

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: P415648

Luminaire Tested: **LXF.LXT-PA1-50-827-U-5WQ-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415648  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-827-U-5WQ-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4742 lumens  
Efficiency: N/A  
Efficacy: 87.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B3 - U3 - G3

Input Watts (W): 54  
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: 28.75 FT

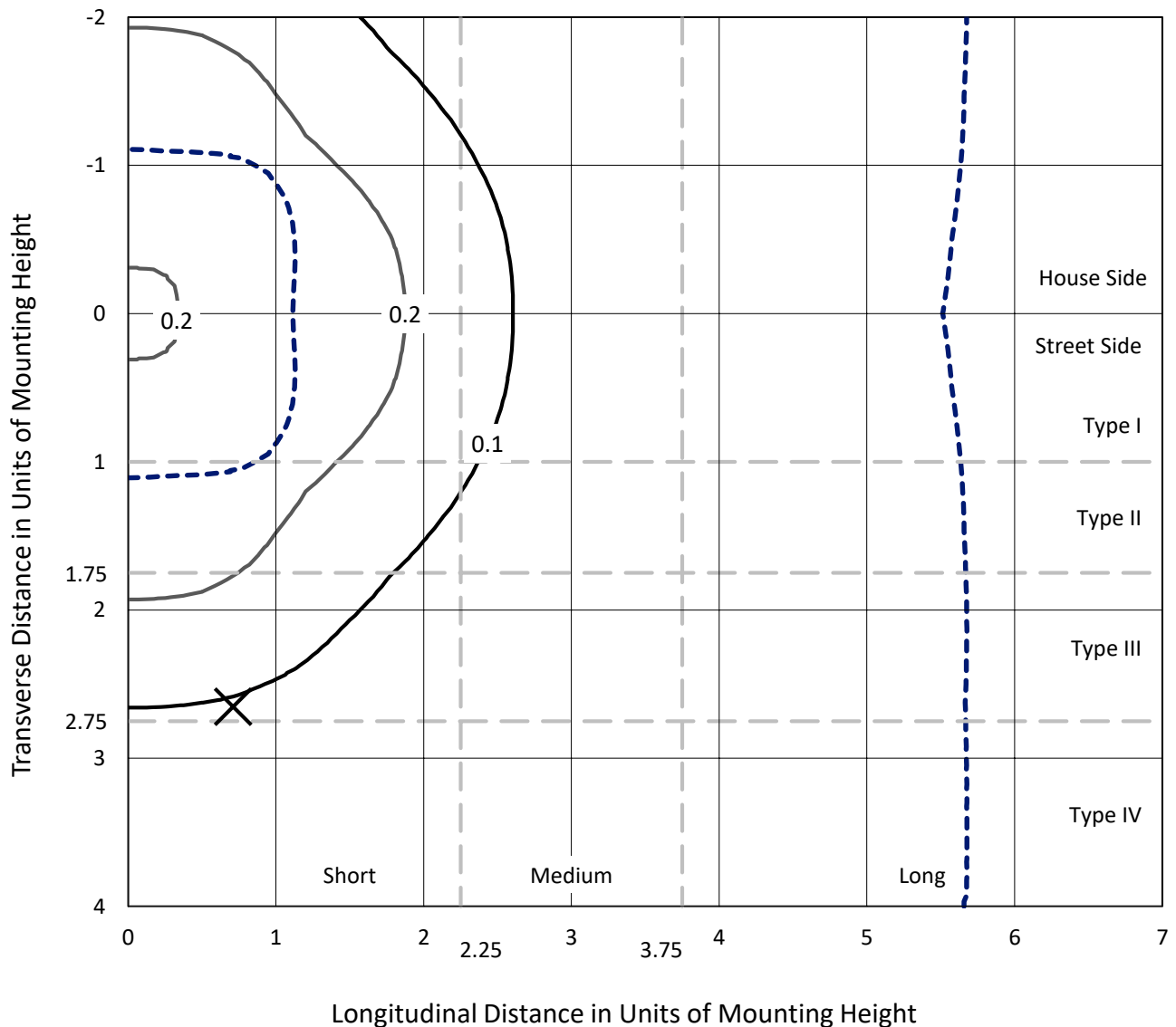


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### Iso-Footcandle Lines of Horizontal Illumination

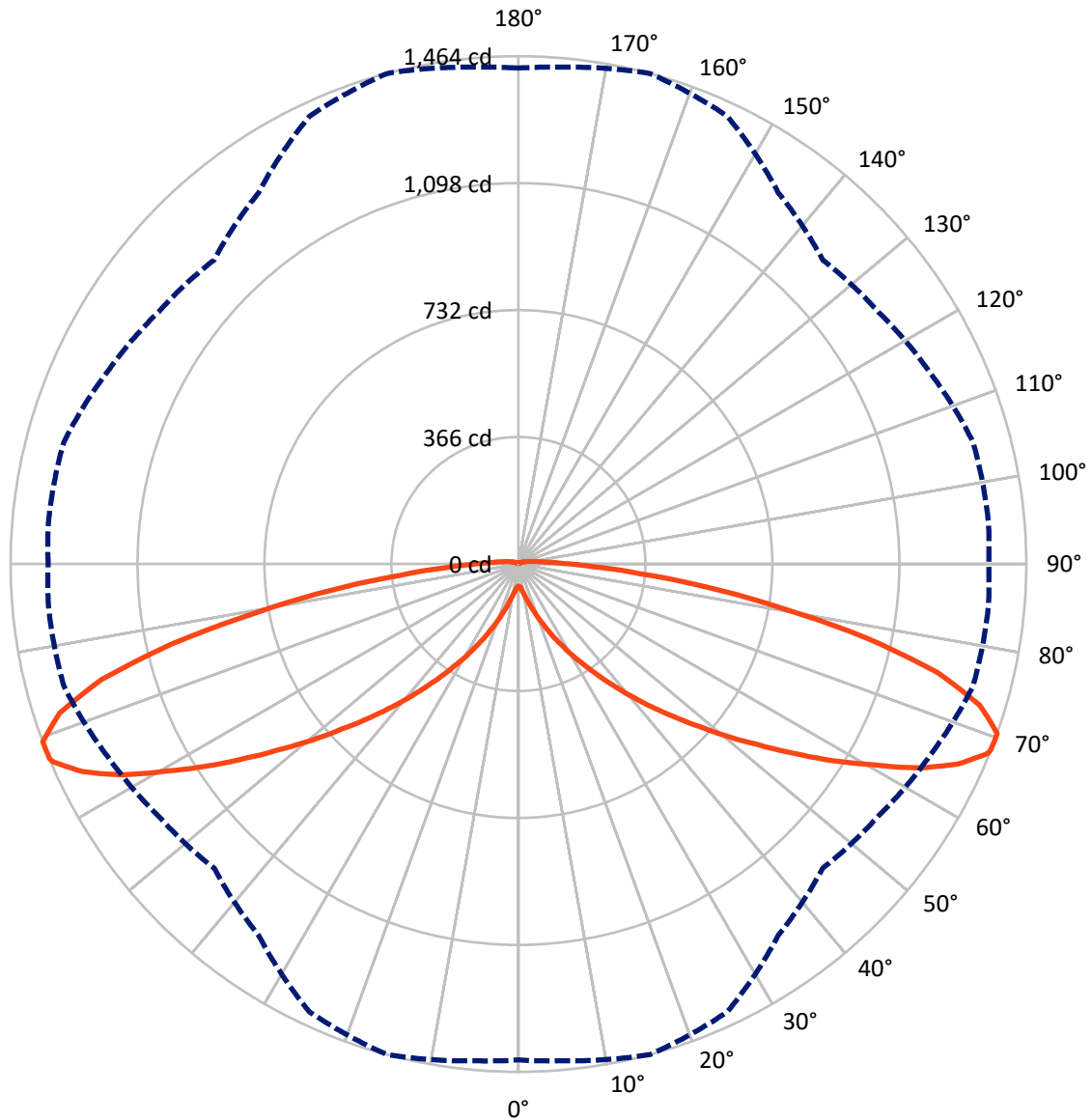
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2287.5	83.5	2371.0
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	2287.5	83.5	2371.0
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	4575.0	167.0	4742.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.1	0.1
10°-20°	34.2	0.7
20°-30°	103.0	2.2
30°-40°	236.8	5.0
40°-50°	455.3	9.6
50°-60°	805.1	17.0
60°-70°	1247.6	26.3
70°-80°	1210.8	25.5
80°-90°	475.0	10.0
90°-100°	102.2	2.2
100°-110°	34.9	0.7
110°-120°	15.3	0.3
120°-130°	7.7	0.2
130°-140°	4.2	0.1
140°-150°	2.0	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4575.0	96.5
0°-180°	4742.0	100.0



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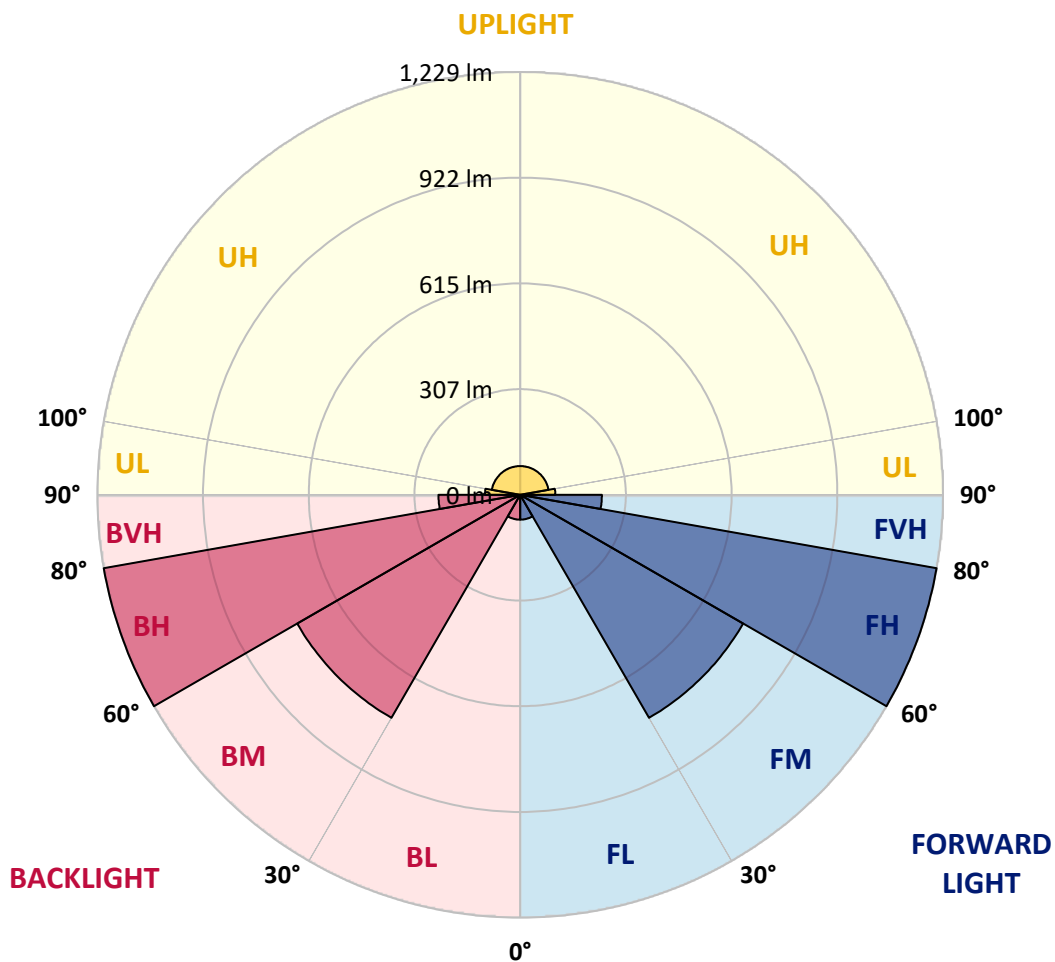
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	72.2	1.5			
FM	(30°-60°)	748.6	15.8			
FH	(60°-80°)	1229.2	25.9			G1/1800
FVH	(80°-90°)	237.5	5.0			G3/500
BL	(0°-30°)	72.2	1.5	B0/110		
BM	(30°-60°)	748.6	15.8	B1/1000		
BH	(60°-80°)	1229.2	25.9	B3/2500		G1/1800
BVH	(80°-90°)	237.5	5.0			G3/500
UL	(90°-100°)	102.2	2.2		U3/500	
UH	(100°-180°)	83.5	1.8		U3/500	

**BUG Rating: B3-U3-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
2.5°	64.9	64.9	64.9	65.4	65.4	65.9	65.4	64.9	64.9	64.4	64.4
5°	69.6	69.6	69.6	69.6	70.1	70.1	69.0	68.5	68.0	68.0	68.0
7.5°	76.8	76.8	77.3	76.8	76.8	76.3	75.3	74.2	74.2	73.7	73.7
10°	88.2	87.2	87.2	86.7	86.2	85.1	84.1	83.6	82.5	82.5	81.5
12.5°	103.8	103.3	101.7	100.2	98.1	96.5	95.5	95.0	95.0	95.0	96.0
15°	122.0	122.5	121.5	117.8	113.7	110.6	110.0	110.0	111.1	112.1	112.1
17.5°	145.9	144.8	142.2	138.1	132.9	129.8	127.7	129.2	131.8	133.4	134.4
20°	171.8	171.3	167.7	160.9	155.2	151.0	149.5	151.6	156.2	160.4	159.9
22.5°	201.9	201.4	195.7	186.9	179.1	174.4	172.8	177.0	186.9	192.1	193.1
25°	236.2	234.6	229.4	217.5	206.6	199.3	200.4	207.6	220.6	231.0	230.5
27.5°	275.1	273.0	263.2	249.7	235.1	227.9	229.9	241.9	259.5	271.5	273.0
30°	317.7	314.6	304.2	284.4	267.8	257.5	262.6	279.3	301.6	318.7	320.8
32.5°	358.7	362.3	344.7	324.9	302.1	288.6	295.3	318.2	345.7	369.6	371.7
35°	410.6	407.5	392.4	366.5	338.4	324.4	333.2	361.3	392.4	420.4	421.5
37.5°	466.1	463.0	443.3	411.6	378.9	362.3	373.7	403.8	443.8	471.8	478.1
40°	525.8	519.6	501.4	462.5	422.5	405.4	416.3	454.2	497.3	527.9	532.0
42.5°	584.5	580.8	562.2	517.5	471.8	450.0	466.1	503.5	553.3	583.4	588.6
45°	648.3	647.8	627.6	578.8	527.4	503.0	519.6	561.1	608.9	643.6	646.8
47.5°	715.8	716.3	698.7	649.9	587.6	560.1	576.2	622.9	678.9	710.1	713.2
50°	795.7	792.6	780.7	723.6	658.2	627.0	647.8	696.6	748.5	781.7	784.8
52.5°	879.8	879.8	865.8	813.4	737.1	704.9	722.5	772.4	830.5	860.6	866.8
55°	973.3	969.1	963.4	906.3	828.4	791.1	808.7	865.3	918.7	944.7	945.2
57.5°	1074.5	1070.3	1069.3	1017.9	929.1	880.3	900.6	954.0	1014.8	1031.9	1037.1
60°	1172.6	1179.8	1175.7	1130.5	1030.3	975.3	998.2	1054.2	1112.9	1128.5	1133.6
62.5°	1279.5	1283.1	1294.6	1239.5	1131.6	1072.9	1095.8	1145.6	1205.3	1218.3	1220.3
65°	1371.9	1375.5	1390.6	1338.7	1216.2	1154.4	1180.4	1232.8	1292.5	1303.9	1297.2
67.5°	1426.9	1435.2	1458.1	1408.7	1282.6	1214.6	1241.1	1290.4	1342.3	1352.7	1343.9
68°	1435.2	1442.0	1463.3	1418.6	1290.9	1221.9	1249.9	1298.7	1351.7	1360.0	1353.2
70°	1429.5	1437.3	1463.8	1424.3	1306.0	1240.1	1266.5	1308.1	1356.8	1360.0	1355.3
72.5°	1350.6	1364.6	1390.6	1376.6	1280.5	1220.8	1243.2	1268.6	1302.3	1301.8	1296.1
75°	1199.6	1193.3	1246.8	1253.5	1190.2	1156.0	1166.9	1167.4	1174.1	1164.8	1146.1
77.5°	959.2	973.8	1025.7	1070.8	1049.6	1036.1	1038.1	1007.5	994.0	954.0	941.6
80°	699.7	711.1	766.7	835.2	865.8	881.4	863.7	806.1	758.9	717.9	703.9
82.5°	477.5	481.7	547.1	613.0	674.3	693.0	677.4	599.0	533.6	490.0	470.8
85°	293.8	300.5	347.3	412.7	484.8	527.4	491.0	412.7	346.7	312.5	304.7
87.5°	172.8	183.2	214.4	263.7	332.7	369.1	340.5	272.5	219.6	194.7	185.3
90°	108.0	114.2	133.9	169.7	223.2	249.7	230.5	177.0	141.7	120.4	113.7
92.5°	75.3	77.3	90.8	113.7	152.1	170.3	154.2	121.5	97.1	81.0	78.4
95°	56.1	57.6	65.9	80.5	104.9	118.9	108.0	85.6	69.0	58.1	56.6
97.5°	44.1	45.2	51.9	61.2	76.8	86.7	79.9	65.4	53.5	44.6	43.1
100°	34.3	35.3	41.5	48.8	60.2	65.4	61.2	51.4	42.0	34.3	33.2
102.5°	27.0	27.5	33.2	40.0	48.3	51.9	48.8	41.5	33.2	26.5	26.0
105°	21.3	21.8	27.0	33.2	40.0	42.6	40.5	34.3	26.5	20.2	19.7
107.5°	16.6	17.1	21.3	27.5	33.2	35.3	33.2	28.0	20.8	16.1	15.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	13.5	13.5	17.6	22.8	28.0	29.6	28.0	22.8	16.6	13.0	12.5
112.5°	11.4	11.4	14.5	19.2	23.4	25.4	23.4	18.7	13.5	10.4	10.4
115°	9.3	9.9	11.9	16.1	19.7	21.3	19.7	15.6	11.4	8.8	8.8
117.5°	8.3	8.8	10.4	13.5	17.1	18.2	16.6	13.0	9.3	7.8	7.8
120°	7.8	7.8	8.8	11.4	14.5	15.6	14.0	11.4	8.3	7.3	7.3
122.5°	7.3	7.3	7.8	9.9	12.5	13.5	11.9	9.3	7.3	6.7	6.2
125°	6.7	6.7	7.3	8.8	10.9	11.4	10.4	8.3	6.2	5.7	5.7
127.5°	6.2	6.2	6.7	7.8	9.3	9.9	9.3	7.3	5.7	5.7	5.7
130°	5.7	5.7	6.2	6.7	8.3	8.8	7.8	6.2	5.2	5.2	5.2
132.5°	5.2	5.2	5.2	6.2	7.3	7.3	6.7	5.7	5.2	4.7	4.7
135°	5.2	5.2	5.2	5.2	6.2	6.7	5.7	5.2	4.7	4.7	4.7
137.5°	4.7	4.7	4.7	4.7	5.2	5.7	5.2	4.7	4.2	4.2	4.2
140°	4.2	4.2	4.2	4.2	4.7	4.7	4.7	3.6	3.6	3.6	3.6
142.5°	3.6	3.6	3.6	3.6	3.6	4.2	3.6	3.1	3.1	3.1	3.1
145°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
150°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
152.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
155°	1.0	1.0	1.0	1.0	1.6	1.0	1.6	1.0	1.0	1.0	1.0
157.5°	0.5	0.5	1.0	1.0	1.0	1.6	1.0	1.0	0.5	0.5	0.5
160°	0.0	0.5	0.5	0.5	1.0	1.0	1.0	0.5	0.5	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)