

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: P415854

Luminaire Tested: **LXF.LXT-PA1-60-730-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415854
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-PA1-60-730-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA 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: 6663 lumens
Efficiency: N/A
Efficacy: 104.1 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

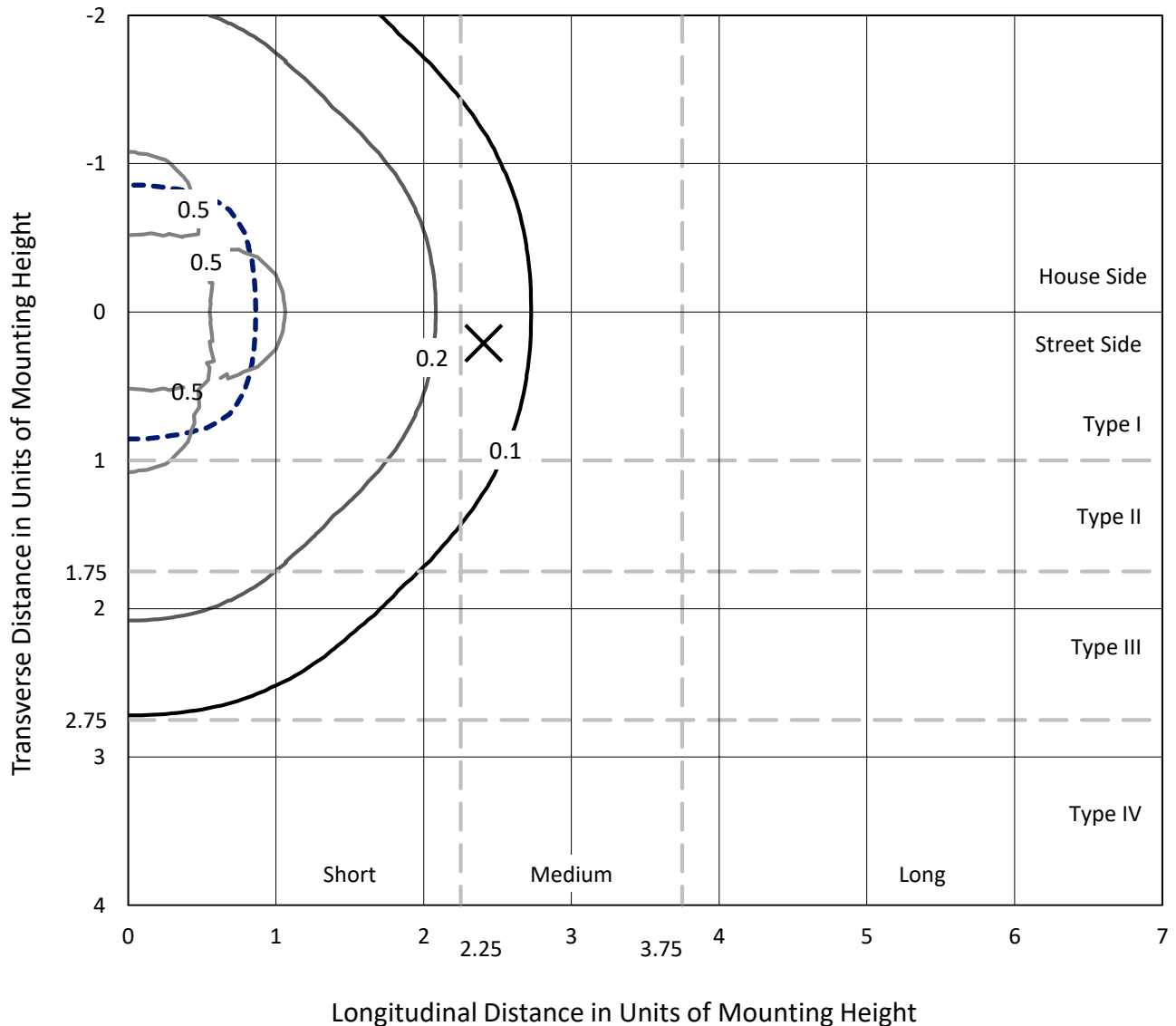
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

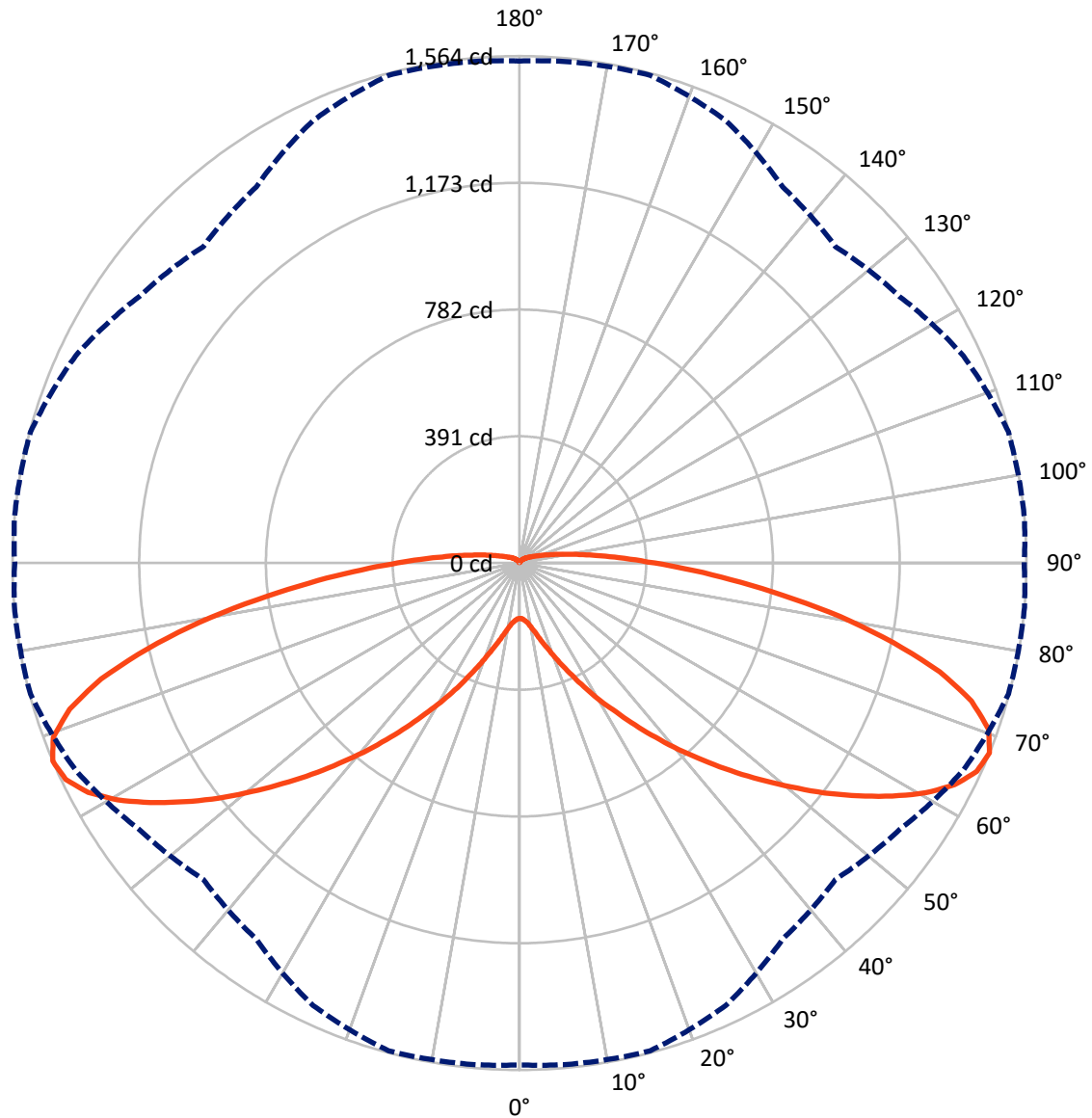
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3021.4	310.1	3331.5
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	3021.4	310.1	3331.5
	% Fixture	45.3	4.7	50.0
Total	Lumens	6042.7	620.3	6663.0
	% Fixture	90.7	9.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.8	0.3
10°-20°	72.4	1.1
20°-30°	183.2	2.7
30°-40°	376.9	5.7
40°-50°	677.6	10.2
50°-60°	1083.2	16.3
60°-70°	1449.3	21.8
70°-80°	1373.3	20.6
80°-90°	808.9	12.1
90°-100°	349.4	5.2
100°-110°	148.8	2.2
110°-120°	68.5	1.0
120°-130°	32.8	0.5
130°-140°	14.7	0.2
140°-150°	5.0	0.1
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6042.7	90.7
0°-180°	6663.0	100.0

Coefficient of Utilization



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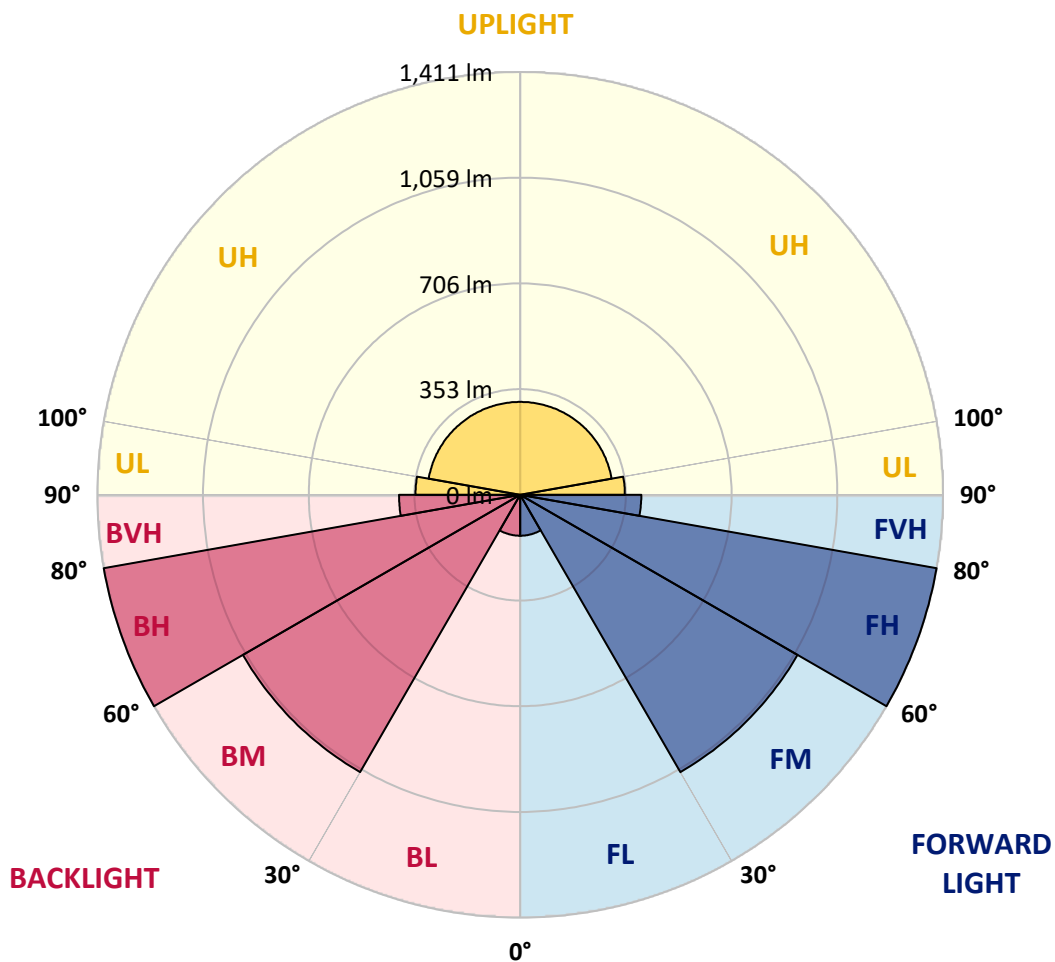
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	136.7	2.1			
FM (30°-60°)	1068.9	16.0			
FH (60°-80°)	1411.3	21.2			G1/1800
FVH (80°-90°)	404.4	6.1			G3/500
BL (0°-30°)	136.7	2.1	B1/500		
BM (30°-60°)	1068.9	16.0	B2/2500		
BH (60°-80°)	1411.3	21.2	B3/2500		G1/1800
BVH (80°-90°)	404.4	6.1			G3/500
UL (90°-100°)	349.4	5.2		U3/500	
UH (100°-180°)	310.1	4.7		U3/500	

BUG Rating: B3-U3-G3

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	170.9	170.9	170.9	170.9	170.9	170.9	170.9	170.9	170.9	170.9	170.9
2.5°	172.3	171.6	172.3	172.3	173.1	173.1	173.1	173.1	172.3	172.3	172.3
5°	178.3	178.3	178.3	178.3	179.0	179.0	179.0	178.3	178.3	178.3	178.3
7.5°	189.4	188.7	189.4	188.7	188.7	188.0	188.7	188.0	187.2	187.2	187.2
10°	203.6	203.6	203.6	202.8	202.8	202.8	201.3	201.3	201.3	202.1	201.3
12.5°	226.6	225.1	225.1	222.1	220.6	219.9	219.2	219.2	221.4	221.4	219.9
15°	253.3	252.6	252.6	248.9	245.9	241.4	242.2	245.2	245.2	246.6	245.9
17.5°	285.3	284.5	282.3	278.6	274.9	271.9	270.4	271.9	273.4	274.1	274.9
20°	320.2	319.4	316.5	312.8	309.0	307.6	302.4	304.6	306.1	307.6	306.8
22.5°	357.3	357.3	354.4	349.2	345.4	342.5	340.2	338.0	343.2	346.2	346.9
25°	402.6	401.2	396.0	390.0	385.6	383.3	380.4	380.4	384.1	390.0	391.5
27.5°	450.2	448.7	441.3	434.6	428.6	423.4	422.0	424.2	430.9	439.8	439.8
30°	502.9	500.0	493.3	482.9	473.2	468.0	469.5	473.2	482.9	493.3	492.5
32.5°	560.9	555.7	548.2	536.4	522.2	514.8	517.0	527.4	537.1	548.2	549.7
35°	622.5	621.8	609.9	594.3	576.5	564.6	569.1	583.2	598.0	613.6	615.9
37.5°	685.7	687.9	673.8	656.7	630.7	616.6	626.3	646.3	664.9	682.0	683.5
40°	762.9	760.7	746.6	721.3	690.1	674.5	682.7	710.9	734.7	756.3	757.7
42.5°	842.4	836.5	824.6	794.1	752.5	738.4	750.3	782.3	814.2	832.0	832.8
45°	917.5	919.7	906.3	869.9	823.9	802.3	819.4	857.3	894.4	913.7	916.0
47.5°	1011.8	1005.9	994.0	947.2	895.2	873.6	892.9	939.0	979.9	997.7	997.0
50°	1103.9	1100.2	1083.1	1034.1	975.4	949.4	968.7	1025.2	1069.8	1085.4	1089.1
52.5°	1191.6	1190.1	1175.2	1121.0	1057.9	1025.9	1052.7	1111.4	1162.6	1178.2	1179.7
55°	1281.5	1277.0	1265.9	1209.4	1137.4	1101.7	1135.1	1200.5	1253.2	1268.1	1268.8
57.5°	1361.7	1364.7	1355.8	1296.3	1213.1	1179.0	1216.1	1288.9	1342.4	1356.5	1358.7
60°	1441.9	1442.7	1436.0	1378.1	1289.6	1251.0	1294.1	1369.9	1427.1	1439.7	1440.5
62.5°	1505.1	1506.6	1501.4	1438.2	1349.8	1312.7	1360.2	1439.0	1497.7	1506.6	1505.8
65°	1543.7	1548.2	1545.2	1488.0	1393.7	1359.5	1409.3	1491.7	1545.2	1550.4	1548.2
67.5°	1548.2	1553.4	1557.8	1505.8	1415.9	1379.5	1432.3	1511.0	1561.5	1563.8	1557.1
70°	1515.5	1520.7	1531.1	1488.0	1404.8	1374.3	1424.9	1495.4	1537.8	1534.8	1527.4
72.5°	1431.5	1442.7	1458.3	1429.3	1359.5	1334.2	1384.0	1440.5	1469.4	1458.3	1447.9
75°	1311.2	1322.3	1352.1	1335.7	1282.2	1268.1	1305.2	1347.6	1355.8	1339.4	1325.3
77.5°	1164.8	1179.0	1206.4	1219.1	1183.4	1169.3	1200.5	1222.8	1213.9	1178.2	1167.8
80°	994.0	1016.3	1045.2	1065.3	1056.4	1051.9	1067.5	1065.3	1032.6	1004.4	986.6
82.5°	838.0	842.4	887.0	912.3	915.2	916.7	921.2	894.4	856.5	818.7	802.3
85°	684.9	686.4	723.6	760.0	774.1	778.5	770.4	734.7	695.3	653.0	641.9
87.5°	549.0	551.2	583.9	621.1	645.6	648.5	632.9	598.0	549.0	511.1	501.4
90°	433.8	441.3	474.0	504.4	530.4	534.9	512.6	475.4	430.1	393.7	387.8
92.5°	346.9	350.6	380.4	408.6	433.1	433.8	418.2	380.4	340.2	307.6	300.1
95°	278.6	281.6	305.3	331.3	351.4	355.8	338.0	304.6	267.4	239.2	237.7
97.5°	222.1	225.8	244.4	271.9	286.8	289.7	277.8	246.6	212.5	187.2	187.2
100°	178.3	180.5	196.9	219.9	235.5	238.5	226.6	199.1	169.4	147.1	145.6
102.5°	144.9	146.3	159.7	180.5	194.6	197.6	187.2	164.9	135.9	118.1	117.4
105°	118.9	119.6	130.0	149.3	162.7	164.9	155.3	135.9	109.9	95.1	94.3
107.5°	97.3	98.1	106.2	124.1	136.7	138.9	130.7	111.4	89.1	78.7	77.3
110°	81.7	82.5	88.4	102.5	115.1	118.1	109.9	92.9	73.5	64.6	64.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	69.1	69.8	74.3	86.2	97.3	101.0	92.9	77.3	61.7	55.0	54.2
115°	58.7	59.4	62.4	72.8	81.7	84.7	78.7	64.6	52.0	46.8	46.8
117.5°	51.3	52.0	53.5	61.7	69.8	72.1	66.1	54.2	43.8	40.9	40.9
120°	45.3	45.3	46.1	52.0	58.7	60.9	55.7	46.1	37.9	35.7	35.7
122.5°	39.4	39.4	40.1	44.6	49.8	51.3	46.8	38.6	32.7	31.9	31.2
125°	34.9	34.9	34.9	37.9	42.3	43.1	39.4	32.7	29.0	28.2	28.2
127.5°	30.5	30.5	30.5	31.9	34.9	35.7	32.7	27.5	25.3	24.5	24.5
130°	26.7	26.7	26.7	27.5	29.0	29.7	26.7	23.8	22.3	22.3	22.3
132.5°	23.8	23.8	23.0	23.0	23.8	23.8	22.3	20.1	19.3	19.3	19.3
135°	20.8	20.8	20.1	19.3	19.3	18.6	17.1	16.3	17.1	17.1	17.1
137.5°	17.8	17.8	17.1	16.3	15.6	14.9	14.1	13.4	14.1	14.9	14.9
140°	14.9	14.9	14.1	12.6	11.9	11.1	10.4	11.1	11.9	12.6	12.6
142.5°	11.9	11.9	11.9	10.4	8.9	8.2	8.2	8.9	9.7	10.4	10.4
145°	9.7	9.7	8.9	8.2	6.7	5.9	5.9	6.7	8.2	8.2	8.2
147.5°	7.4	7.4	6.7	5.9	4.5	3.7	4.5	5.2	5.9	6.7	6.7
150°	5.2	5.2	5.2	4.5	3.0	3.0	3.0	3.7	4.5	4.5	4.5
152.5°	3.0	3.0	3.0	3.0	2.2	1.5	2.2	3.0	3.0	3.0	3.0
155°	2.2	2.2	2.2	2.2	1.5	1.5	1.5	2.2	2.2	2.2	2.2
157.5°	0.7	0.7	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
160°	0.0	0.0	0.7	0.7	1.5	1.5	1.5	1.5	0.7	0.7	0.7
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)