

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: P179961

Luminaire Tested: **ICM-F01-LED-E1-5MQ-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P179961
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: ICM-F01-LED-E1-5MQ-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2089.4 lumens
Efficiency: N/A
Efficacy: 80.7 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

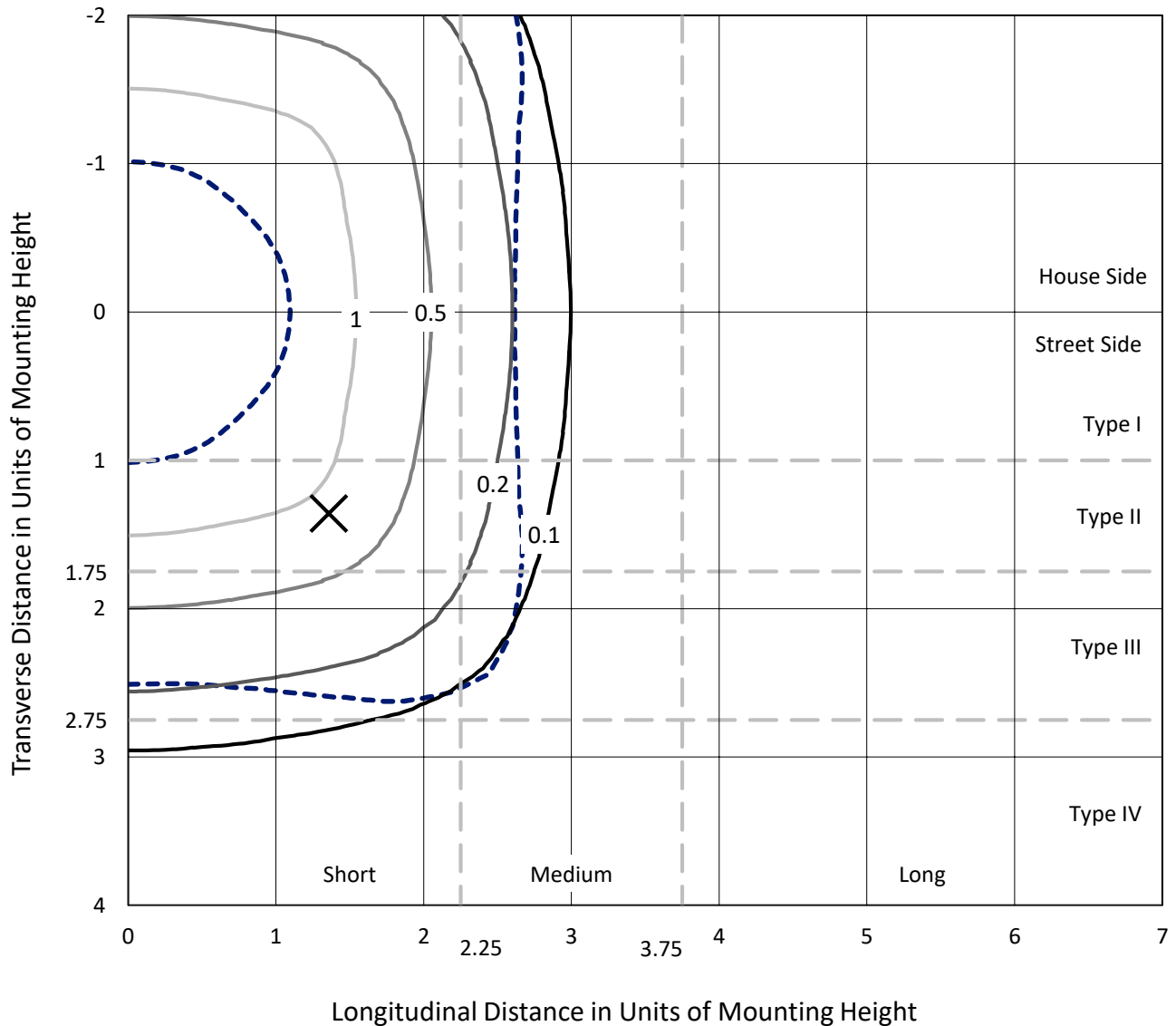


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Iso-Footcandle Lines of Horizontal Illumination

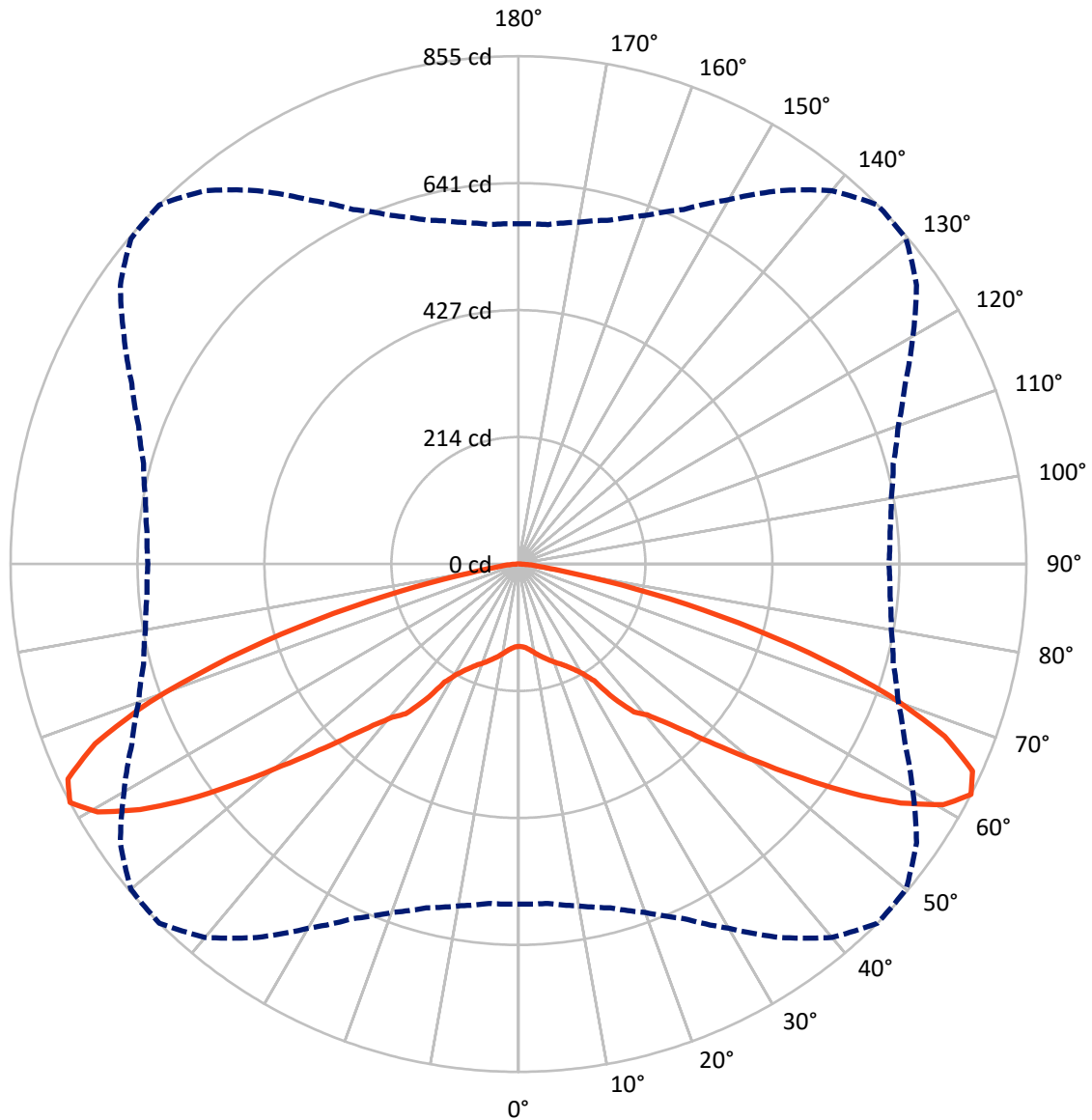
× Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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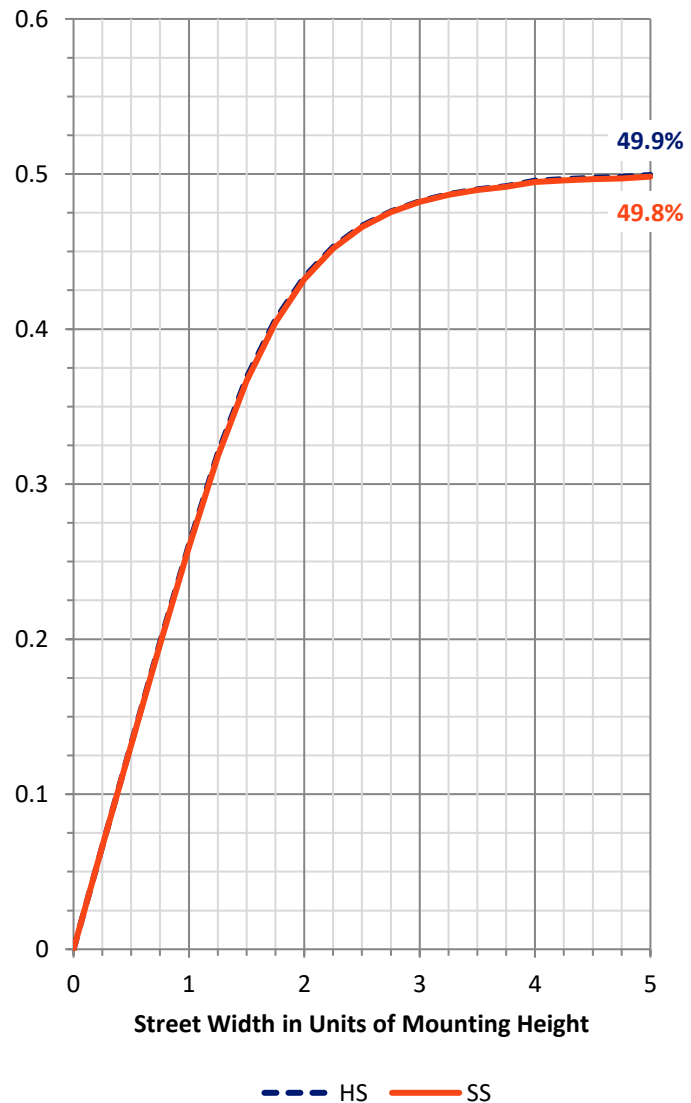
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1044.7	0.0	1044.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1044.7	0.0	1044.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2089.4	0.0	2089.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.9	0.7
10°-20°	47.0	2.2
20°-30°	90.8	4.3
30°-40°	175.9	8.4
40°-50°	317.6	15.2
50°-60°	552.3	26.4
60°-70°	627.0	30.0
70°-80°	243.1	11.6
80°-90°	21.9	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°	2089.4	100.0
0°-180°	2089.4	100.0



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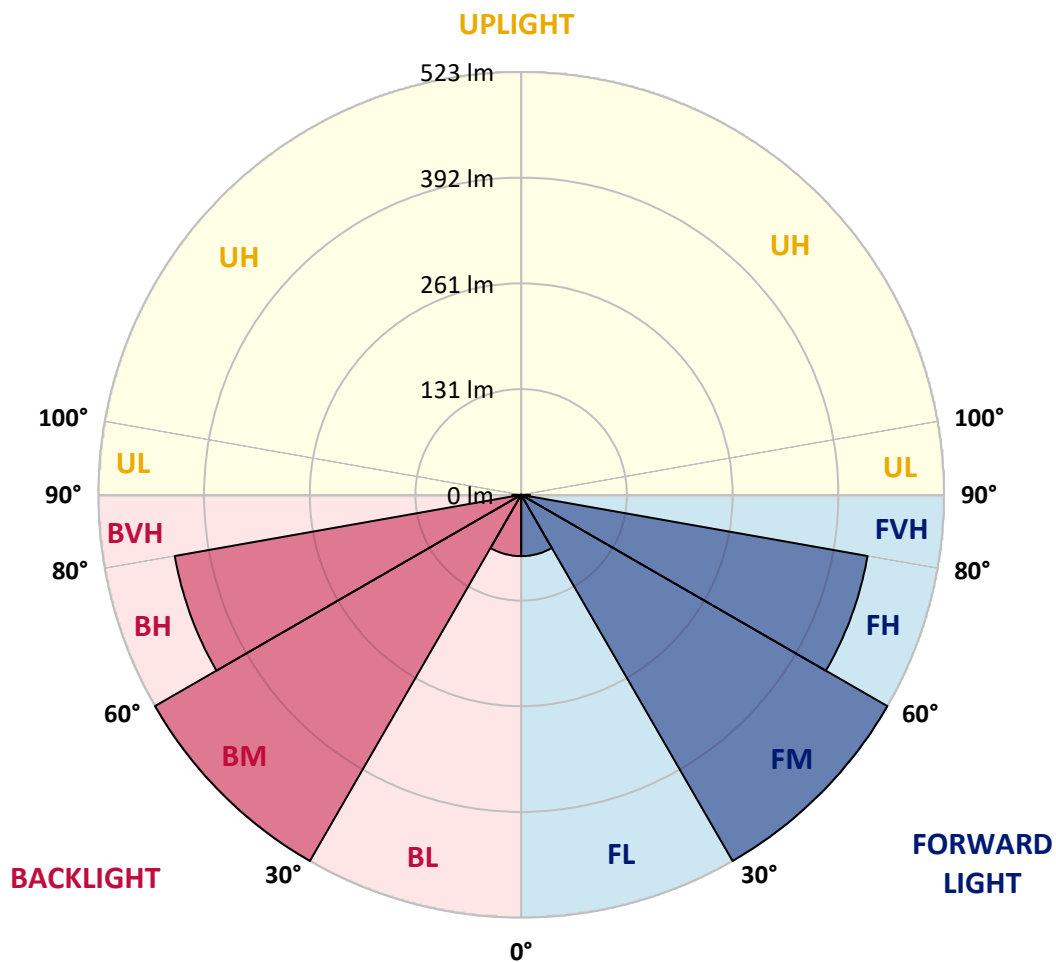
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	75.9	3.6			
FM (30°-60°)	522.9	25.0			
FH (60°-80°)	435.0	20.8			G0/660
FVH (80°-90°)	11.0	0.5			G1/100
BL (0°-30°)	75.9	3.6	B0/110		
BM (30°-60°)	522.9	25.0	B1/1000		
BH (60°-80°)	435.0	20.8	B1/500		G0/660
BVH (80°-90°)	11.0	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°	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7
2.5°	139.5	140.0	139.9	139.6	139.6	139.6	139.5	139.2	139.2	139.3	139.5
5°	142.8	142.8	142.8	142.8	142.5	142.6	142.3	142.1	142.3	142.0	142.0
7.5°	147.7	147.4	147.4	147.3	147.3	147.2	146.8	146.4	146.5	146.4	146.2
10°	153.6	153.7	153.4	153.7	153.1	153.0	152.6	152.4	152.3	152.0	152.0
12.5°	160.6	160.3	160.3	160.1	159.8	159.6	159.0	158.9	158.5	158.2	158.0
15°	167.3	167.1	166.7	166.2	166.1	166.0	165.1	164.7	164.7	164.1	163.6
17.5°	173.8	173.6	173.0	172.8	172.5	172.1	171.3	170.8	170.4	170.2	169.7
20°	180.8	180.6	180.1	179.6	179.1	178.6	177.7	177.1	176.7	176.5	176.1
22.5°	189.6	189.1	188.3	187.5	186.3	185.9	184.6	183.8	183.3	182.9	182.7
25°	199.1	199.2	198.0	197.0	195.6	194.4	192.8	192.0	191.4	191.0	190.9
27.5°	211.0	211.1	210.0	208.6	206.5	205.2	203.0	201.9	201.6	201.1	201.0
30°	229.8	228.7	227.0	224.7	222.7	219.9	216.7	215.7	214.7	214.3	214.3
32.5°	264.4	263.7	262.3	256.7	254.1	248.2	242.7	239.6	236.1	234.3	233.2
35°	288.6	288.4	287.1	285.2	283.5	282.3	279.2	278.6	278.0	278.0	278.8
37.5°	306.3	305.1	304.8	305.1	304.7	304.9	307.5	311.1	314.1	315.6	315.4
40°	332.7	330.9	331.9	331.2	330.2	330.0	330.9	332.3	333.7	333.7	333.4
42.5°	367.2	368.0	368.5	365.4	363.4	362.8	364.8	364.4	365.8	365.2	363.8
45°	418.4	417.9	417.1	413.3	410.0	407.4	408.0	407.3	407.4	406.5	405.4
47.5°	470.0	471.8	468.7	466.8	463.3	461.4	462.9	461.6	464.0	459.5	457.3
50°	520.2	521.5	520.4	517.8	517.8	520.4	522.2	524.6	528.0	522.8	515.0
52.5°	561.2	562.2	563.9	566.0	571.4	576.8	584.6	592.9	599.4	598.5	589.7
55°	586.2	587.5	590.2	597.7	607.3	621.6	639.3	658.6	673.7	681.1	674.6
57.5°	594.6	595.6	603.0	611.9	626.8	648.2	677.8	711.1	740.2	758.7	755.7
60°	592.7	592.7	600.2	612.5	633.2	661.8	703.4	749.7	794.2	821.9	817.7
62.5°	572.3	573.3	584.1	598.9	623.9	658.1	707.7	766.9	820.1	854.5	851.2
65°	527.6	528.4	539.8	557.5	585.5	625.9	680.2	745.7	806.7	839.7	833.5
67.5°	455.3	456.0	465.5	485.4	515.0	557.2	615.8	687.8	747.6	773.8	755.0
70°	362.2	364.4	370.4	391.4	414.0	455.3	509.4	581.4	637.8	662.5	641.8
72.5°	246.9	252.4	259.7	278.3	299.9	334.1	377.2	438.0	483.2	511.8	493.3
75°	139.0	146.8	149.0	163.2	180.9	208.0	239.4	283.0	328.7	352.0	329.8
77.5°	60.1	66.4	69.2	75.8	89.7	101.0	120.1	149.5	184.8	201.1	174.5
80°	29.6	31.1	32.4	34.4	38.2	42.0	51.0	63.8	78.3	82.0	65.3
82.5°	22.9	24.0	26.0	27.7	28.7	29.6	30.5	32.2	33.6	34.3	32.4
85°	16.1	17.5	19.7	21.6	22.7	23.4	24.2	24.7	23.4	21.4	22.5
87.5°	4.3	5.5	7.6	8.4	9.4	9.9	9.8	10.0	9.1	6.5	7.3
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°	138.7	138.7	138.7	138.7	138.7	138.7	138.7	138.7
2.5°	139.4	139.3	139.4	139.5	139.4	139.3	139.3	139.3
5°	142.0	142.0	142.0	141.9	141.8	142.0	141.9	141.8
7.5°	146.1	146.0	146.0	146.0	146.0	146.0	146.0	145.9
10°	151.7	151.5	151.6	151.3	151.3	151.3	151.3	151.3
12.5°	157.8	157.5	157.6	157.3	156.7	156.8	157.0	156.8
15°	163.6	163.3	163.0	162.8	162.4	162.6	162.6	162.4
17.5°	169.6	168.9	168.8	168.5	168.4	168.4	168.4	168.6
20°	175.8	175.3	175.3	174.9	174.8	175.1	175.3	175.0
22.5°	182.3	182.1	182.3	182.1	182.5	182.7	182.8	182.5
25°	190.7	190.4	190.7	191.4	192.0	192.2	192.7	192.5
27.5°	201.3	201.1	201.9	203.0	203.6	204.7	205.2	205.5
30°	215.2	216.2	216.6	218.8	219.2	220.8	220.8	221.7
32.5°	235.3	237.1	240.4	243.7	248.4	251.6	251.6	253.4
35°	279.4	280.1	282.6	283.2	284.1	285.2	284.1	284.9
37.5°	313.1	309.8	307.4	304.1	302.0	302.0	302.3	302.0
40°	330.4	329.1	328.0	325.2	324.8	324.7	324.7	325.1
42.5°	361.3	358.2	356.5	354.0	353.3	353.1	353.0	353.2
45°	401.5	396.5	391.8	389.4	387.4	385.5	386.0	386.0
47.5°	448.3	440.4	432.8	428.7	425.1	423.5	422.5	422.1
50°	505.2	494.2	484.5	476.8	471.6	471.5	472.0	468.6
52.5°	575.1	557.6	545.5	535.1	530.2	529.8	528.0	526.0
55°	652.4	631.7	611.7	600.6	594.2	590.7	588.7	585.5
57.5°	732.1	704.3	675.5	657.8	646.5	638.7	634.6	632.7
60°	793.5	755.6	717.8	689.1	670.4	658.8	651.7	648.7
62.5°	817.7	766.3	717.8	680.1	653.0	637.1	627.5	623.3
65°	788.8	728.0	672.7	631.2	601.0	583.3	572.7	568.2
67.5°	708.3	654.5	594.3	553.1	522.0	504.5	493.1	489.8
70°	593.8	538.8	481.3	444.5	416.8	402.4	390.7	389.3
72.5°	446.2	398.8	349.6	319.1	296.8	273.0	267.0	270.0
75°	286.0	241.7	197.8	170.3	150.0	127.3	118.6	120.7
77.5°	135.4	104.9	75.7	58.6	49.1	42.0	40.2	39.1
80°	50.2	40.7	35.9	34.1	32.8	31.6	30.8	29.8
82.5°	32.6	31.8	30.8	30.5	29.5	28.0	25.1	24.0
85°	24.4	24.4	23.1	23.1	22.3	20.5	17.9	16.5
87.5°	7.1	6.3	5.8	5.4	5.2	4.7	3.4	3.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)