

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: P691178

Luminaire Tested: **CRTK2-C013-D-U-T5R-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691178
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-21)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-D-U-T5R-7040-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3162.1 lumens
Efficiency: N/A
Efficacy: 155.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type V - Short
BUG Rating: B2 - U3 - G1

Input Watts (W): 20.4
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

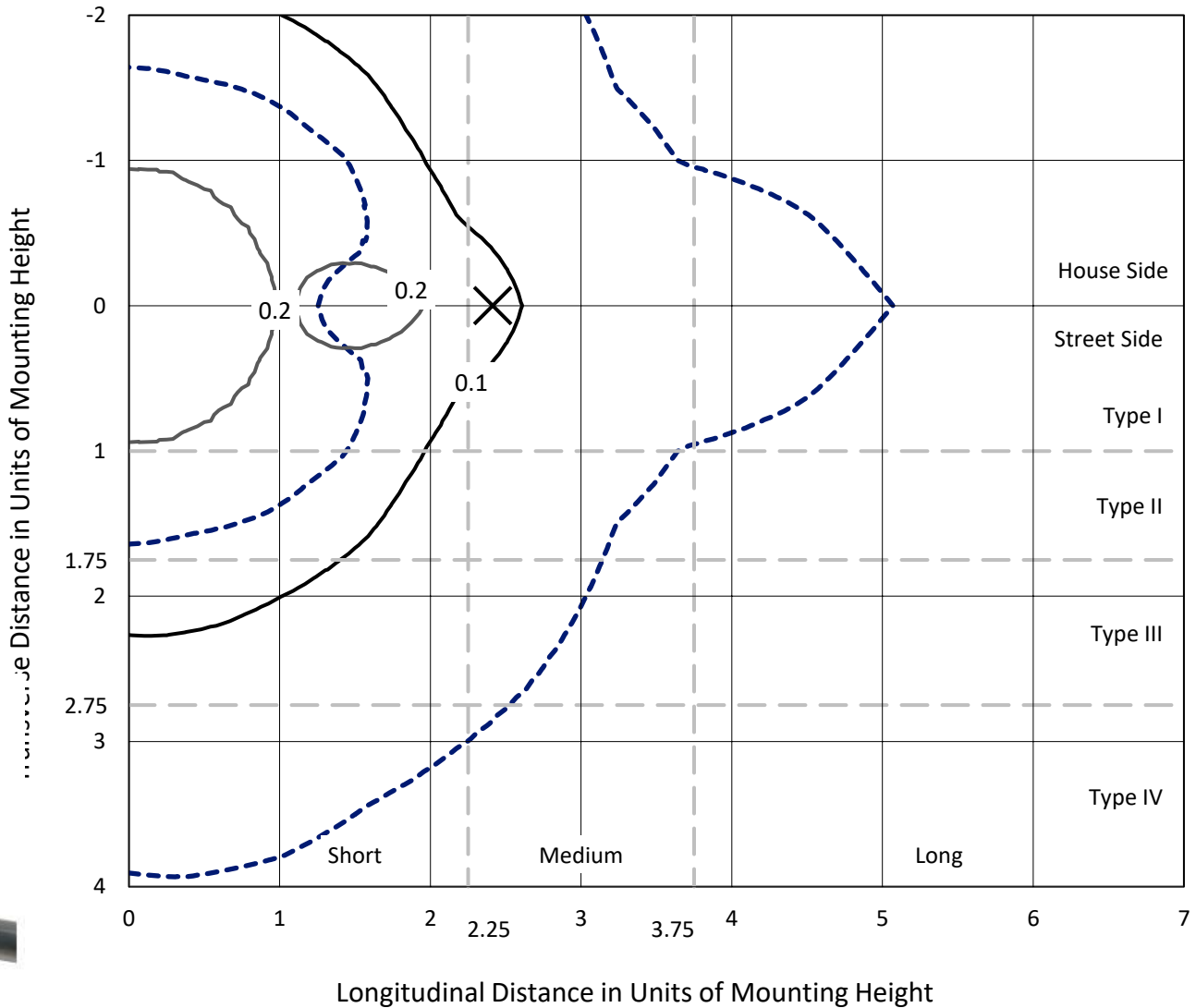


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

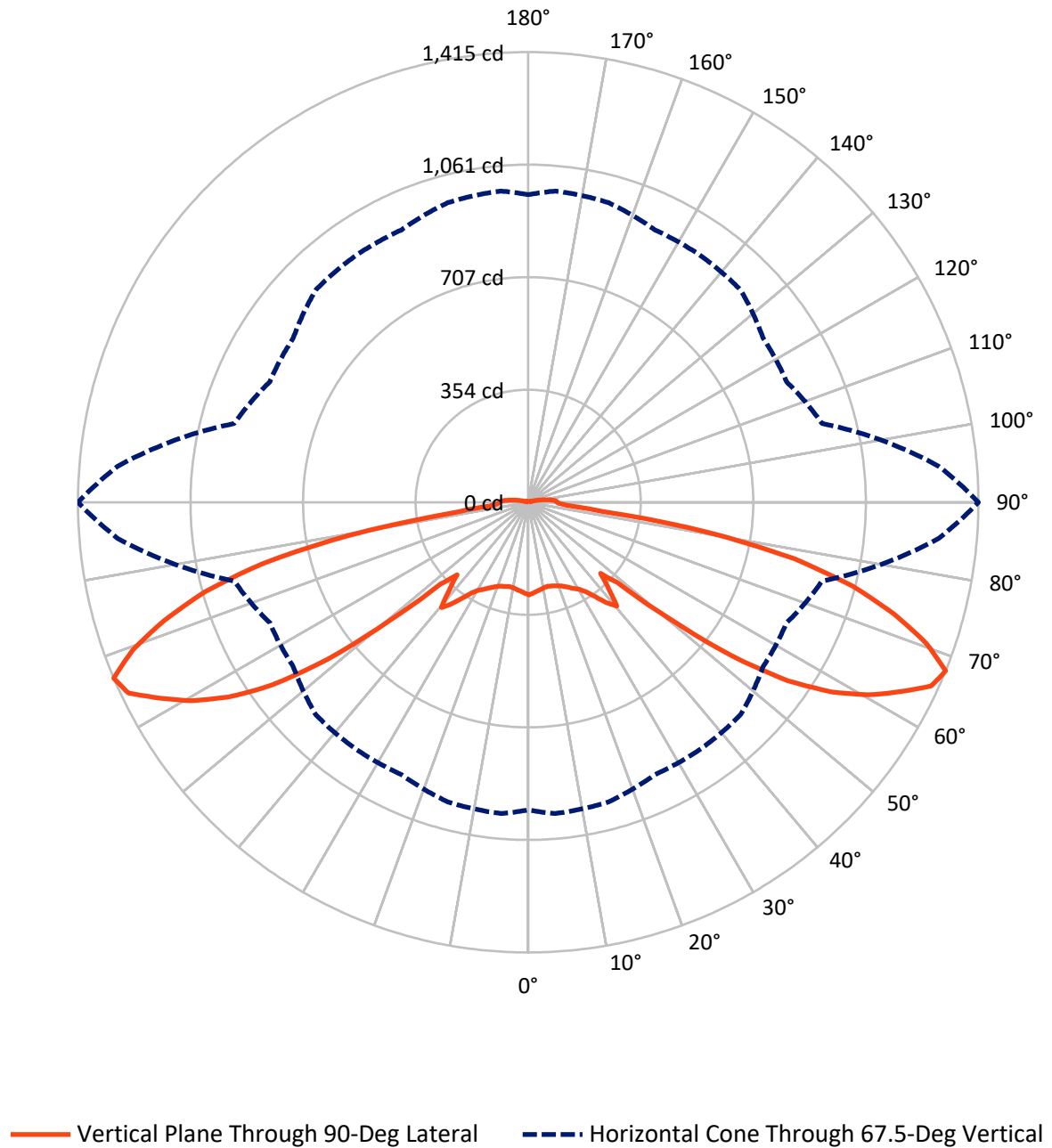


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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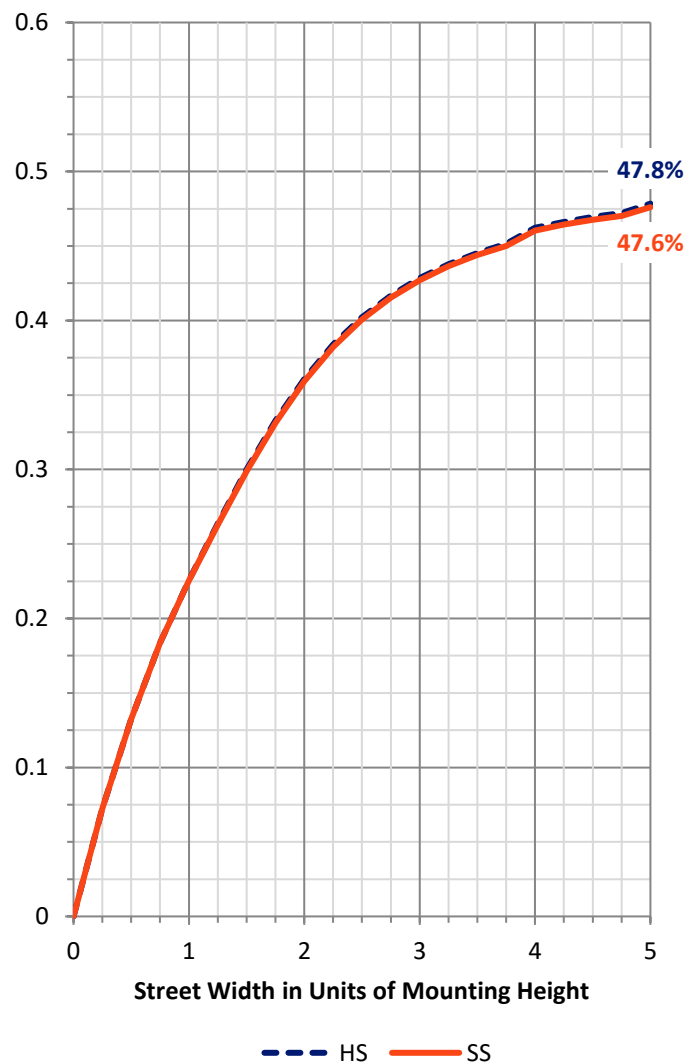
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1535.2	45.8	1581.0
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	1535.2	45.8	1581.0
	% Fixture	48.6	1.4	50.0
Total	Lumens	3070.5	91.6	3162.1
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.3	0.8
10°-20°	75.0	2.4
20°-30°	132.8	4.2
30°-40°	224.1	7.1
40°-50°	251.2	7.9
50°-60°	519.9	16.4
60°-70°	915.1	28.9
70°-80°	756.3	23.9
80°-90°	169.7	5.4
90°-100°	64.9	2.1
100°-110°	18.3	0.6
110°-120°	5.6	0.2
120°-130°	2.6	0.1
130°-140°	0.2	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3070.5	97.1
0°-180°	3162.1	100.0

Coefficient of Utilization



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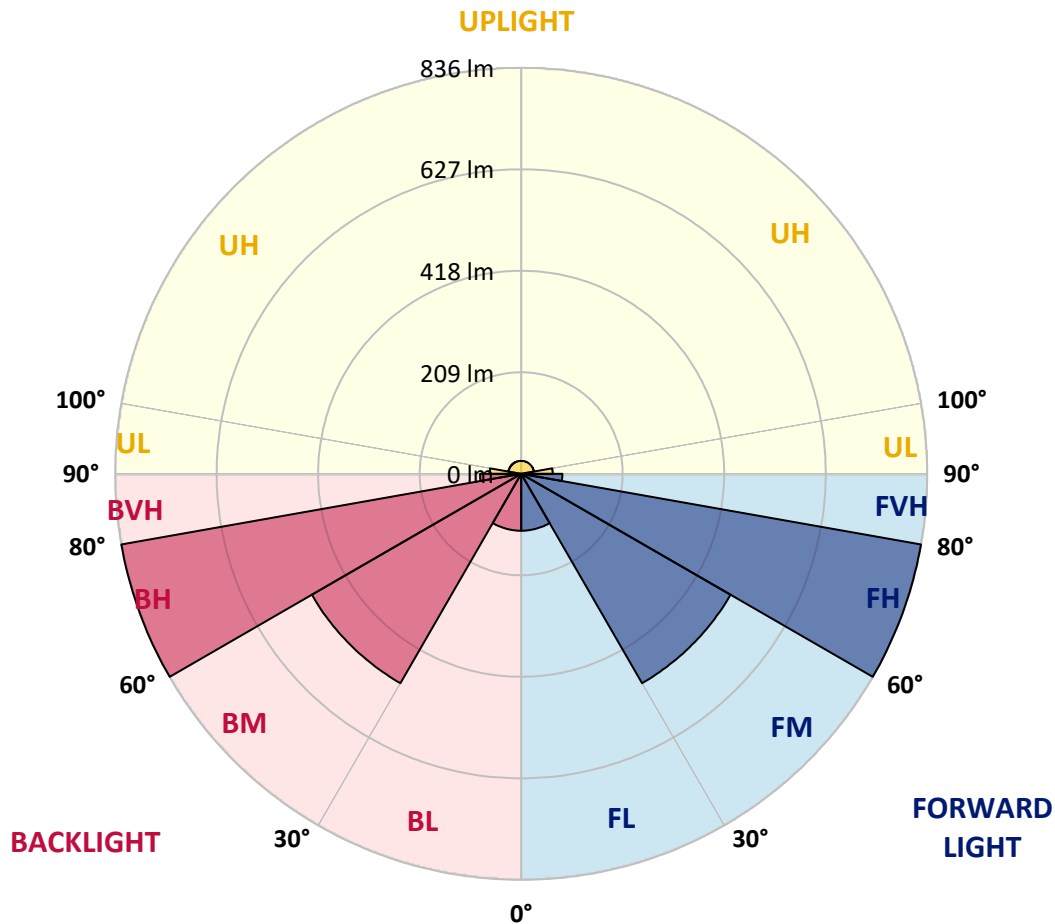
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	117.1	3.7			
FM	(30°-60°)	497.6	15.7			
FH	(60°-80°)	835.7	26.4			G1/1800
FVH	(80°-90°)	84.8	2.7			G1/100
BL	(0°-30°)	117.1	3.7	B1/500		
BM	(30°-60°)	497.6	15.7	B1/1000		
BH	(60°-80°)	835.7	26.4	B2/1000		G1/1800
BVH	(80°-90°)	84.8	2.7			G1/100
UL	(90°-100°)	64.9	2.1		U3/500	
UH	(100°-180°)	26.7	0.8		U2/50	

BUG Rating: B2-U3-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0	291.0
2.5°	288.0	288.0	286.0	285.0	286.0	287.0	288.0	288.0	287.0	286.0	286.0
5°	283.0	282.0	281.0	280.0	280.0	282.0	282.0	283.0	282.0	281.0	281.0
7.5°	270.0	270.0	269.0	268.0	270.0	272.0	275.0	276.0	277.0	277.0	277.0
10°	261.0	261.0	260.0	260.0	262.0	265.0	268.0	271.0	272.0	273.0	273.0
12.5°	256.0	256.0	256.0	255.0	258.0	261.0	266.0	268.0	270.0	271.0	271.0
15°	256.0	255.0	255.0	256.0	258.0	262.0	266.0	270.0	272.0	273.0	273.0
17.5°	258.0	257.0	257.0	257.0	260.0	264.0	269.0	272.0	275.0	276.0	276.0
20°	261.0	261.0	261.0	261.0	263.0	268.0	273.0	276.0	279.0	280.0	280.0
22.5°	269.0	269.0	268.0	267.0	269.0	273.0	279.0	282.0	285.0	287.0	287.0
25°	279.0	278.0	278.0	277.0	277.0	281.0	286.0	290.0	294.0	296.0	296.0
27.5°	291.0	290.0	290.0	288.0	288.0	293.0	297.0	301.0	305.0	307.0	307.0
30°	304.0	305.0	303.0	302.0	301.0	305.0	309.0	312.0	315.0	317.0	317.0
32.5°	325.0	325.0	323.0	322.0	321.0	324.0	326.0	328.0	331.0	335.0	336.0
35°	351.0	350.0	350.0	350.0	350.0	352.0	354.0	353.0	359.0	363.0	365.0
37.5°	385.0	386.0	384.0	382.0	381.0	383.0	385.0	388.0	394.0	399.0	400.0
40°	379.0	377.0	379.0	383.0	384.0	393.0	402.0	409.0	419.0	427.9	428.9
42.5°	340.0	343.0	346.0	346.0	345.0	345.0	346.0	347.0	357.0	370.0	370.0
45°	279.0	281.0	285.0	283.0	274.0	270.0	272.0	275.0	286.0	318.0	319.0
47.5°	296.0	300.0	304.0	292.0	281.0	264.0	262.0	260.0	273.0	362.0	377.0
50°	349.0	349.0	354.0	344.0	340.0	330.0	324.0	326.0	354.0	538.9	571.9
52.5°	453.9	451.9	463.9	451.9	447.9	426.9	404.0	416.0	444.9	736.9	804.9
55°	550.9	552.9	564.9	552.9	541.9	522.9	491.9	512.9	551.9	892.9	989.9
57.5°	655.9	658.9	672.9	649.9	627.9	617.9	588.9	610.9	653.9	993.9	1123.9
60°	764.9	767.9	774.9	745.9	725.9	720.9	687.9	711.9	763.9	1082.9	1228.9
62.5°	868.9	871.9	867.9	839.9	827.9	828.9	796.9	813.9	869.9	1186.9	1310.8
65°	934.9	947.9	944.9	913.9	909.9	913.9	879.9	881.9	939.9	1267.8	1391.8
67.5°	966.9	981.9	974.9	943.9	945.9	943.9	900.9	895.9	955.9	1295.8	1414.8
70°	934.9	934.9	929.9	902.9	901.9	893.9	861.9	853.9	900.9	1218.9	1326.8
72.5°	856.9	856.9	852.9	821.9	815.9	809.9	790.9	776.9	817.9	1094.9	1202.9
75°	743.9	752.9	747.9	716.9	709.9	705.9	692.9	678.9	715.9	962.9	1053.9
77.5°	594.9	604.9	598.9	575.9	569.9	571.9	562.9	554.9	581.9	771.9	855.9
80°	399.0	408.0	397.0	386.0	377.0	386.0	382.0	378.0	393.0	491.9	575.9
82.5°	180.0	182.0	182.0	171.0	164.0	178.0	180.0	183.0	192.0	214.0	235.0
85°	110.0	111.0	109.0	106.0	102.0	105.0	104.0	106.0	110.0	117.0	121.0
87.5°	94.0	94.0	94.0	91.0	88.0	88.0	87.0	88.0	89.0	95.0	97.0
90°	83.0	83.0	83.0	81.0	79.0	79.0	80.0	79.0	81.0	87.0	90.0
92.5°	70.0	71.0	73.0	73.0	73.0	74.0	74.0	74.0	75.0	84.0	87.0
95°	52.0	51.0	55.0	58.0	59.0	61.0	61.0	61.0	63.0	71.0	74.0
97.5°	38.0	38.0	40.0	42.0	44.0	46.0	47.0	47.0	49.0	55.0	56.0
100°	27.0	27.0	29.0	31.0	32.0	35.0	36.0	36.0	36.0	40.0	40.0
102.5°	20.0	19.0	21.0	22.0	23.0	24.0	25.0	25.0	25.0	26.0	26.0
105°	12.0	12.0	13.0	14.0	15.0	15.0	16.0	16.0	15.0	15.0	15.0
107.5°	8.0	8.0	9.0	10.0	10.0	11.0	11.0	11.0	11.0	11.0	11.0
110°	6.0	6.0	7.0	8.0	8.0	9.0	9.0	9.0	9.0	8.0	8.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	5.0	5.0	6.0	6.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
115°	4.0	4.0	5.0	5.0	5.0	6.0	6.0	6.0	6.0	6.0	6.0
117.5°	3.0	3.0	4.0	4.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
120°	3.0	3.0	3.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
122.5°	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0
125°	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
127.5°	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
130°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)