

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: P695032

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695032
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-PA16-40-727-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 4219 lumens
Efficiency: N/A
Efficacy: 105.0 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

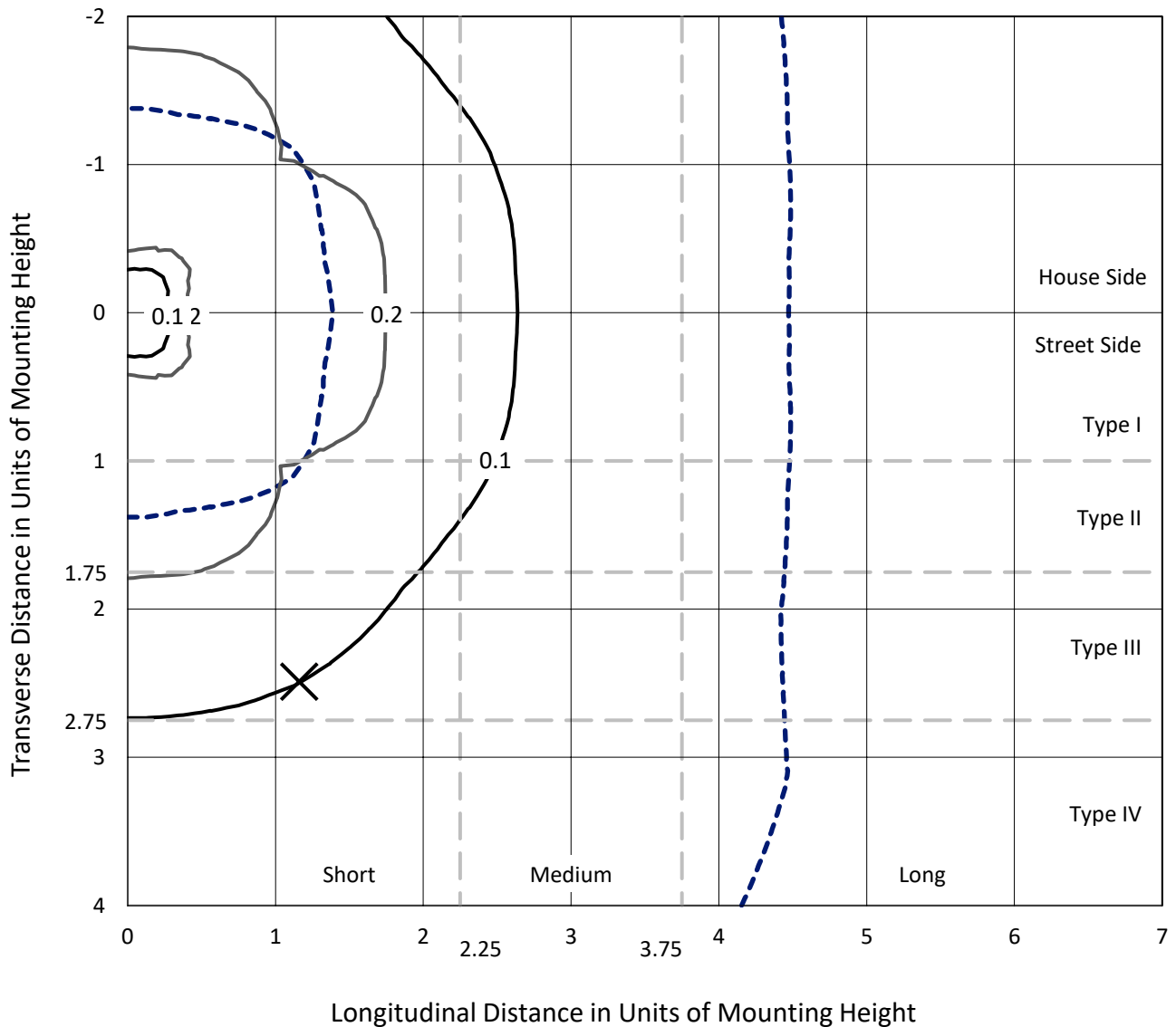
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

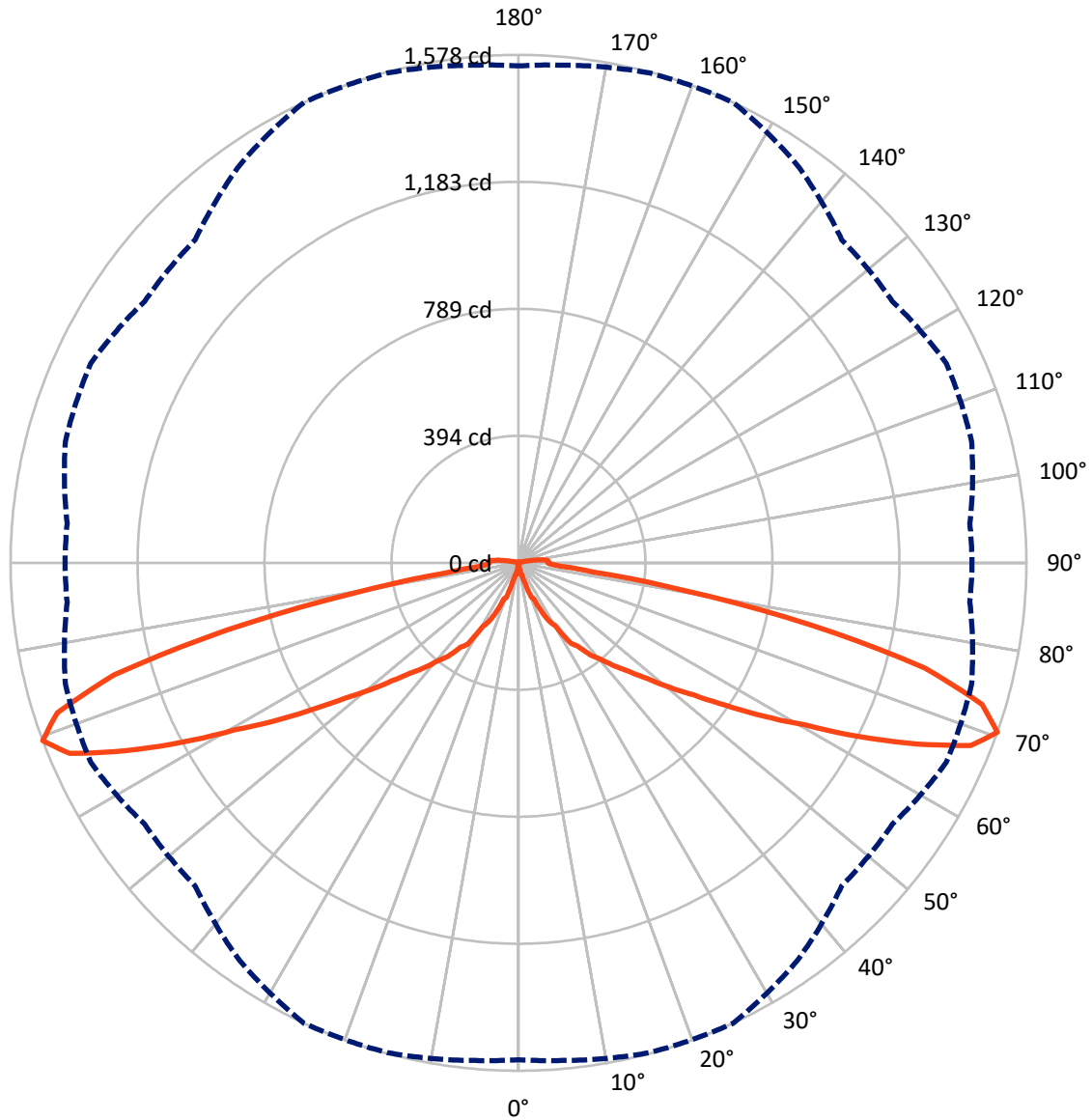
✕ Max cd
 - - - 1/2 Max cd



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 25-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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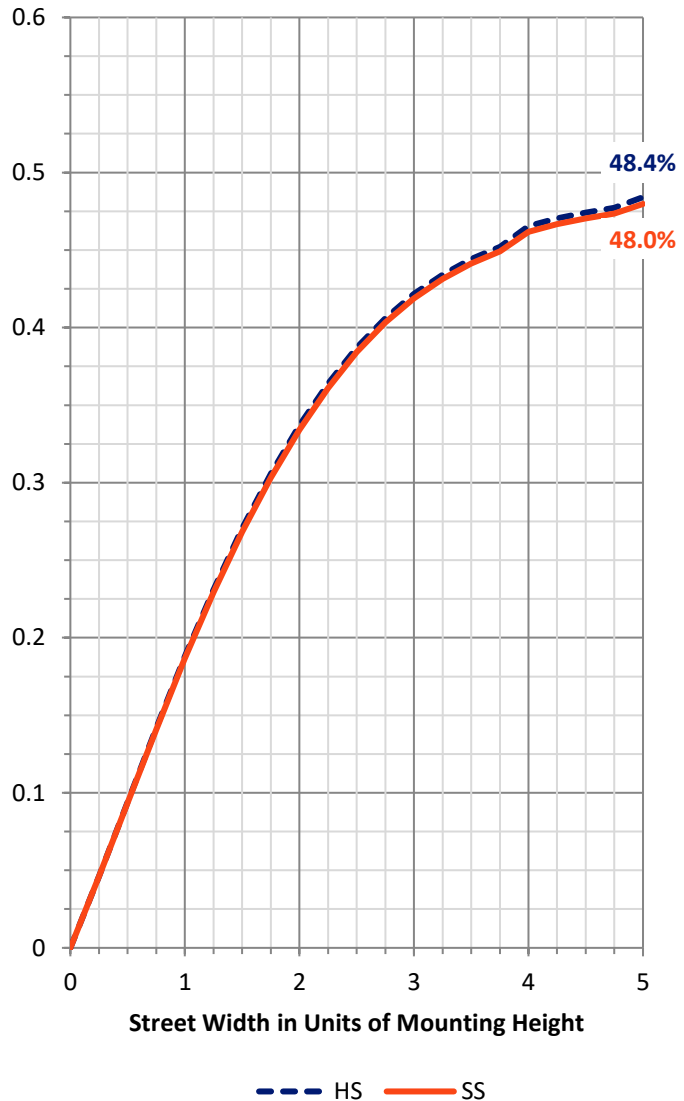
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2056.8	52.7	2109.5
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	2056.8	52.7	2109.5
	% Fixture	48.8	1.2	50.0
Total	Lumens	4113.6	105.5	4219.0
	% Fixture	97.5	2.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	16.0	0.4
20°-30°	84.4	2.0
30°-40°	212.1	5.0
40°-50°	386.5	9.2
50°-60°	704.6	16.7
60°-70°	1274.6	30.2
70°-80°	1213.9	28.8
80°-90°	221.1	5.2
90°-100°	85.6	2.0
100°-110°	12.5	0.3
110°-120°	3.2	0.1
120°-130°	2.0	0.0
130°-140°	1.2	0.0
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°	4113.6	97.5
0°-180°	4219.0	100.0

Coefficient of Utilization



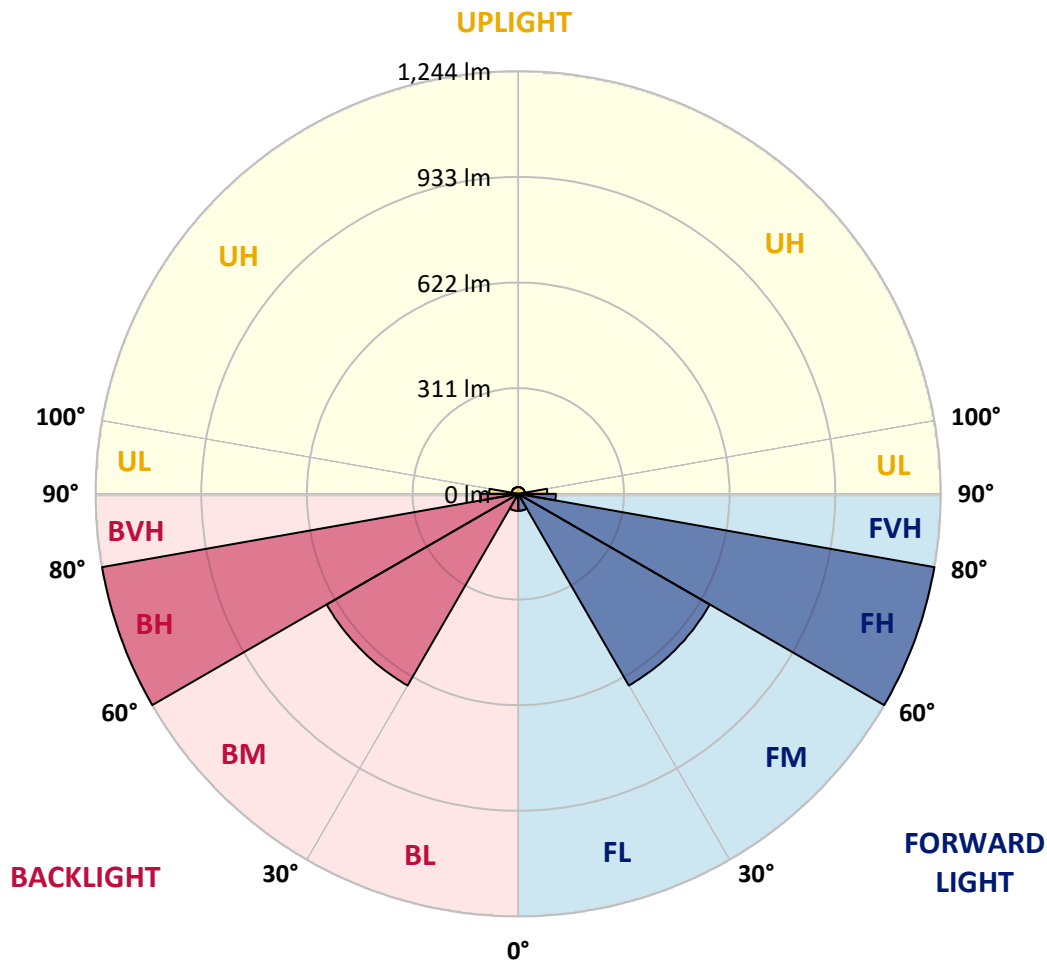
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	50.3	1.2			
FM (30°-60°)	651.6	15.4			
FH (60°-80°)	1244.3	29.5			G1/1800
FVH (80°-90°)	110.6	2.6			G2/225
BL (0°-30°)	50.3	1.2	B0/110		
BM (30°-60°)	651.6	15.4	B1/1000		
BH (60°-80°)	1244.3	29.5	B3/2500		G1/1800
BVH (80°-90°)	110.6	2.6			G2/225
UL (90°-100°)	85.6	2.0		U3/500	
UH (100°-180°)	19.9	0.5		U2/50	

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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
7.5°	2.7	2.7	2.7	1.4	2.7	1.4	2.7	1.4	1.4	2.7	2.7
10°	28.9	24.7	12.4	8.2	4.1	2.7	2.7	2.7	2.7	2.7	2.7
12.5°	38.5	38.5	37.1	35.7	30.2	8.2	4.1	8.2	13.7	28.9	31.6
15°	46.7	46.7	42.6	39.9	37.1	31.6	30.2	56.4	67.3	71.5	74.2
17.5°	114.1	114.1	104.5	66.0	42.6	59.1	81.1	74.2	78.3	79.7	81.1
20°	123.7	122.3	118.2	114.1	93.5	86.6	93.5	88.0	115.5	125.1	137.4
22.5°	162.2	152.6	134.7	121.0	130.6	116.8	108.6	149.8	159.4	166.3	167.7
25°	213.0	211.7	206.2	171.8	149.8	145.7	153.9	174.6	178.7	189.7	192.4
27.5°	226.8	228.2	217.2	206.2	199.3	181.4	191.0	213.0	247.4	261.1	262.5
30°	317.5	314.8	302.4	229.5	222.7	214.4	226.8	251.5	263.9	279.0	281.8
32.5°	332.6	328.5	324.4	298.3	248.8	244.7	259.8	272.1	332.6	373.9	375.2
35°	391.7	391.7	376.6	318.9	306.5	274.9	285.9	335.4	378.0	395.8	395.8
37.5°	423.3	420.6	408.2	362.9	320.2	306.5	324.4	358.7	401.3	423.3	423.3
40°	459.1	456.3	442.6	394.5	364.2	335.4	360.1	394.5	442.6	461.8	461.8
42.5°	501.7	498.9	483.8	438.5	397.2	371.1	391.7	441.2	483.8	496.2	501.7
45°	552.5	548.4	534.7	481.1	437.1	404.1	423.3	486.6	530.5	553.9	551.2
47.5°	611.6	606.1	591.0	537.4	489.3	446.7	470.1	545.7	596.5	611.6	615.8
50°	672.1	669.4	662.5	607.5	545.7	504.4	534.7	614.4	663.9	672.1	674.9
52.5°	739.5	732.6	734.0	681.7	622.6	578.6	614.4	674.9	739.5	738.1	736.7
55°	817.8	816.4	820.6	782.1	714.7	666.6	706.5	782.1	823.3	819.2	810.9
57.5°	909.9	909.9	920.9	898.9	834.3	784.8	810.9	892.0	915.4	900.3	896.1
60°	1030.8	1024.0	1043.2	1022.6	978.6	912.6	945.6	1015.7	1025.3	1006.1	1010.2
62.5°	1182.0	1179.3	1190.3	1188.9	1136.7	1059.7	1094.1	1157.3	1168.3	1151.8	1158.7
65°	1349.7	1347.0	1360.7	1356.6	1297.5	1215.0	1245.3	1315.4	1315.4	1283.7	1286.5
67.5°	1487.2	1487.2	1507.8	1514.7	1433.6	1329.1	1349.7	1430.8	1425.3	1385.5	1386.8
70°	1543.5	1551.8	1575.1	1577.9	1509.2	1419.8	1417.1	1466.5	1456.9	1407.4	1408.8
72.5°	1447.3	1451.4	1492.7	1506.4	1491.3	1451.4	1408.8	1377.2	1353.8	1319.5	1319.5
75°	1172.4	1169.7	1223.3	1303.0	1348.3	1388.2	1287.9	1197.2	1162.8	1132.6	1143.5
77.5°	745.0	732.6	793.1	929.1	1052.8	1169.7	1059.7	926.4	837.0	780.7	772.4
80°	328.5	335.4	384.8	525.0	691.4	819.2	738.1	542.9	420.6	342.2	318.9
82.5°	145.7	148.4	169.1	230.9	384.8	481.1	408.2	248.8	171.8	152.6	151.2
85°	100.3	105.8	103.1	126.5	178.7	215.8	188.3	125.1	104.5	99.0	94.8
87.5°	92.1	93.5	88.0	96.2	118.2	110.0	110.0	89.3	75.6	82.5	81.1
90°	96.2	97.6	88.0	90.7	108.6	97.6	101.7	83.8	78.3	88.0	86.6
92.5°	97.6	104.5	96.2	93.5	108.6	107.2	101.7	86.6	85.2	94.8	93.5
95°	86.6	96.2	86.6	88.0	100.3	101.7	96.2	85.2	88.0	94.8	97.6
97.5°	52.2	56.4	56.4	64.6	70.1	74.2	71.5	61.9	52.2	49.5	46.7
100°	19.2	19.2	27.5	41.2	38.5	31.6	39.9	39.9	23.4	12.4	8.2
102.5°	8.2	8.2	16.5	23.4	16.5	11.0	17.9	24.7	15.1	8.2	6.9
105°	8.2	8.2	9.6	12.4	6.9	5.5	6.9	12.4	6.9	6.9	6.9
107.5°	6.9	6.9	5.5	5.5	4.1	4.1	4.1	4.1	5.5	6.9	8.2
110°	6.9	5.5	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.9	6.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	5.5	4.1	2.7	2.7	2.7	4.1	2.7	2.7	2.7	4.1	4.1
115°	4.1	4.1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1	4.1
117.5°	4.1	4.1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1	4.1
120°	4.1	4.1	2.7	1.4	1.4	1.4	2.7	2.7	2.7	4.1	4.1
122.5°	4.1	4.1	2.7	1.4	1.4	1.4	1.4	1.4	2.7	4.1	4.1
125°	4.1	4.1	2.7	1.4	1.4	1.4	1.4	1.4	2.7	4.1	4.1
127.5°	4.1	2.7	2.7	1.4	1.4	1.4	1.4	1.4	2.7	4.1	4.1
130°	2.7	2.7	1.4	1.4	1.4	1.4	1.4	1.4	2.7	2.7	2.7
132.5°	2.7	2.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.7	2.7
135°	2.7	2.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.7	2.7
137.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
140°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
142.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
145°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
150°	2.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.7	2.7
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)