

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: P413772

Luminaire Tested: **LXF.LXT-PA1-100-730-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-730-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9123 lumens
Efficiency: N/A
Efficacy: 95.0 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

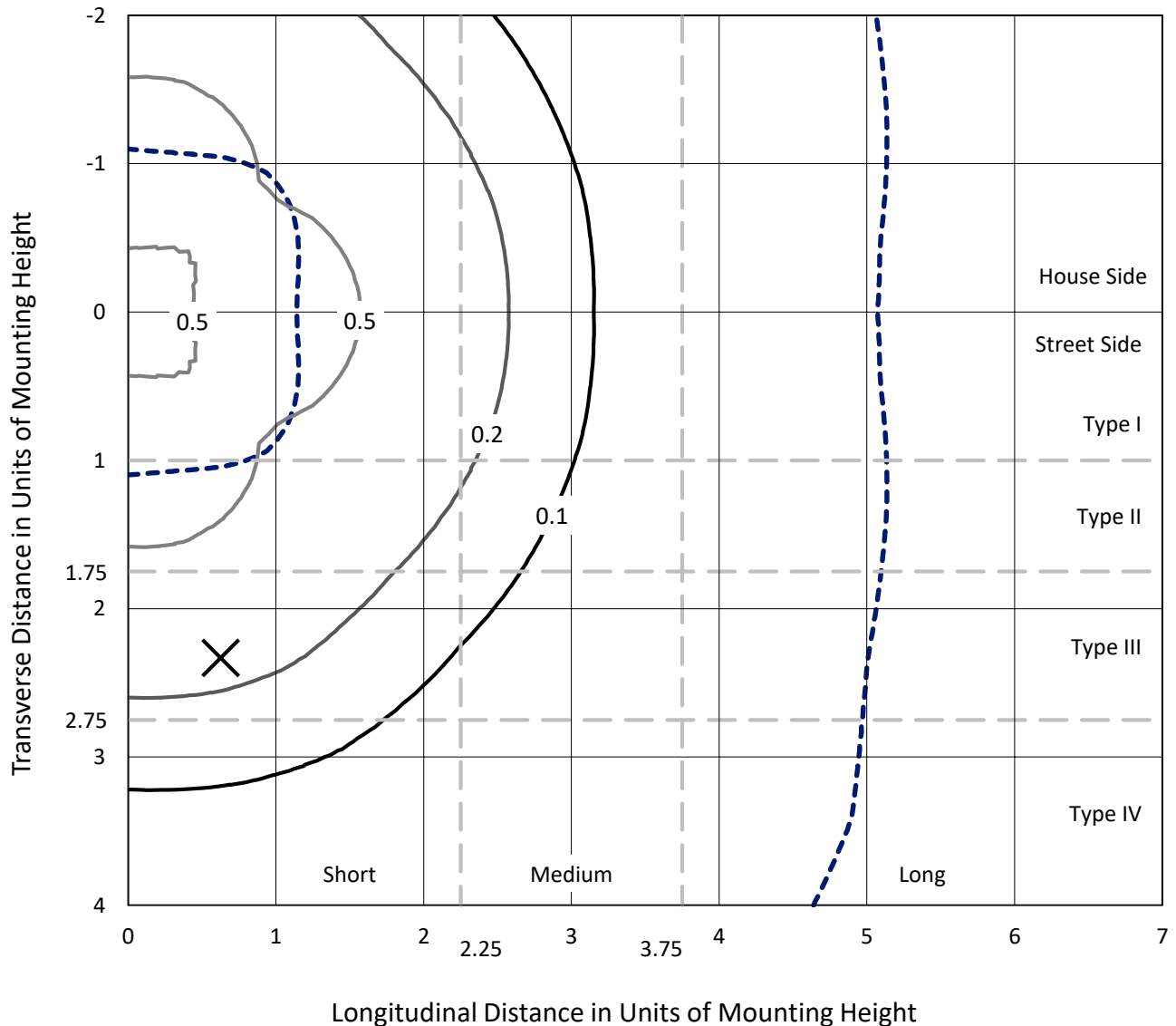
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

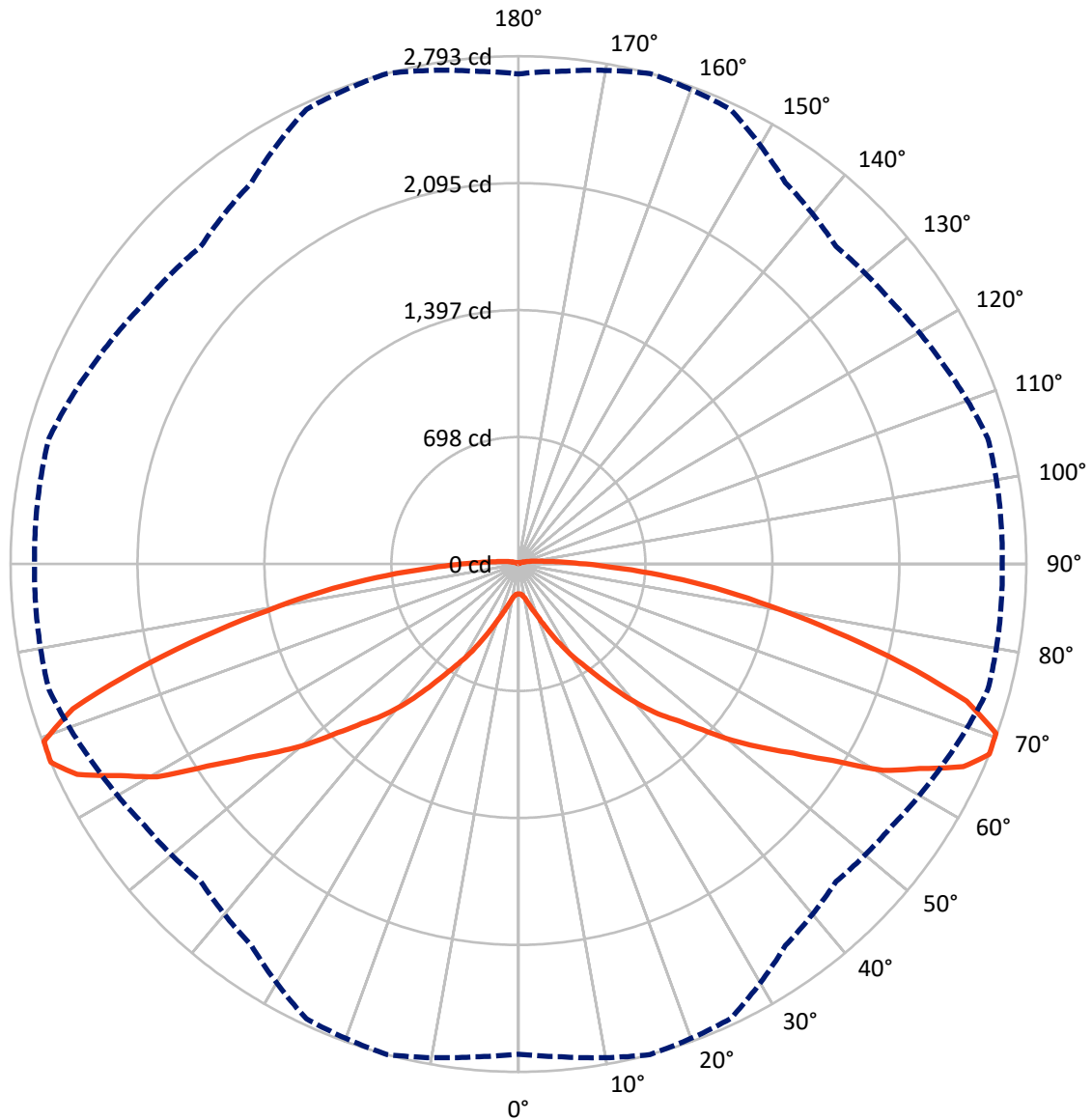
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4381.5	180.0	4561.5
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	4381.5	180.0	4561.5
	% Fixture	48.0	2.0	50.0
Total	Lumens	8763.0	360.0	9123.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.6	0.2
10°-20°	68.1	0.7
20°-30°	196.4	2.2
30°-40°	462.5	5.1
40°-50°	871.9	9.6
50°-60°	1555.0	17.0
60°-70°	2458.4	26.9
70°-80°	2165.9	23.7
80°-90°	968.1	10.6
90°-100°	240.4	2.6
100°-110°	66.2	0.7
110°-120°	26.6	0.3
120°-130°	14.1	0.2
130°-140°	8.2	0.1
140°-150°	3.5	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8763.0	96.1
0°-180°	9123.0	100.0



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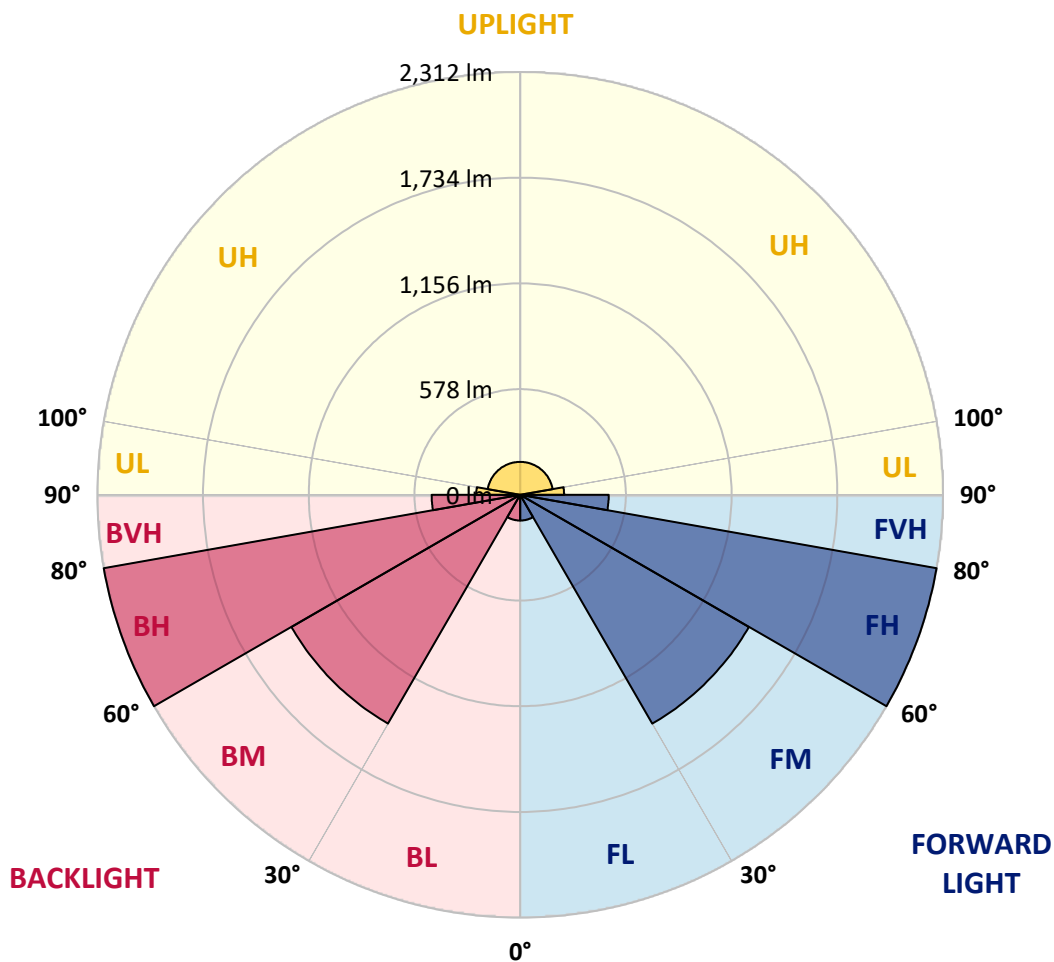
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	140.6	1.5			
FM	(30°-60°)	1444.7	15.8			
FH	(60°-80°)	2312.2	25.3			G2/5000
FVH	(80°-90°)	484.0	5.3			G3/500
BL	(0°-30°)	140.6	1.5	B1/500		
BM	(30°-60°)	1444.7	15.8	B2/2500		
BH	(60°-80°)	2312.2	25.3	B3/2500		G2/5000
BVH	(80°-90°)	484.0	5.3			G3/500
UL	(90°-100°)	240.4	2.6		U3/500	
UH	(100°-180°)	180.0	2.0		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°	164.1	164.1	164.1	164.1	164.1	164.1	164.1	164.1	164.1	164.1	164.1
2.5°	164.1	164.1	165.1	165.1	166.1	167.1	166.1	165.1	164.1	163.1	163.1
5°	169.0	169.0	169.0	169.0	170.0	170.0	169.0	167.1	166.1	165.1	165.1
7.5°	177.0	177.0	177.0	177.0	177.0	176.0	174.0	172.0	171.0	170.0	170.0
10°	189.9	189.9	187.9	187.9	186.9	185.9	184.0	182.0	180.0	181.0	181.0
12.5°	211.8	212.8	209.8	204.8	200.9	198.9	197.9	197.9	200.9	200.9	201.9
15°	243.6	243.6	238.6	231.7	223.7	217.8	219.8	224.7	229.7	232.7	232.7
17.5°	278.4	278.4	273.5	264.5	253.6	250.6	249.6	254.6	265.5	269.5	270.5
20°	322.2	322.2	313.2	300.3	290.4	286.4	286.4	294.3	306.3	315.2	314.2
22.5°	381.8	380.8	367.9	346.0	333.1	327.1	326.2	337.1	358.0	371.9	375.9
25°	453.4	452.4	435.5	406.7	386.8	370.9	374.9	393.8	425.6	447.5	447.5
27.5°	535.0	531.0	509.1	477.3	447.5	426.6	432.6	459.4	499.2	529.0	530.0
30°	614.5	614.5	590.7	552.9	513.1	487.2	494.2	532.0	579.7	626.5	627.4
32.5°	699.0	698.0	668.2	630.4	581.7	552.9	563.8	610.5	678.2	731.9	741.8
35°	807.4	808.4	766.7	715.0	653.3	621.5	636.4	697.1	777.6	842.2	848.2
37.5°	923.8	929.7	884.0	817.4	734.8	696.1	717.9	788.5	882.0	949.6	949.6
40°	1049.1	1052.0	1010.3	925.8	826.3	775.6	804.4	880.0	951.6	1009.3	1012.3
42.5°	1155.5	1158.4	1125.6	1043.1	931.7	871.1	888.0	945.6	1013.3	1077.9	1083.9
45°	1239.0	1248.9	1229.0	1158.4	1045.1	971.5	969.5	1028.2	1109.7	1177.3	1185.3
47.5°	1390.1	1395.1	1360.3	1276.8	1161.4	1080.9	1072.9	1131.6	1238.0	1310.6	1315.6
50°	1523.4	1538.3	1525.4	1435.9	1298.7	1201.2	1202.2	1279.8	1395.1	1468.7	1475.6
52.5°	1673.5	1680.5	1676.5	1599.9	1466.7	1351.4	1364.3	1451.8	1576.1	1621.8	1629.8
55°	1810.8	1821.7	1835.6	1778.9	1646.7	1545.3	1557.2	1650.7	1734.2	1777.9	1781.9
57.5°	2028.5	2039.5	2038.5	1954.9	1841.6	1743.1	1763.0	1836.6	1946.0	2020.6	2033.5
60°	2265.2	2281.1	2305.9	2197.6	2027.5	1958.9	1983.8	2090.2	2214.5	2225.4	2239.3
62.5°	2423.3	2431.2	2478.0	2442.2	2244.3	2161.8	2227.4	2317.9	2382.5	2392.5	2388.5
65°	2630.1	2656.0	2688.8	2606.2	2447.2	2333.8	2409.4	2477.0	2593.3	2603.3	2601.3
67.5°	2695.7	2720.6	2793.2	2759.4	2560.5	2470.0	2508.8	2583.4	2672.9	2664.9	2660.9
70°	2700.7	2724.6	2786.2	2768.3	2586.4	2461.1	2500.8	2529.7	2612.2	2613.2	2602.3
72.5°	2430.2	2472.0	2577.4	2609.2	2450.1	2321.9	2324.8	2323.8	2329.8	2264.2	2238.3
75°	2047.4	2077.2	2180.7	2257.2	2175.7	2065.3	2063.3	1979.8	1961.9	1912.2	1894.3
77.5°	1639.7	1676.5	1775.9	1859.5	1830.6	1771.0	1740.2	1645.7	1619.8	1563.2	1570.1
80°	1274.8	1303.6	1402.1	1510.5	1518.4	1476.6	1442.8	1365.3	1314.6	1266.8	1245.9
82.5°	981.4	1006.3	1090.8	1208.2	1256.9	1251.9	1204.2	1116.7	1070.9	1025.2	998.3
85°	678.2	700.0	783.6	925.8	1013.3	1044.1	990.4	880.0	798.5	733.8	718.9
87.5°	437.5	447.5	514.1	637.4	768.6	841.2	784.6	646.3	543.9	492.2	475.3
90°	273.5	288.4	336.1	412.7	540.9	633.4	575.7	435.5	362.0	309.2	298.3
92.5°	189.9	187.9	220.8	274.4	368.9	444.5	394.8	288.4	228.7	193.9	186.9
95°	125.3	130.3	148.2	182.0	249.6	296.3	260.5	191.9	150.2	125.3	122.3
97.5°	93.5	94.5	108.4	129.3	170.0	194.9	173.0	133.2	106.4	90.5	89.5
100°	73.6	74.6	84.5	96.5	119.3	135.2	121.3	100.4	82.5	70.6	70.6
102.5°	57.7	58.7	65.6	75.6	90.5	100.4	92.5	77.6	64.6	55.7	54.7
105°	45.7	45.7	51.7	59.7	70.6	77.6	72.6	60.7	49.7	43.8	43.8
107.5°	35.8	36.8	40.8	46.7	56.7	63.6	57.7	46.7	38.8	33.8	33.8
110°	28.8	28.8	31.8	37.8	45.7	51.7	46.7	37.8	30.8	27.8	27.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	23.9	23.9	25.9	30.8	37.8	42.8	37.8	30.8	24.9	22.9	22.9
115°	19.9	19.9	21.9	24.9	31.8	34.8	31.8	24.9	20.9	18.9	18.9
117.5°	17.9	17.9	18.9	21.9	26.8	28.8	26.8	20.9	17.9	16.9	16.9
120°	15.9	15.9	16.9	18.9	22.9	24.9	22.9	18.9	15.9	14.9	14.9
122.5°	14.9	14.9	14.9	16.9	20.9	21.9	19.9	16.9	13.9	13.9	13.9
125°	13.9	13.9	13.9	14.9	17.9	18.9	17.9	14.9	12.9	12.9	12.9
127.5°	12.9	12.9	12.9	13.9	15.9	16.9	15.9	13.9	11.9	11.9	11.9
130°	12.9	12.9	11.9	12.9	13.9	14.9	13.9	12.9	11.9	10.9	11.9
132.5°	11.9	11.9	11.9	11.9	12.9	12.9	12.9	11.9	10.9	10.9	10.9
135°	10.9	10.9	9.9	9.9	10.9	11.9	10.9	9.9	9.9	9.9	9.9
137.5°	9.9	8.9	8.9	8.9	9.9	9.9	9.9	8.9	8.9	8.9	8.9
140°	8.0	8.0	8.0	8.0	8.0	8.9	8.0	7.0	7.0	8.0	8.0
142.5°	7.0	7.0	7.0	6.0	7.0	7.0	7.0	6.0	6.0	6.0	6.0
145°	6.0	6.0	6.0	5.0	6.0	6.0	6.0	5.0	5.0	5.0	5.0
147.5°	4.0	5.0	4.0	4.0	5.0	5.0	4.0	4.0	4.0	4.0	4.0
150°	3.0	3.0	3.0	3.0	4.0	4.0	3.0	3.0	3.0	3.0	3.0
152.5°	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	2.0	2.0	2.0
155°	2.0	2.0	2.0	2.0	3.0	3.0	2.0	2.0	2.0	1.0	1.0
157.5°	1.0	1.0	1.0	1.0	2.0	3.0	2.0	1.0	1.0	1.0	1.0
160°	0.0	0.0	0.0	1.0	2.0	3.0	2.0	1.0	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)