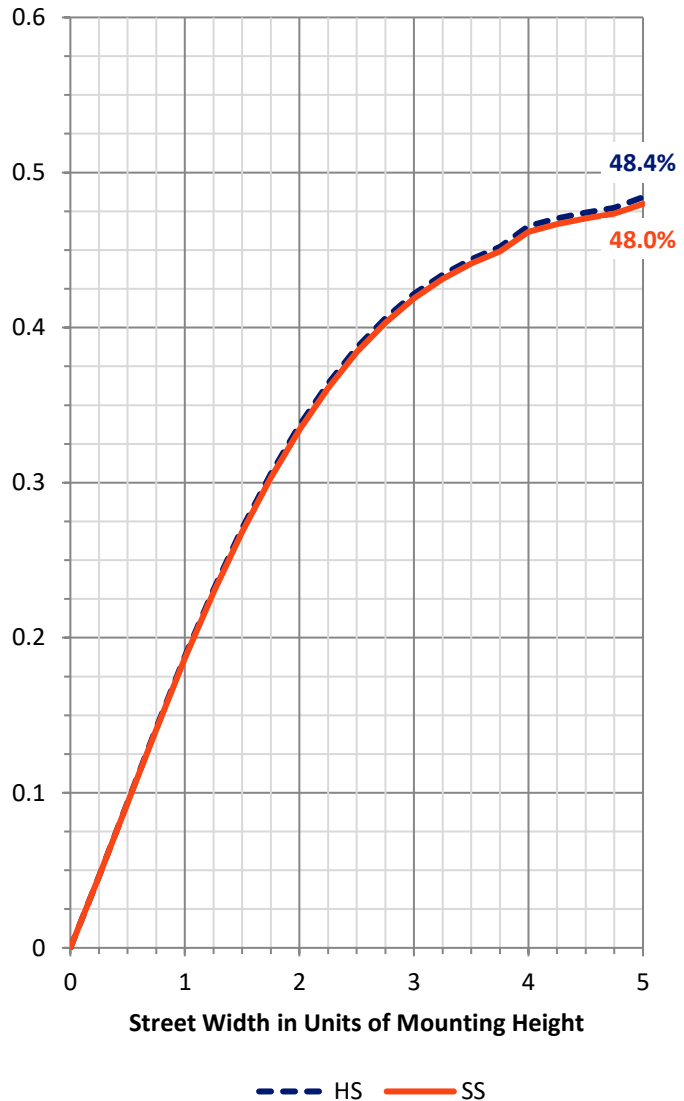
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1768.7	45.4	1814.0
	% Fixture	48.7	1.3	50.0
Street Side	Lumens	1768.7	45.4	1814.0
	% Fixture	48.7	1.3	50.0
Total	Lumens	3537.3	90.7	3628.0
	% Fixture	97.5	2.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	13.8	0.4
20°-30°	72.6	2.0
30°-40°	182.4	5.0
40°-50°	332.3	9.2
50°-60°	605.9	16.7
60°-70°	1096.1	30.2
70°-80°	1043.9	28.8
80°-90°	190.1	5.2
90°-100°	73.6	2.0
100°-110°	10.7	0.3
110°-120°	2.8	0.1
120°-130°	1.7	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°	3537.3	97.5
0°-180°	3628.0	100.0

Coefficient of Utilization



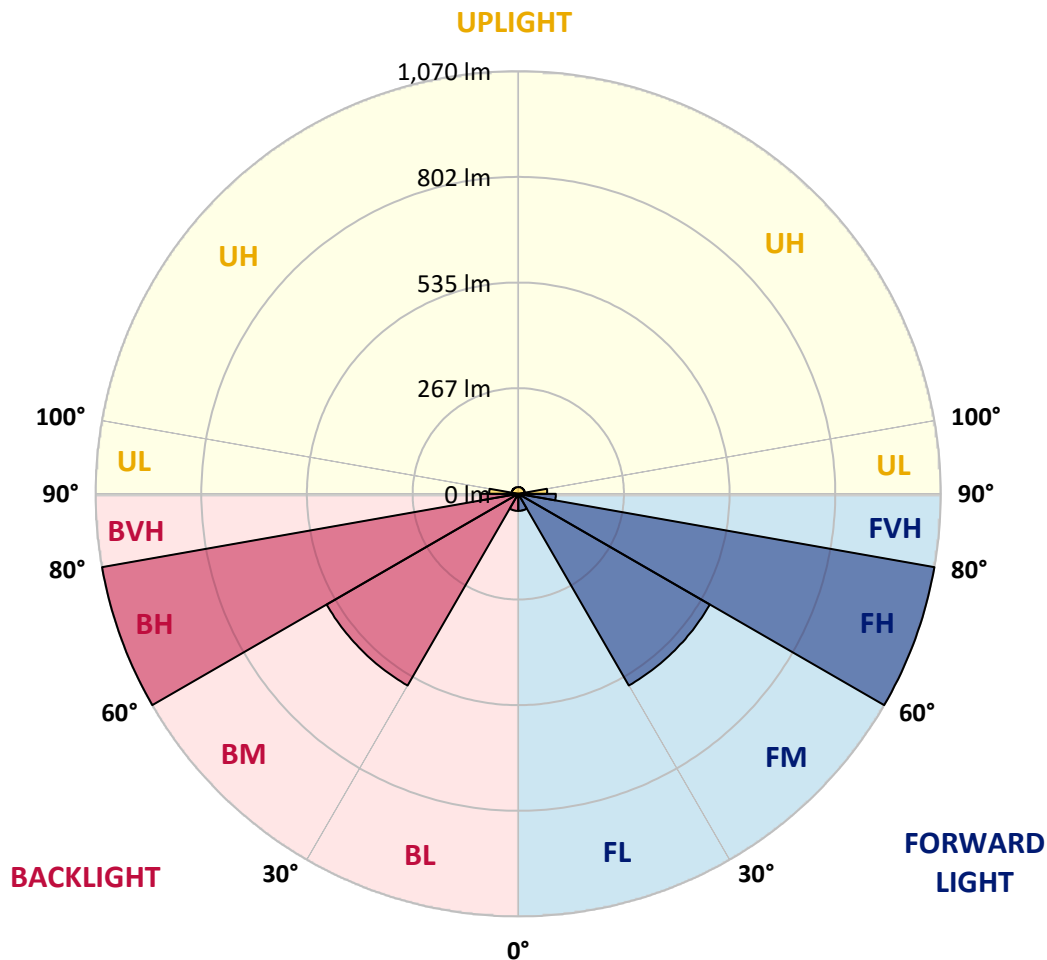
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	43.3	1.2			
FM (30°-60°)	560.3	15.4			
FH (60°-80°)	1070.0	29.5			G1/1800
FVH (80°-90°)	95.1	2.6			G1/100
BL (0°-30°)	43.3	1.2	B0/110		
BM (30°-60°)	560.3	15.4	B1/1000		
BH (60°-80°)	1070.0	29.5	B3/2500		G1/1800
BVH (80°-90°)	95.1	2.6			G1/100
UL (90°-100°)	73.6	2.0		U3/500	
UH (100°-180°)	17.2	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°	2.4	2.4	2.4	1.2	2.4	1.2	2.4	1.2	1.2	2.4	2.4
10°	24.8	21.3	10.6	7.1	3.5	2.4	2.4	2.4	2.4	2.4	2.4
12.5°	33.1	33.1	31.9	30.7	26.0	7.1	3.5	7.1	11.8	24.8	27.2
15°	40.2	40.2	36.6	34.3	31.9	27.2	26.0	48.5	57.9	61.5	63.8
17.5°	98.1	98.1	89.8	56.7	36.6	50.8	69.7	63.8	67.4	68.6	69.7
20°	106.4	105.2	101.6	98.1	80.4	74.5	80.4	75.6	99.3	107.6	118.2
22.5°	139.5	131.2	115.8	104.0	112.3	100.5	93.4	128.8	137.1	143.0	144.2
25°	183.2	182.0	177.3	147.7	128.8	125.3	132.4	150.1	153.6	163.1	165.5
27.5°	195.0	196.2	186.7	177.3	171.4	156.0	164.3	183.2	212.7	224.6	225.7
30°	273.0	270.7	260.0	197.4	191.5	184.4	195.0	216.3	226.9	239.9	242.3
32.5°	286.0	282.5	278.9	256.5	213.9	210.4	223.4	234.0	286.0	321.5	322.7
35°	336.8	336.8	323.8	274.2	263.6	236.4	245.8	288.4	325.0	340.4	340.4
37.5°	364.0	361.7	351.0	312.0	275.4	263.6	278.9	308.5	345.1	364.0	364.0
40°	394.8	392.4	380.6	339.2	313.2	288.4	309.7	339.2	380.6	397.1	397.1
42.5°	431.4	429.0	416.0	377.0	341.6	319.1	336.8	379.4	416.0	426.7	431.4
45°	475.1	471.6	459.8	413.7	375.9	347.5	364.0	418.4	456.2	476.3	474.0
47.5°	526.0	521.2	508.2	462.1	420.8	384.1	404.2	469.2	513.0	526.0	529.5
50°	578.0	575.6	569.7	522.4	469.2	433.8	459.8	528.3	570.9	578.0	580.3
52.5°	635.9	630.0	631.1	586.2	535.4	497.6	528.3	580.3	635.9	634.7	633.5
55°	703.2	702.1	705.6	672.5	614.6	573.2	607.5	672.5	708.0	704.4	697.3
57.5°	782.4	782.4	791.9	773.0	717.4	674.9	697.3	767.1	787.2	774.2	770.6
60°	886.4	880.5	897.1	879.4	841.5	784.8	813.2	873.4	881.7	865.2	868.7
62.5°	1016.5	1014.1	1023.5	1022.4	977.4	911.3	940.8	995.2	1004.6	990.5	996.4
65°	1160.6	1158.3	1170.1	1166.6	1115.7	1044.8	1070.8	1131.1	1131.1	1103.9	1106.3
67.5°	1278.8	1278.8	1296.6	1302.5	1232.7	1142.9	1160.6	1230.4	1225.7	1191.4	1192.6
70°	1327.3	1334.4	1354.5	1356.8	1297.8	1220.9	1218.6	1261.1	1252.8	1210.3	1211.5
72.5°	1244.6	1248.1	1283.6	1295.4	1282.4	1248.1	1211.5	1184.3	1164.2	1134.6	1134.6
75°	1008.2	1005.8	1051.9	1120.5	1159.5	1193.7	1107.5	1029.5	999.9	973.9	983.4
77.5°	640.6	630.0	682.0	799.0	905.4	1005.8	911.3	796.6	719.8	671.3	664.2
80°	282.5	288.4	330.9	451.5	594.5	704.4	634.7	466.9	361.7	294.3	274.2
82.5°	125.3	127.6	145.4	198.6	330.9	413.7	351.0	213.9	147.7	131.2	130.0
85°	86.3	91.0	88.6	108.7	153.6	185.6	161.9	107.6	89.8	85.1	81.6
87.5°	79.2	80.4	75.6	82.7	101.6	94.6	94.6	76.8	65.0	70.9	69.7
90°	82.7	83.9	75.6	78.0	93.4	83.9	87.5	72.1	67.4	75.6	74.5
92.5°	83.9	89.8	82.7	80.4	93.4	92.2	87.5	74.5	73.3	81.6	80.4
95°	74.5	82.7	74.5	75.6	86.3	87.5	82.7	73.3	75.6	81.6	83.9
97.5°	44.9	48.5	48.5	55.6	60.3	63.8	61.5	53.2	44.9	42.5	40.2
100°	16.5	16.5	23.6	35.5	33.1	27.2	34.3	34.3	20.1	10.6	7.1
102.5°	7.1	7.1	14.2	20.1	14.2	9.5	15.4	21.3	13.0	7.1	5.9
105°	7.1	7.1	8.3	10.6	5.9	4.7	5.9	10.6	5.9	5.9	5.9
107.5°	5.9	5.9	4.7	4.7	3.5	3.5	3.5	3.5	4.7	5.9	7.1
110°	5.9	4.7	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.9	5.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	4.7	3.5	2.4	2.4	2.4	3.5	2.4	2.4	2.4	3.5	3.5
115°	3.5	3.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5
117.5°	3.5	3.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5
120°	3.5	3.5	2.4	1.2	1.2	1.2	2.4	2.4	2.4	3.5	3.5
122.5°	3.5	3.5	2.4	1.2	1.2	1.2	1.2	1.2	2.4	3.5	3.5
125°	3.5	3.5	2.4	1.2	1.2	1.2	1.2	1.2	2.4	3.5	3.5
127.5°	3.5	2.4	2.4	1.2	1.2	1.2	1.2	1.2	2.4	3.5	3.5
130°	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4
132.5°	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4
135°	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4
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°	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4
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)