

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: P177322

Luminaire Tested: **VAL-F01-LED-E-U-WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P177322
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33699)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VAL-F01-LED-E-U-WQ-7030
Description: VALET TUNNEL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - WIDE TYPE V SQUARE
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2331.4 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U0 - G1

Input Watts (W): 25.9
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

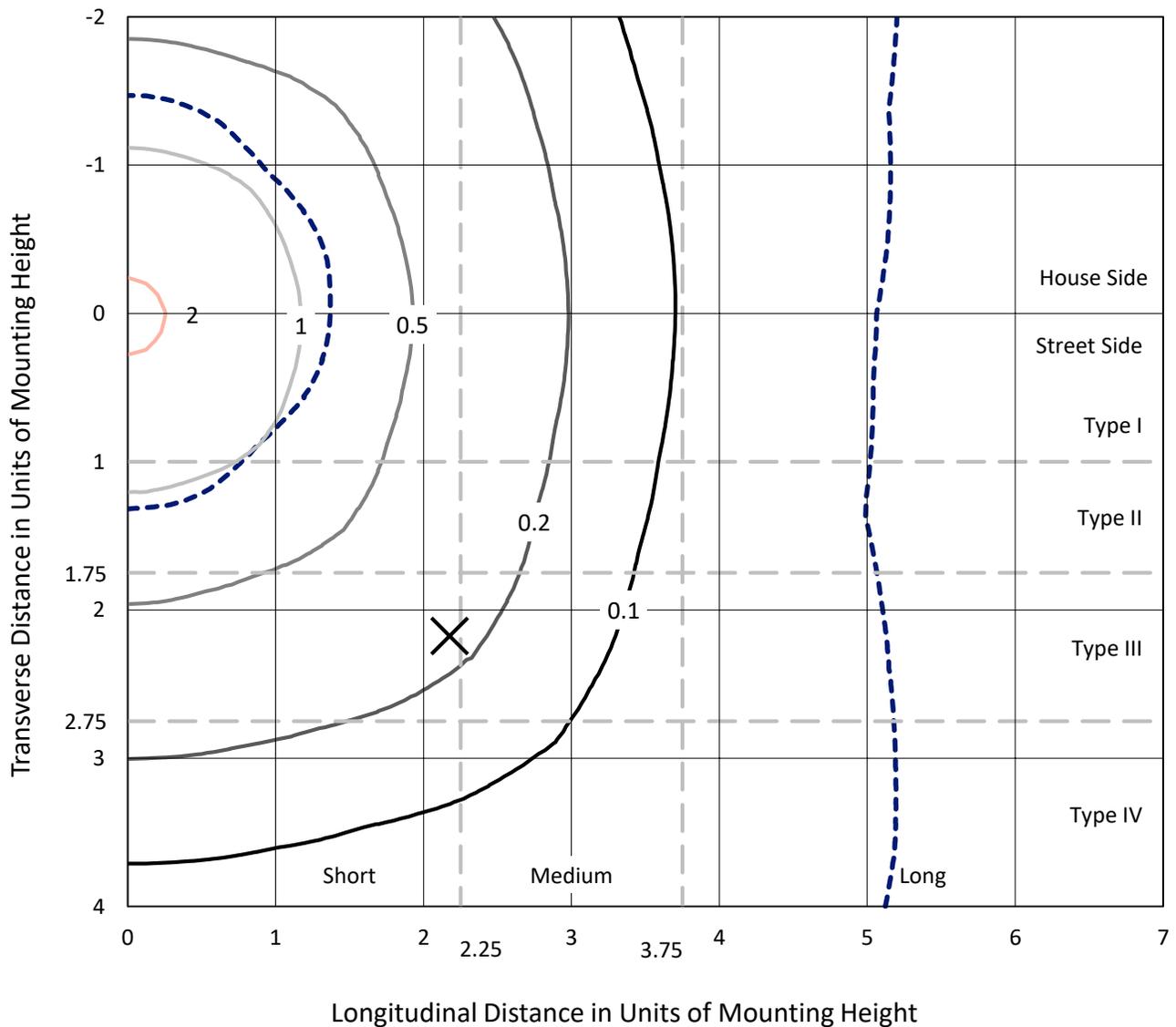


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

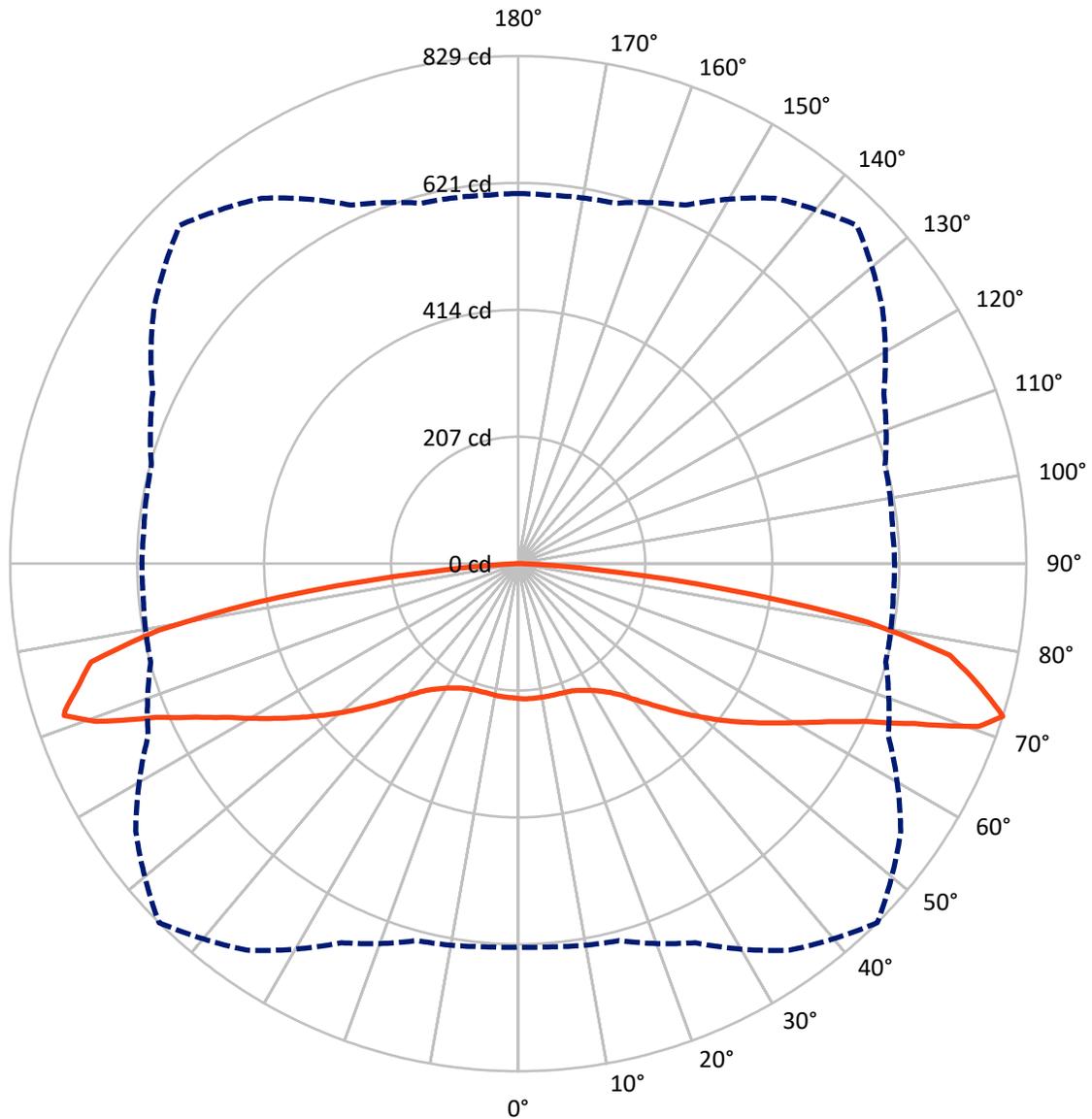


Based on 10 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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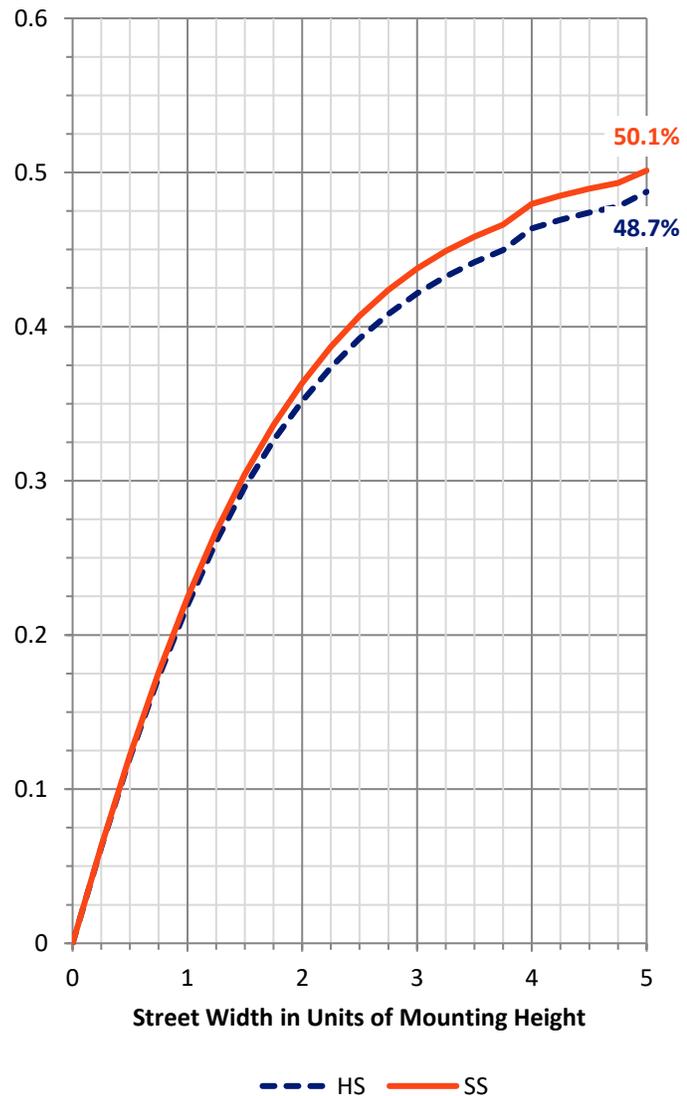
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1149.7	0.0	1149.7
	% Fixture	49.3	0.0	49.3
Street Side	Lumens	1181.7	0.0	1181.7
	% Fixture	50.7	0.0	50.7
Total	Lumens	2331.4	0.0	2331.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.0	0.9
10°-20°	62.4	2.7
20°-30°	104.9	4.5
30°-40°	159.6	6.8
40°-50°	252.3	10.8
50°-60°	385.3	16.5
60°-70°	564.5	24.2
70°-80°	641.3	27.5
80°-90°	140.1	6.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	2331.4	100.0
0°-180°	2331.4	100.0



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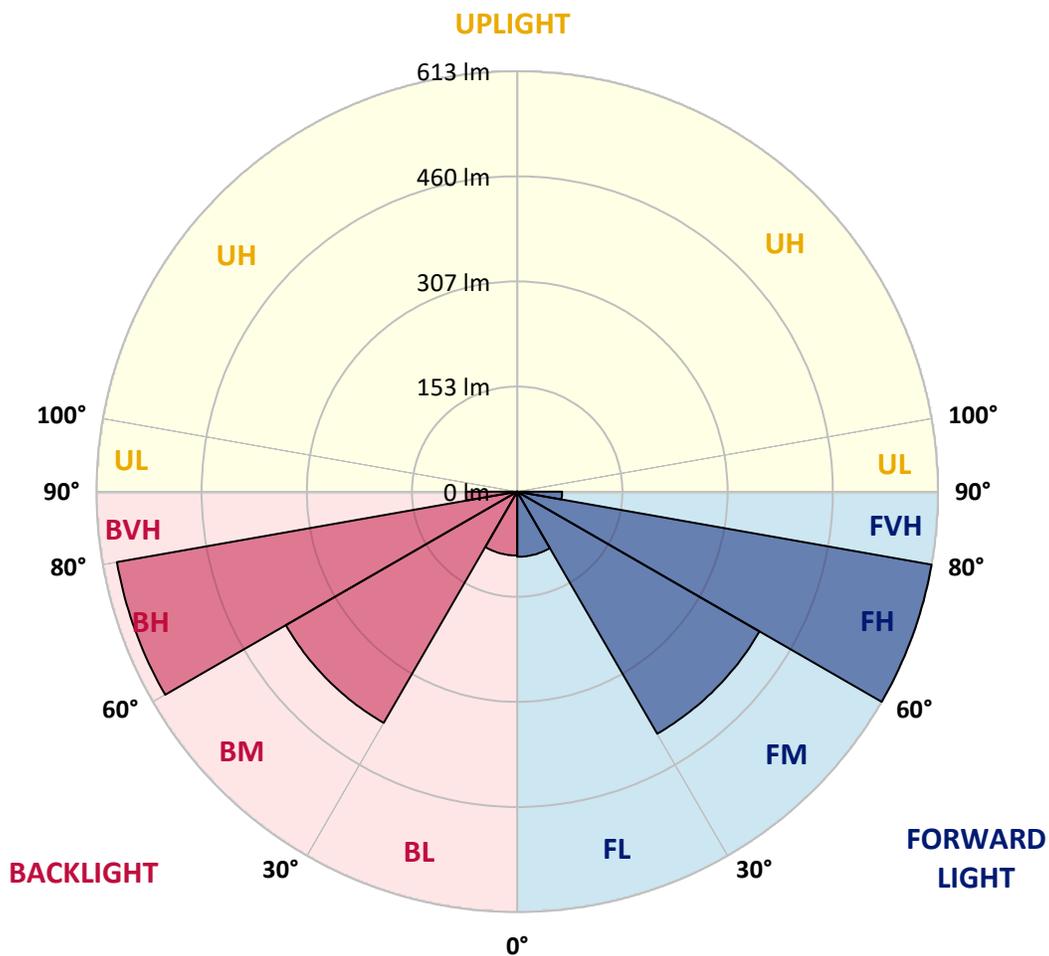
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	95.1	4.1			
FM (30°-60°)	407.8	17.5			
FH (60°-80°)	613.3	26.3			G0/660
FVH (80°-90°)	65.5	2.8			G1/100
BL (0°-30°)	93.2	4.0	B0/110		
BM (30°-60°)	389.4	16.7	B1/1000		
BH (60°-80°)	592.5	25.4	B2/1000		G0/660
BVH (80°-90°)	74.6	3.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	220.2	220.2	220.2	220.2	220.2	220.2	220.2	220.2	220.2	220.2	220.2
2.5°	222.0	222.0	221.4	221.1	221.1	220.9	220.8	220.8	220.6	220.8	220.3
5°	222.3	222.3	221.7	221.4	221.2	221.1	221.1	220.8	220.6	220.8	220.3
7.5°	222.3	222.4	222.1	221.8	221.4	221.2	221.1	220.6	220.6	220.3	220.2
10°	222.9	223.3	222.7	222.3	221.7	221.4	220.9	220.6	220.5	220.2	220.2
12.5°	223.3	223.8	223.2	222.7	222.1	221.7	221.1	220.6	220.3	219.9	220.0
15°	223.9	224.4	223.8	223.2	222.6	222.0	221.4	220.8	220.3	220.0	220.0
17.5°	224.2	224.7	224.1	223.5	223.0	222.7	222.0	221.1	220.5	220.2	220.2
20°	224.7	225.1	224.7	224.4	223.9	223.8	223.0	222.0	221.2	220.8	220.6
22.5°	225.7	226.0	225.9	225.9	225.9	225.7	225.1	223.5	222.6	221.8	221.7
25°	228.3	228.2	228.5	228.8	228.9	229.2	228.3	226.5	225.3	224.1	223.9
27.5°	232.5	232.7	232.8	233.4	234.0	234.2	233.3	231.3	229.5	227.9	227.7
30°	237.4	237.4	238.0	239.2	239.8	240.2	239.3	236.9	234.6	233.0	232.7
32.5°	244.3	244.9	245.2	246.6	247.8	248.2	246.9	244.3	241.7	239.6	239.2
35°	254.2	255.2	255.5	256.7	258.0	258.2	257.0	254.1	251.4	248.5	248.7
37.5°	268.3	268.4	269.2	269.5	272.0	272.0	270.1	267.5	264.8	262.2	261.5
40°	287.0	287.1	287.4	287.0	290.0	290.9	288.3	284.4	281.8	278.5	278.1
42.5°	307.3	308.8	308.7	307.9	310.9	312.9	309.7	305.2	302.5	299.0	298.4
45°	332.5	332.2	330.9	332.5	336.0	338.1	334.2	328.4	325.6	321.2	321.1
47.5°	356.9	356.6	354.5	355.7	362.2	365.7	360.0	353.5	349.7	347.1	345.2
50°	380.2	382.3	379.6	382.1	390.6	395.2	390.0	379.7	375.2	371.3	370.2
52.5°	407.5	408.7	406.3	410.3	419.7	426.5	419.2	406.0	401.4	397.1	395.7
55°	435.4	434.8	433.5	438.1	449.5	457.5	449.7	433.7	427.1	423.7	423.7
57.5°	462.8	463.1	460.2	465.7	480.1	490.7	480.9	461.3	453.2	449.4	450.6
60°	492.2	492.2	487.8	492.8	513.0	526.4	511.7	489.2	480.3	478.0	478.2
62.5°	525.2	524.0	519.2	525.4	550.0	567.8	549.2	521.2	509.5	509.5	510.6
65°	563.4	561.4	559.8	566.9	598.7	620.4	596.0	560.5	550.3	549.1	551.0
67.5°	618.3	620.4	616.2	625.5	668.9	697.3	660.2	614.5	603.6	602.6	607.4
70°	667.7	665.6	671.1	697.4	756.6	796.1	744.5	674.2	643.2	636.8	638.8
72°	626.1	627.8	637.0	682.8	770.4	828.5	761.5	665.9	620.4	613.8	613.6
72.5°	616.5	617.7	625.5	669.5	760.5	819.9	752.9	655.4	612.4	606.7	606.4
75°	565.8	568.2	580.6	623.4	715.7	771.6	708.8	617.5	570.3	559.5	561.7
77.5°	482.0	486.9	499.4	548.8	657.0	719.6	652.4	547.4	494.5	486.5	483.9
80°	353.6	347.0	369.6	413.3	490.4	576.5	497.5	412.4	357.5	342.9	346.5
82.5°	120.3	123.2	158.9	212.2	269.2	336.6	285.8	206.6	152.2	133.8	125.6
85°	14.6	15.8	24.7	45.1	84.7	122.4	86.6	45.8	28.5	17.5	15.4
87.5°	7.1	7.5	10.6	11.3	14.0	11.9	14.2	9.0	8.6	5.3	4.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	220.2	220.2	220.2	220.2	220.2	220.2	220.2	220.2	220.2	220.2
2.5°	220.2	219.9	219.7	219.4	219.1	219.1	219.1	219.1	219.1	219.3
5°	220.2	219.9	219.7	219.3	219.0	219.0	218.8	219.0	218.8	219.0
7.5°	220.2	219.7	219.3	218.8	218.5	218.7	218.4	218.2	218.4	218.4
10°	220.0	219.3	218.7	218.2	218.1	217.9	217.9	217.8	218.1	217.9
12.5°	219.9	219.0	218.2	217.6	217.5	217.5	217.5	217.5	217.9	217.8
15°	219.7	218.8	218.1	217.3	217.2	217.5	217.5	217.8	218.1	218.1
17.5°	219.9	218.8	217.9	217.3	217.3	217.6	217.8	218.2	218.7	218.4
20°	220.5	219.3	218.5	217.9	218.2	218.5	218.5	218.8	219.3	219.0
22.5°	221.4	220.5	219.9	219.7	220.2	220.3	220.2	220.0	220.2	219.9
25°	223.5	222.6	222.1	222.7	223.2	223.0	222.4	221.8	221.5	221.4
27.5°	227.4	226.7	226.5	227.3	227.7	227.0	225.9	225.0	224.7	224.2
30°	232.2	231.8	232.2	233.0	233.1	231.9	230.4	229.1	228.6	228.6
32.5°	238.6	238.1	239.2	240.4	240.7	239.0	236.6	234.8	233.6	233.4
35°	247.8	247.5	247.8	249.3	249.1	247.5	244.7	242.6	241.4	241.4
37.5°	260.6	260.3	259.5	261.0	260.9	258.6	255.8	253.9	252.6	252.7
40°	277.3	276.9	276.0	276.3	277.5	274.5	270.8	268.4	268.3	268.3
42.5°	297.4	295.3	295.6	297.4	296.5	292.9	289.5	287.4	287.4	287.3
45°	319.2	318.5	318.2	318.8	319.5	316.7	311.1	308.7	308.5	308.5
47.5°	344.6	340.8	341.6	343.1	344.9	341.3	334.2	331.3	330.9	331.0
50°	369.3	365.4	366.1	369.3	372.8	367.0	358.3	354.8	354.2	354.5
52.5°	394.9	391.6	391.6	396.9	401.4	394.3	383.3	379.1	379.1	379.0
55°	422.1	417.6	419.4	426.2	431.6	423.0	409.4	406.1	403.5	404.6
57.5°	449.1	444.6	446.1	456.5	463.3	453.0	436.0	429.0	427.5	427.2
60°	476.7	471.5	473.4	489.6	497.6	484.1	459.0	450.6	449.2	449.1
62.5°	507.3	503.7	506.4	525.2	534.4	515.1	483.6	474.0	474.4	473.4
65°	545.4	542.6	547.2	570.3	581.6	553.3	515.4	504.3	505.6	505.5
67.5°	600.0	596.6	599.4	631.7	641.8	605.5	559.6	548.6	550.7	554.2
70°	634.3	636.8	662.6	707.8	735.6	698.5	637.9	617.2	618.3	618.7
72°	612.8	619.3	657.6	725.2	780.8	728.1	645.6	608.9	603.5	604.1
72.5°	607.1	612.1	650.5	718.0	777.1	721.7	637.3	602.6	593.8	594.1
75°	564.0	573.5	610.4	680.6	743.9	689.9	605.3	568.4	561.6	561.6
77.5°	489.6	502.9	540.8	639.2	715.2	656.4	564.7	519.0	512.1	509.5
80°	360.3	379.7	417.0	514.2	596.3	542.6	464.9	417.9	407.0	403.1
82.5°	141.9	158.6	221.2	309.7	393.0	334.5	252.9	211.0	177.3	173.7
85°	17.6	28.5	55.8	102.1	156.1	111.0	66.2	34.7	18.7	15.7
87.5°	5.1	9.7	10.6	17.2	20.4	18.7	11.8	10.6	5.9	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)