

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: P415386

Luminaire Tested: **LXF.LXT-PA1-50-727-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415386
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-16)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-727-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5296 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Medium - 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

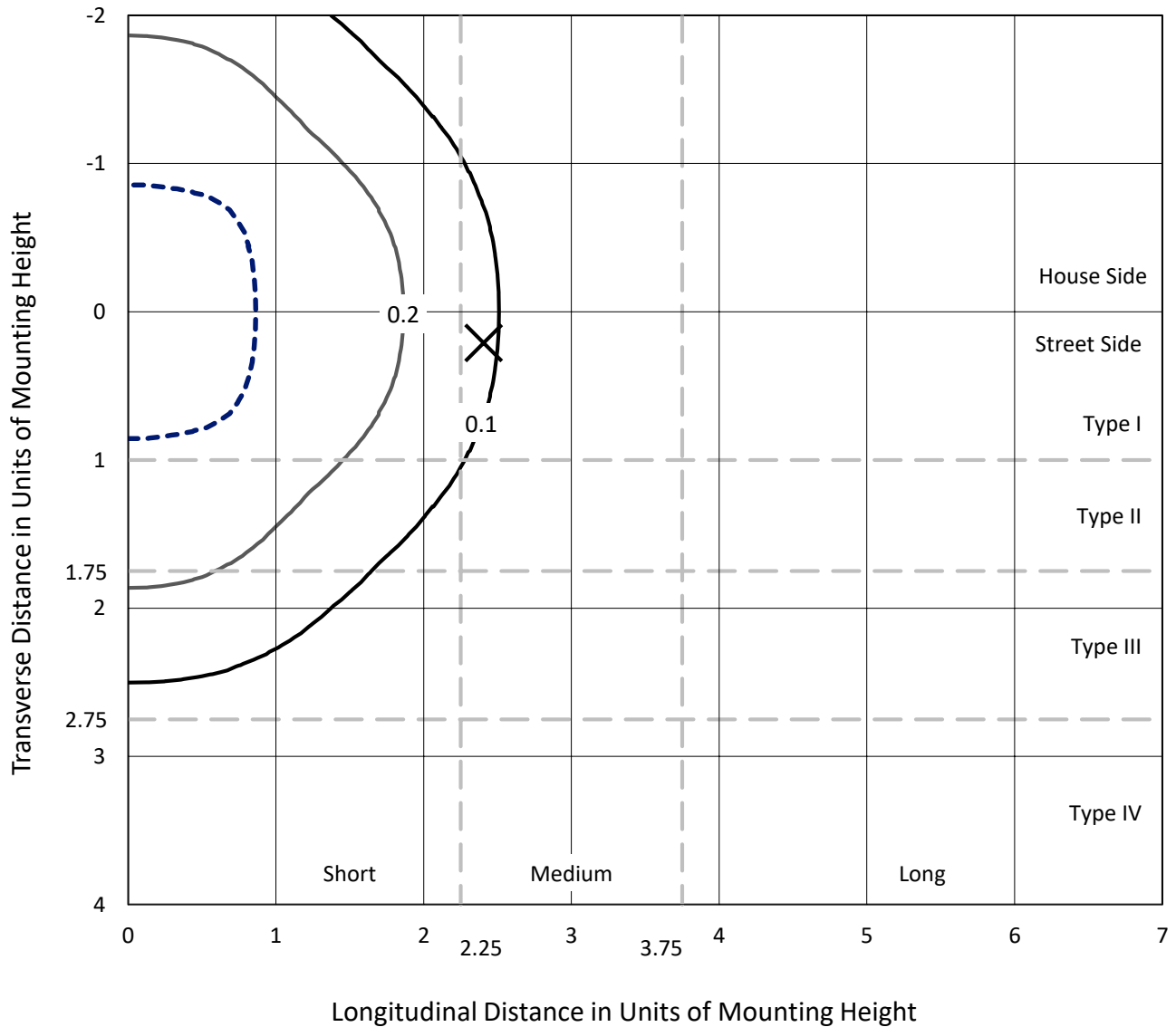


REPORT NUMBER: P415386

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-5WQ-FL

Iso-Footcandle Lines of Horizontal Illumination

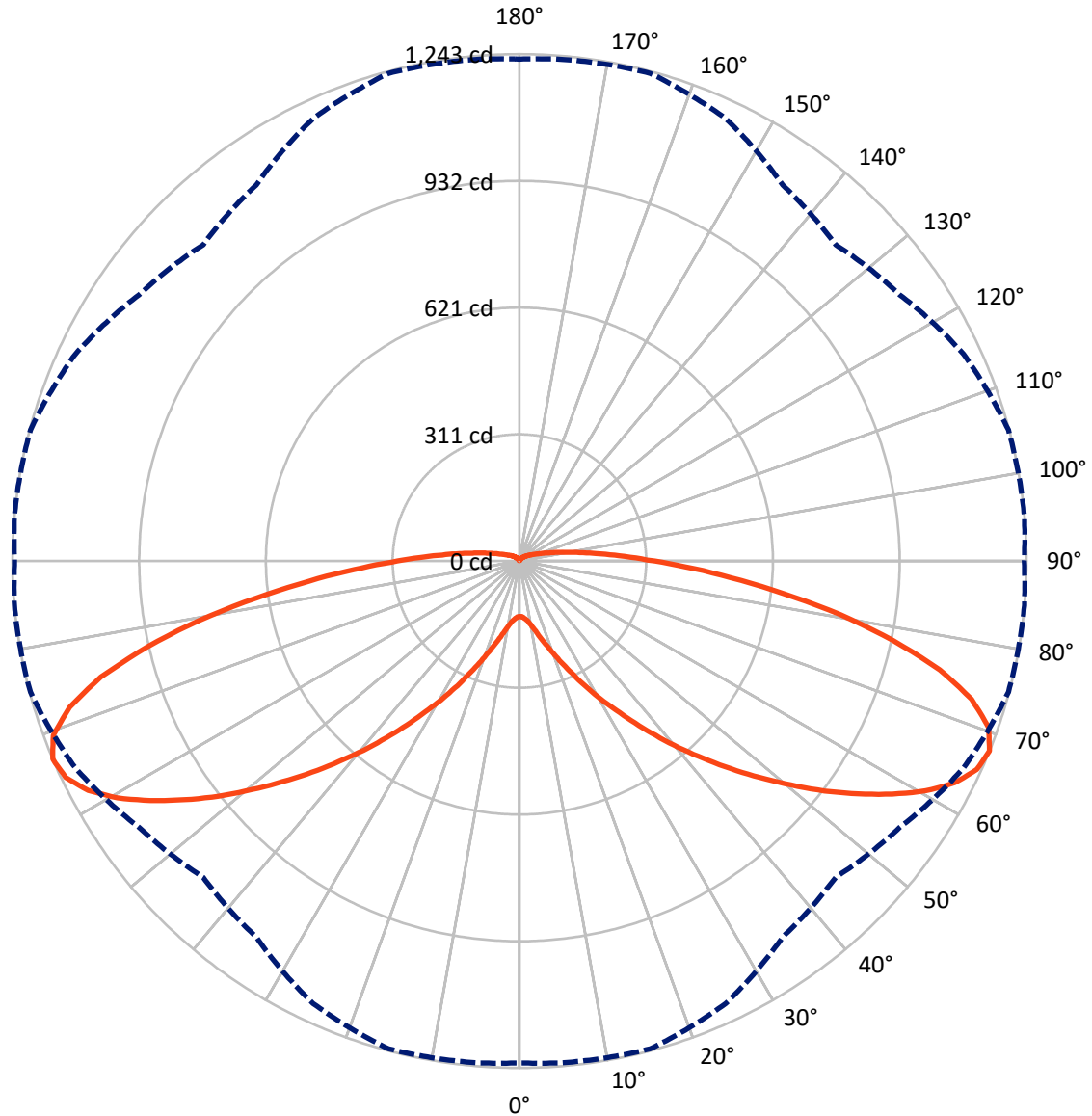
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P415386
CATALOG NUMBER: LXF.LXT-PA1-50-727-U-5WQ-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P415386

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-5WQ-FL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2401.5	246.5	2648.0
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	2401.5	246.5	2648.0
	% Fixture	45.3	4.7	50.0
Total	Lumens	4803.0	493.0	5296.0
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	0.3
10°-20°	57.6	1.1
20°-30°	145.6	2.7
30°-40°	299.6	5.7
40°-50°	538.6	10.2
50°-60°	861.0	16.3
60°-70°	1152.0	21.8
70°-80°	1091.6	20.6
80°-90°	642.9	12.1
90°-100°	277.7	5.2
100°-110°	118.3	2.2
110°-120°	54.5	1.0
120°-130°	26.0	0.5
130°-140°	11.7	0.2
140°-150°	4.0	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4803.0	90.7
0°-180°	5296.0	100.0



REPORT NUMBER: P415386

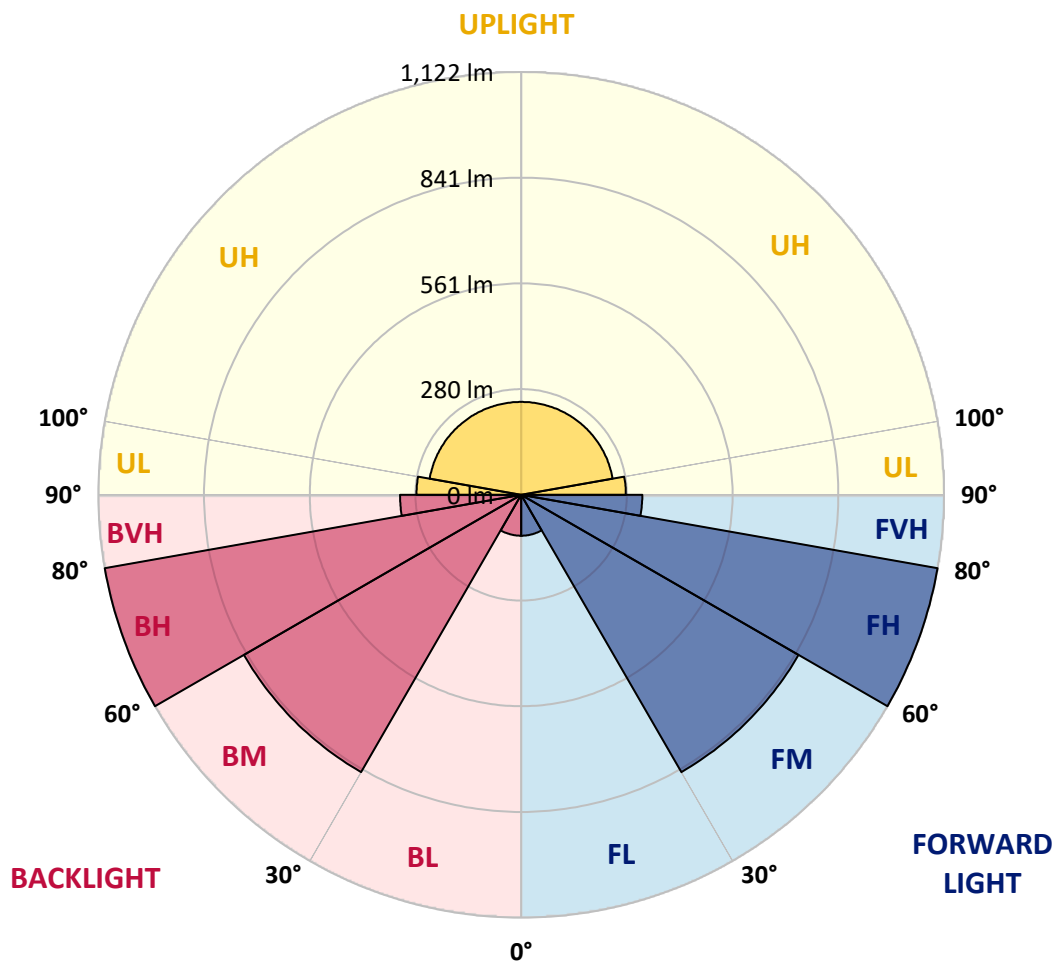
CATALOG NUMBER: LXF.LXT-PA1-50-727-U-5WQ-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	108.6	2.1			
FM	(30°-60°)	849.6	16.0			
FH	(60°-80°)	1121.8	21.2			G1/1800
FVH	(80°-90°)	321.5	6.1			G3/500
BL	(0°-30°)	108.6	2.1	B0/110		
BM	(30°-60°)	849.6	16.0	B1/1000		
BH	(60°-80°)	1121.8	21.2	B3/2500		G1/1800
BVH	(80°-90°)	321.5	6.1			G3/500
UL	(90°-100°)	277.7	5.2		U3/500	
UH	(100°-180°)	246.5	4.7		U3/500	

BUG Rating: B3-U3-G3

Type V Medium





REPORT NUMBER: P415386

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-5WQ-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	135.8	135.8	135.8	135.8	135.8	135.8	135.8	135.8	135.8	135.8	135.8
2.5°	137.0	136.4	137.0	137.0	137.6	137.6	137.6	137.6	137.0	137.0	137.0
5°	141.7	141.7	141.7	141.7	142.3	142.3	142.3	141.7	141.7	141.7	141.7
7.5°	150.6	150.0	150.6	150.0	150.0	149.4	150.0	149.4	148.8	148.8	148.8
10°	161.8	161.8	161.8	161.2	161.2	161.2	160.0	160.0	160.0	160.6	160.0
12.5°	180.1	178.9	178.9	176.6	175.4	174.8	174.2	174.2	176.0	176.0	174.8
15°	201.4	200.8	200.8	197.8	195.4	191.9	192.5	194.9	194.9	196.0	195.4
17.5°	226.7	226.2	224.4	221.4	218.5	216.1	214.9	216.1	217.3	217.9	218.5
20°	254.5	253.9	251.5	248.6	245.6	244.5	240.3	242.1	243.3	244.5	243.9
22.5°	284.0	284.0	281.7	277.5	274.6	272.2	270.4	268.7	272.8	275.2	275.8
25°	320.0	318.9	314.7	310.0	306.5	304.7	302.3	302.3	305.3	310.0	311.2
27.5°	357.8	356.6	350.7	345.4	340.7	336.6	335.4	337.2	342.5	349.6	349.6
30°	399.8	397.4	392.1	383.8	376.1	372.0	373.2	376.1	383.8	392.1	391.5
32.5°	445.8	441.7	435.8	426.3	415.1	409.2	411.0	419.2	426.9	435.8	437.0
35°	494.8	494.2	484.8	472.4	458.2	448.8	452.3	463.5	475.3	487.7	489.5
37.5°	545.0	546.8	535.6	522.0	501.3	490.1	497.8	513.7	528.5	542.1	543.2
40°	606.4	604.6	593.4	573.3	548.5	536.1	542.6	565.1	584.0	601.1	602.3
42.5°	669.6	664.9	655.4	631.2	598.1	586.9	596.4	621.8	647.2	661.3	661.9
45°	729.2	731.0	720.4	691.4	654.8	637.7	651.3	681.4	710.9	726.3	728.1
47.5°	804.2	799.5	790.1	752.9	711.5	694.4	709.7	746.4	778.8	793.0	792.4
50°	877.4	874.5	860.9	821.9	775.3	754.6	770.0	814.9	850.3	862.7	865.6
52.5°	947.1	945.9	934.1	891.0	840.8	815.4	836.7	883.3	924.1	936.5	937.7
55°	1018.6	1015.0	1006.2	961.3	904.0	875.7	902.2	954.2	996.1	1007.9	1008.5
57.5°	1082.3	1084.7	1077.6	1030.4	964.2	937.1	966.6	1024.5	1067.0	1078.2	1080.0
60°	1146.1	1146.7	1141.4	1095.3	1025.1	994.4	1028.6	1088.8	1134.3	1144.3	1144.9
62.5°	1196.3	1197.5	1193.3	1143.2	1072.9	1043.4	1081.2	1143.7	1190.4	1197.5	1196.9
65°	1227.0	1230.5	1228.2	1182.7	1107.7	1080.6	1120.1	1185.7	1228.2	1232.3	1230.5
67.5°	1230.5	1234.7	1238.2	1196.9	1125.4	1096.5	1138.4	1201.0	1241.2	1242.9	1237.6
70°	1204.6	1208.7	1217.0	1182.7	1116.6	1092.4	1132.5	1188.6	1222.3	1219.9	1214.0
72.5°	1137.8	1146.7	1159.1	1136.1	1080.6	1060.5	1100.1	1144.9	1168.0	1159.1	1150.8
75°	1042.2	1051.0	1074.7	1061.7	1019.2	1007.9	1037.5	1071.1	1077.6	1064.6	1053.4
77.5°	925.9	937.1	958.9	969.0	940.6	929.4	954.2	971.9	964.8	936.5	928.2
80°	790.1	807.8	830.8	846.7	839.7	836.1	848.5	846.7	820.8	798.3	784.1
82.5°	666.1	669.6	705.0	725.1	727.5	728.6	732.2	710.9	680.8	650.7	637.7
85°	544.4	545.6	575.1	604.1	615.3	618.8	612.3	584.0	552.7	519.0	510.2
87.5°	436.4	438.1	464.1	493.6	513.1	515.5	503.1	475.3	436.4	406.2	398.6
90°	344.8	350.7	376.7	400.9	421.6	425.1	407.4	377.9	341.9	313.0	308.2
92.5°	275.8	278.7	302.3	324.8	344.2	344.8	332.4	302.3	270.4	244.5	238.6
95°	221.4	223.8	242.7	263.4	279.3	282.8	268.7	242.1	212.6	190.1	189.0
97.5°	176.6	179.5	194.3	216.1	227.9	230.3	220.8	196.0	168.9	148.8	148.8
100°	141.7	143.5	156.5	174.8	187.2	189.5	180.1	158.2	134.6	116.9	115.7
102.5°	115.1	116.3	127.0	143.5	154.7	157.1	148.8	131.1	108.1	93.9	93.3
105°	94.5	95.1	103.3	118.7	129.3	131.1	123.4	108.1	87.4	75.6	75.0
107.5°	77.4	77.9	84.4	98.6	108.6	110.4	103.9	88.6	70.9	62.6	61.4
110°	65.0	65.5	70.3	81.5	91.5	93.9	87.4	73.8	58.5	51.4	51.4



REPORT NUMBER: P415386

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-5WQ-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	54.9	55.5	59.0	68.5	77.4	80.3	73.8	61.4	49.0	43.7	43.1
115°	46.6	47.2	49.6	57.9	65.0	67.3	62.6	51.4	41.3	37.2	37.2
117.5°	40.7	41.3	42.5	49.0	55.5	57.3	52.6	43.1	34.8	32.5	32.5
120°	36.0	36.0	36.6	41.3	46.6	48.4	44.3	36.6	30.1	28.3	28.3
122.5°	31.3	31.3	31.9	35.4	39.6	40.7	37.2	30.7	26.0	25.4	24.8
125°	27.8	27.8	27.8	30.1	33.7	34.2	31.3	26.0	23.0	22.4	22.4
127.5°	24.2	24.2	24.2	25.4	27.8	28.3	26.0	21.8	20.1	19.5	19.5
130°	21.3	21.3	21.3	21.8	23.0	23.6	21.3	18.9	17.7	17.7	17.7
132.5°	18.9	18.9	18.3	18.3	18.9	18.9	17.7	15.9	15.4	15.4	15.4
135°	16.5	16.5	15.9	15.4	15.4	14.8	13.6	13.0	13.6	13.6	13.6
137.5°	14.2	14.2	13.6	13.0	12.4	11.8	11.2	10.6	11.2	11.8	11.8
140°	11.8	11.8	11.2	10.0	9.4	8.9	8.3	8.9	9.4	10.0	10.0
142.5°	9.4	9.4	9.4	8.3	7.1	6.5	6.5	7.1	7.7	8.3	8.3
145°	7.7	7.7	7.1	6.5	5.3	4.7	4.7	5.3	6.5	6.5	6.5
147.5°	5.9	5.9	5.3	4.7	3.5	3.0	3.5	4.1	4.7	5.3	5.3
150°	4.1	4.1	4.1	3.5	2.4	2.4	2.4	3.0	3.5	3.5	3.5
152.5°	2.4	2.4	2.4	2.4	1.8	1.2	1.8	2.4	2.4	2.4	2.4
155°	1.8	1.8	1.8	1.8	1.2	1.2	1.2	1.8	1.8	1.8	1.8
157.5°	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
160°	0.0	0.0	0.6	0.6	1.2	1.2	1.2	1.2	0.6	0.6	0.6
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)