

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: INVUE

Report Number: P180022

Luminaire Tested: **ICS-F01-LED-E1-5MQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180022
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-F01-LED-E1-5MQ-7030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2187.7 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B1 - 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: 25 FT

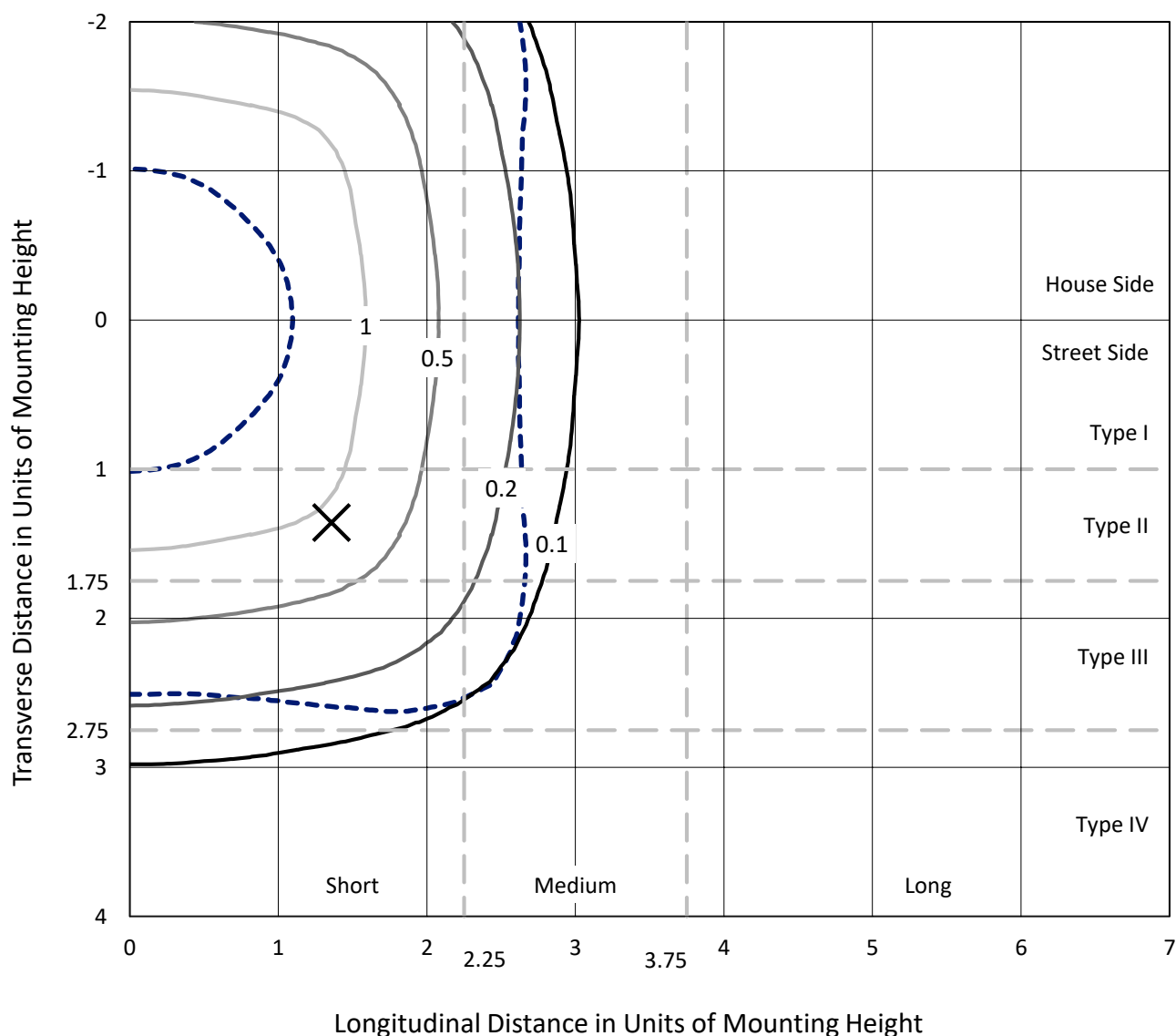


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

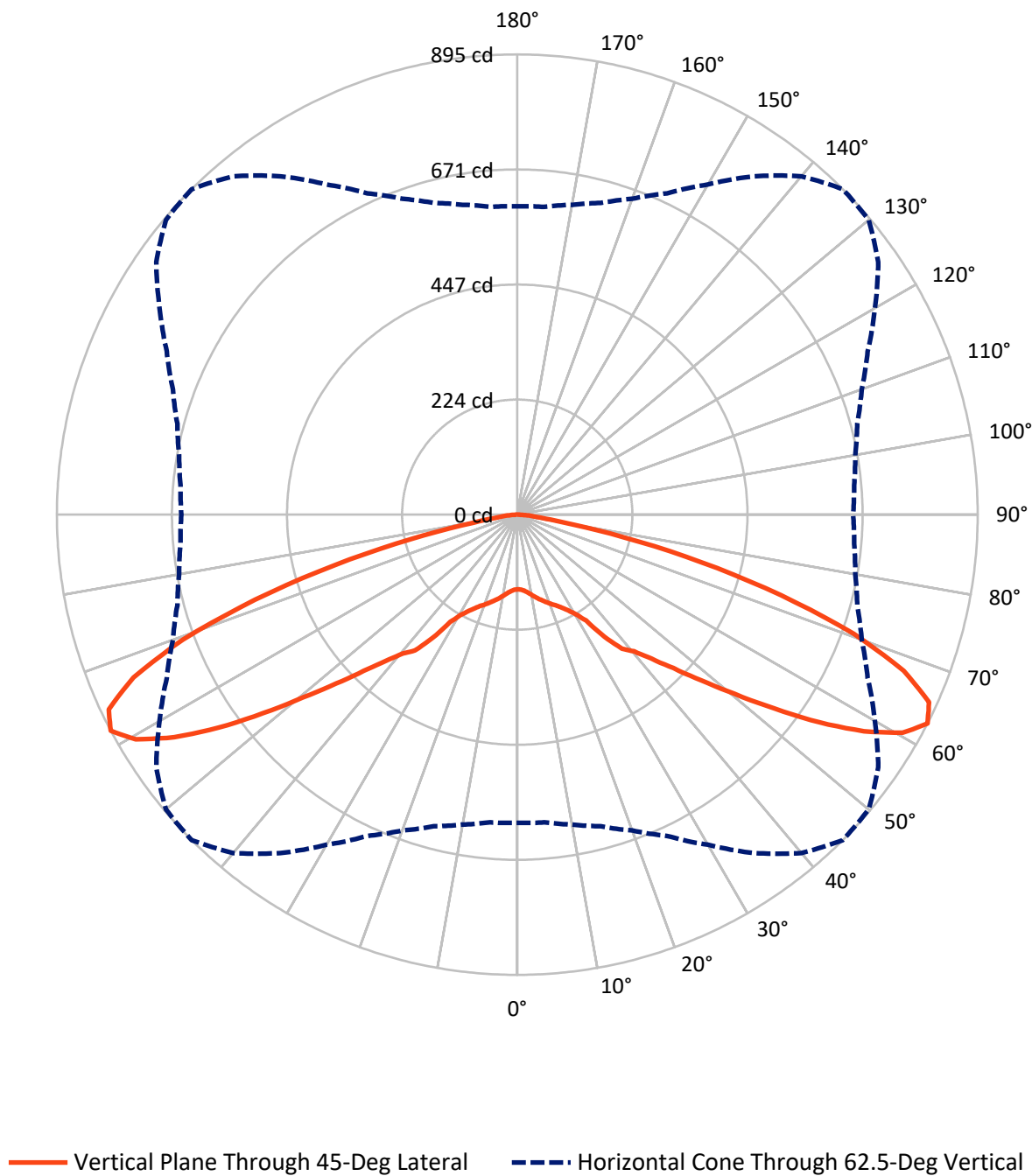


Based on 10 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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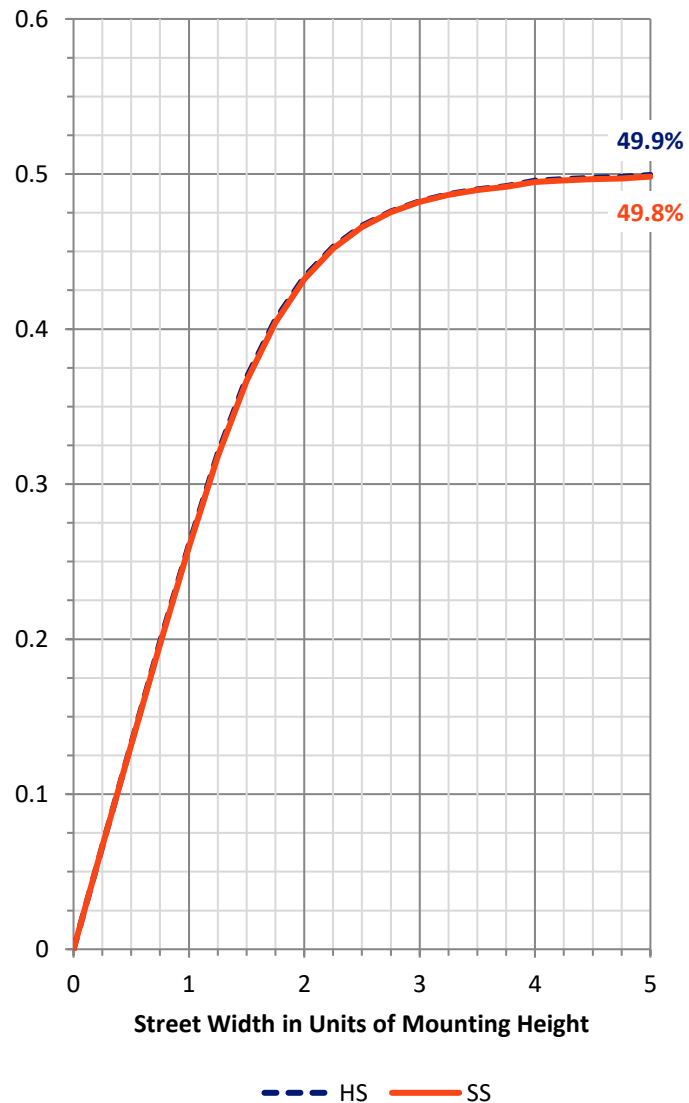
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1093.9	0.0	1093.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1093.9	0.0	1093.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	2187.7	0.0	2187.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.6	0.7
10°-20°	49.2	2.2
20°-30°	95.1	4.3
30°-40°	184.2	8.4
40°-50°	332.5	15.2
50°-60°	578.2	26.4
60°-70°	656.5	30.0
70°-80°	254.5	11.6
80°-90°	23.0	1.0
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°	2187.7	100.0
0°-180°	2187.7	100.0

Coefficient of Utilization



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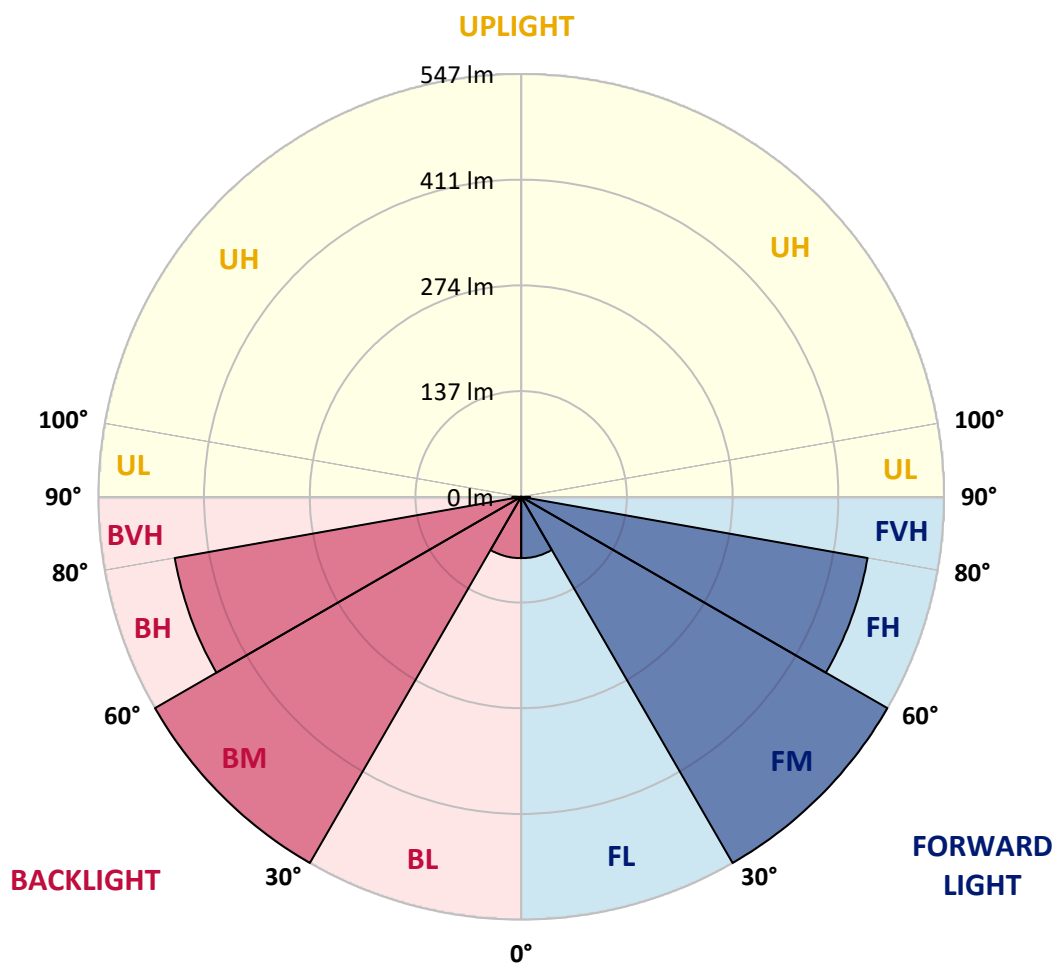
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	79.4	3.6			
FM	(30°-60°)	547.5	25.0			
FH	(60°-80°)	455.5	20.8			G0/660
FVH	(80°-90°)	11.5	0.5			G1/100
BL	(0°-30°)	79.4	3.6	B0/110		
BM	(30°-60°)	547.5	25.0	B1/1000		
BH	(60°-80°)	455.5	20.8	B1/500		G0/660
BVH	(80°-90°)	11.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	145.2	145.2	145.2	145.2	145.2	145.2	145.2	145.2	145.2	145.2	145.2
2.5°	146.1	146.6	146.5	146.2	146.2	146.2	146.1	145.8	145.7	145.9	146.2
5°	149.5	149.5	149.5	149.5	149.3	149.3	149.0	148.9	149.0	148.7	148.6
7.5°	154.7	154.4	154.4	154.2	154.2	154.0	153.7	153.2	153.4	153.3	153.2
10°	160.8	161.0	160.6	161.0	160.4	160.3	159.8	159.6	159.4	159.1	159.1
12.5°	168.2	167.9	167.8	167.6	167.4	167.2	166.5	166.4	166.0	165.7	165.4
15°	175.1	175.0	174.5	174.1	174.0	173.7	173.0	172.5	172.4	171.8	171.4
17.5°	182.0	181.8	181.2	181.0	180.5	180.2	179.5	178.8	178.5	178.2	177.6
20°	189.3	189.2	188.6	188.1	187.6	187.1	186.0	185.5	185.2	184.8	184.4
22.5°	198.5	198.0	197.1	196.4	195.1	194.6	193.3	192.6	191.9	191.4	191.2
25°	208.4	208.6	207.3	206.3	204.8	203.6	201.9	201.0	200.4	200.0	199.9
27.5°	220.8	221.0	219.8	218.4	216.2	214.8	212.5	211.4	211.0	210.6	210.5
30°	240.6	239.6	237.6	235.3	233.2	230.2	227.0	225.9	224.7	224.4	224.4
32.5°	276.8	276.2	274.6	268.8	266.0	260.0	254.2	250.9	247.2	245.4	244.2
35°	302.1	301.9	300.6	298.6	296.9	295.6	292.3	291.7	291.0	291.0	291.9
37.5°	320.8	319.4	319.2	319.5	319.1	319.3	322.0	325.8	328.9	330.5	330.2
40°	348.4	346.5	347.6	346.8	345.8	345.6	346.4	347.9	349.4	349.4	349.0
42.5°	384.4	385.4	385.8	382.5	380.4	379.8	382.0	381.5	383.0	382.5	381.0
45°	438.0	437.5	436.7	432.8	429.4	426.6	427.2	426.4	426.5	425.6	424.4
47.5°	492.2	494.0	490.8	488.8	485.0	483.1	484.6	483.3	485.9	481.2	478.9
50°	544.6	546.0	544.8	542.1	542.2	544.8	546.8	549.2	552.8	547.4	539.3
52.5°	587.6	588.7	590.4	592.7	598.2	604.0	612.1	620.8	627.7	626.7	617.4
55°	613.8	615.2	618.0	625.8	635.8	650.9	669.4	689.6	705.4	713.2	706.4
57.5°	622.6	623.6	631.4	640.7	656.2	678.8	709.6	744.6	775.0	794.4	791.3
60°	620.6	620.6	628.4	641.3	663.0	692.8	736.6	785.0	831.6	860.5	856.2
62.5°	599.2	600.4	611.6	627.1	653.3	689.0	741.0	803.0	858.7	894.6	891.2
65°	552.4	553.2	565.3	583.7	613.0	655.4	712.2	780.8	844.6	879.3	872.7
67.5°	476.8	477.6	487.4	508.2	539.2	583.4	644.8	720.2	782.8	810.2	790.4
70°	379.2	381.5	387.8	409.9	433.4	476.8	533.3	608.8	667.8	693.7	672.0
72.5°	258.4	264.2	271.9	291.4	314.0	350.0	394.9	458.6	505.9	535.8	516.6
75°	145.6	153.7	156.1	170.9	189.4	217.8	250.8	296.3	344.2	368.5	345.2
77.5°	62.9	69.6	72.5	79.4	93.9	105.8	125.8	156.6	193.6	210.6	182.7
80°	31.0	32.6	33.8	36.0	40.0	43.8	53.4	66.9	82.0	85.8	68.3
82.5°	24.0	25.1	27.2	29.0	30.0	31.0	31.9	33.7	35.2	36.0	34.0
85°	16.8	18.3	20.7	22.6	23.8	24.6	25.4	25.9	24.6	22.4	23.5
87.5°	4.4	5.8	8.0	8.7	9.8	10.4	10.2	10.6	9.5	6.9	7.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	145.2	145.2	145.2	145.2	145.2	145.2	145.2	145.2
2.5°	146.0	145.9	146.0	146.0	146.0	145.9	146.0	145.9
5°	148.6	148.6	148.8	148.5	148.5	148.6	148.5	148.4
7.5°	153.0	152.9	153.0	152.8	153.0	152.8	152.8	152.7
10°	159.0	158.6	158.8	158.4	158.5	158.4	158.4	158.3
12.5°	165.2	164.9	165.0	164.7	164.1	164.2	164.4	164.2
15°	171.4	171.0	170.7	170.4	170.1	170.2	170.2	170.1
17.5°	177.6	176.9	176.8	176.4	176.4	176.4	176.3	176.4
20°	184.0	183.6	183.4	183.2	183.0	183.3	183.5	183.2
22.5°	191.0	190.7	190.9	190.7	191.0	191.2	191.4	191.1
25°	199.6	199.4	199.8	200.6	201.0	201.2	201.8	201.6
27.5°	210.8	210.6	211.4	212.5	213.2	214.3	214.9	215.1
30°	225.3	226.4	226.8	229.0	229.5	231.3	231.3	232.1
32.5°	246.4	248.3	251.6	255.2	260.0	263.5	263.6	265.3
35°	292.5	293.2	295.8	296.5	297.5	298.6	297.5	298.4
37.5°	327.9	324.4	321.9	318.4	316.2	316.2	316.5	316.2
40°	346.0	344.6	343.5	340.5	340.2	340.0	340.0	340.4
42.5°	378.4	375.0	373.2	370.8	370.0	369.7	369.6	369.9
45°	420.4	415.1	410.2	407.8	405.6	403.6	404.2	404.2
47.5°	469.4	461.1	453.2	448.9	445.2	443.5	442.4	442.0
50°	529.0	517.4	507.2	499.2	493.8	493.7	494.2	490.7
52.5°	602.0	583.8	571.2	560.3	555.2	554.6	552.8	550.8
55°	683.0	661.4	640.5	628.8	622.2	618.6	616.4	613.0
57.5°	766.5	737.4	707.4	688.7	677.0	668.8	664.4	662.6
60°	830.8	791.2	751.5	721.5	702.0	689.8	682.4	679.3
62.5°	856.2	802.4	751.4	712.2	683.8	667.0	657.0	652.6
65°	826.0	762.2	704.3	660.8	629.3	610.7	599.6	594.9
67.5°	741.6	685.3	622.3	579.1	546.6	528.2	516.3	512.8
70°	621.7	564.2	504.0	465.4	436.4	421.4	409.1	407.6
72.5°	467.2	417.6	366.0	334.1	310.8	286.0	279.6	282.8
75°	299.6	253.0	207.1	178.4	157.1	133.4	124.2	126.5
77.5°	141.8	109.8	79.3	61.3	51.4	44.0	42.0	40.9
80°	52.6	42.6	37.7	35.8	34.4	33.1	32.2	31.2
82.5°	34.0	33.2	32.2	31.9	30.9	29.3	26.4	25.1
85°	25.4	25.4	24.0	24.2	23.4	21.3	18.6	17.2
87.5°	7.5	6.6	6.1	5.6	5.6	5.0	3.6	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)