

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: P180021

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180021
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-8030
Description: ICON SITE SMALL 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: 2021.6 lumens
Efficiency: N/A
Efficacy: 78.1 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

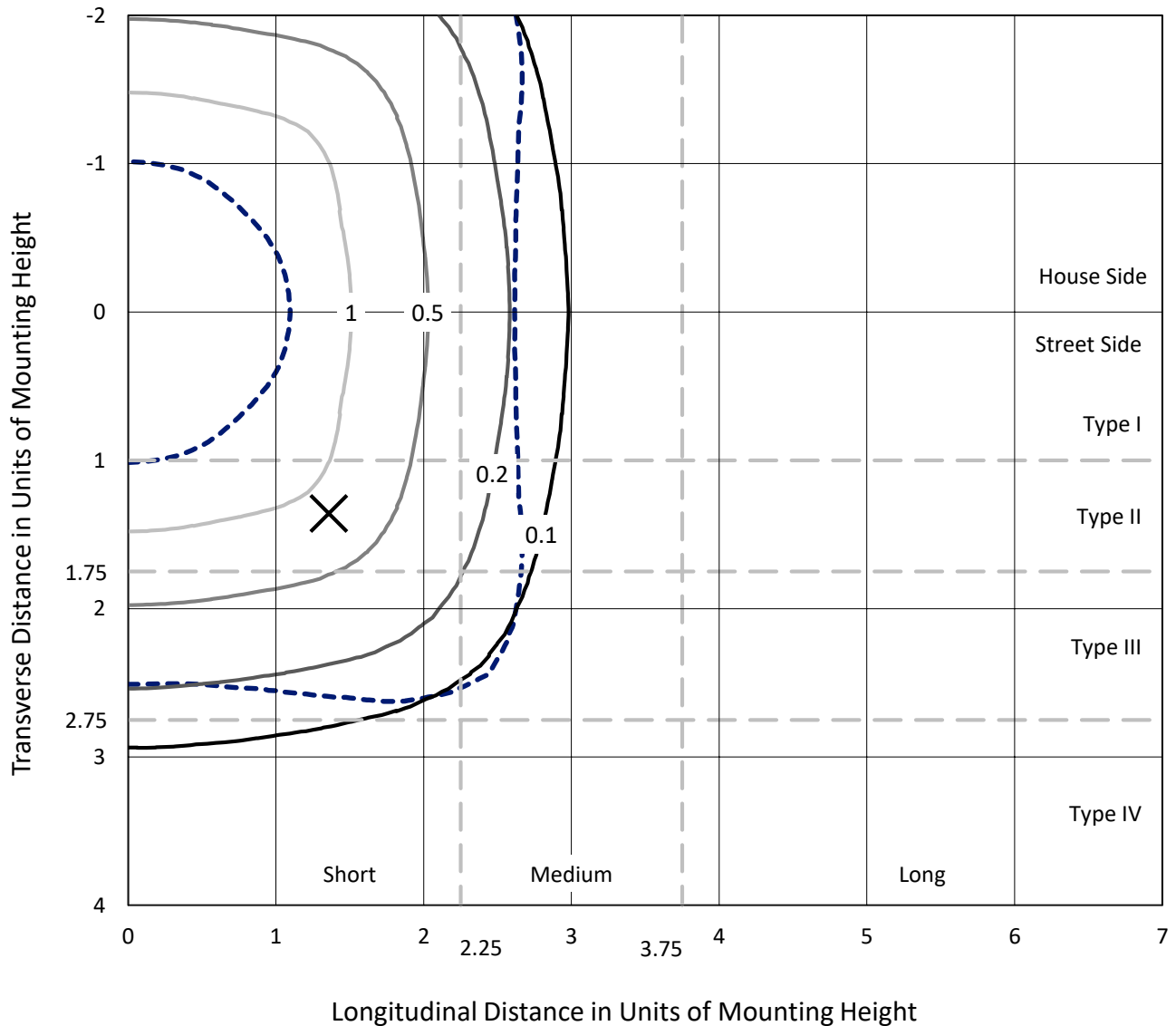
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P180021
 CATALOG NUMBER: ICS-F01-LED-E1-5MQ-8030

Iso-Footcandle Lines of Horizontal Illumination

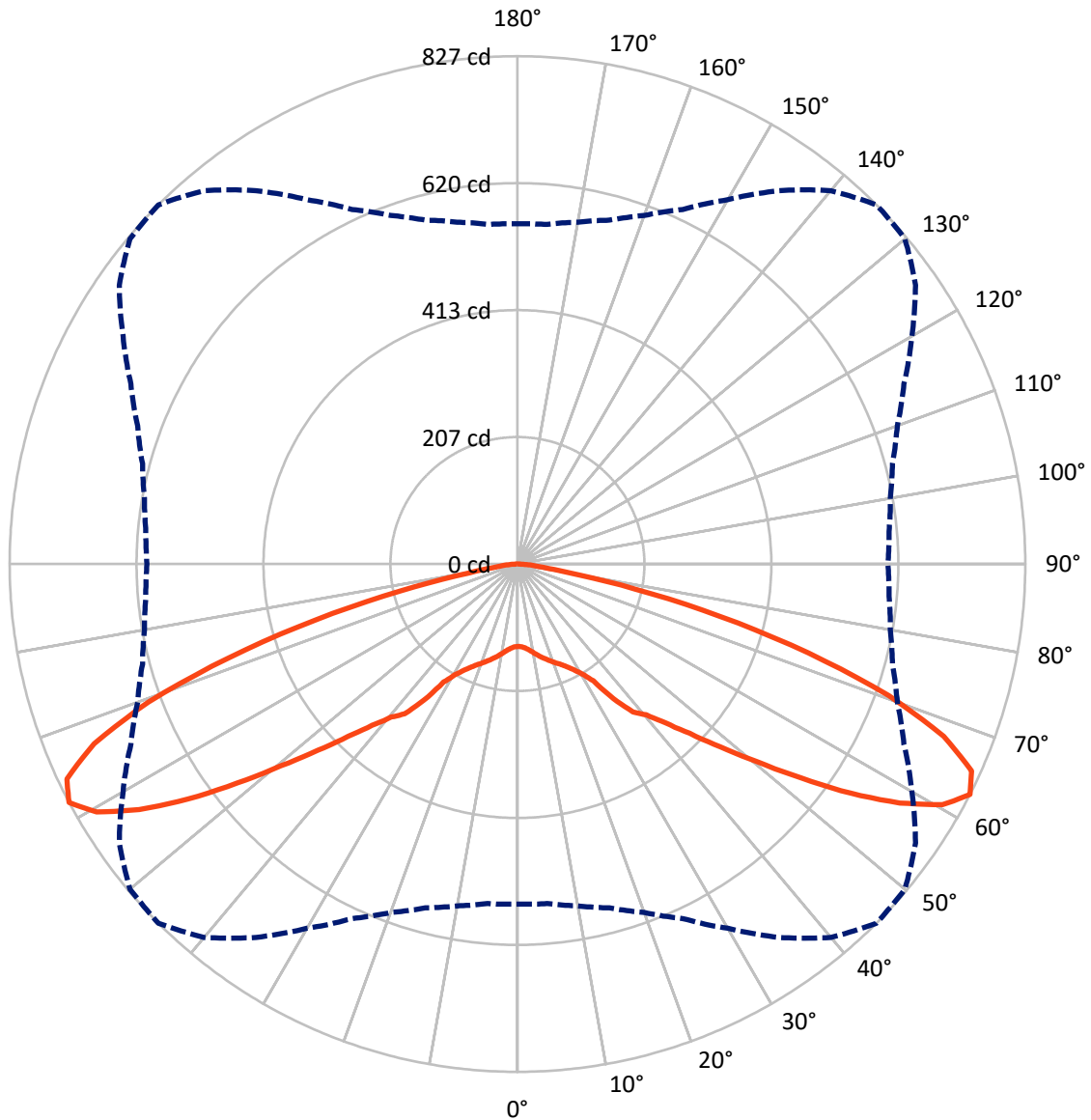
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.5 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P180021
CATALOG NUMBER: ICS-F01-LED-E1-5MQ-8030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P180021

CATALOG NUMBER: ICS-F01-LED-E1-5MQ-8030

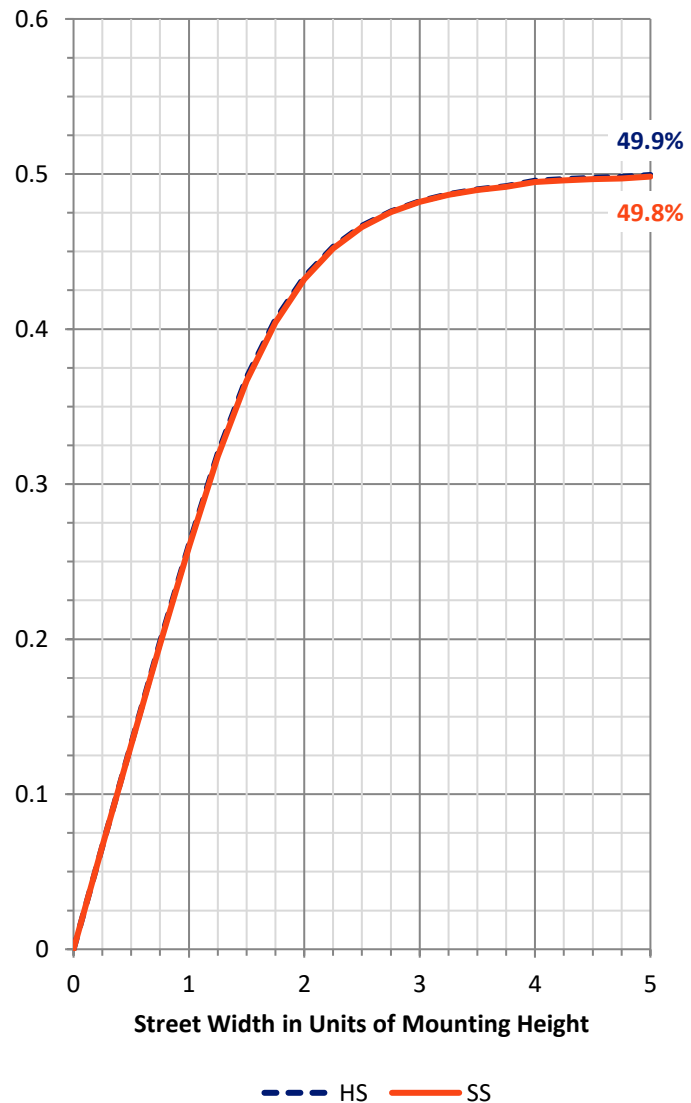
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1010.8	0.0	1010.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1010.8	0.0	1010.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	2021.6	0.0	2021.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.4	0.7
10°-20°	45.5	2.2
20°-30°	87.9	4.3
30°-40°	170.2	8.4
40°-50°	307.3	15.2
50°-60°	534.3	26.4
60°-70°	606.6	30.0
70°-80°	235.2	11.6
80°-90°	21.2	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°	2021.6	100.0
0°-180°	2021.6	100.0

Coefficient of Utilization



REPORT NUMBER: P180021

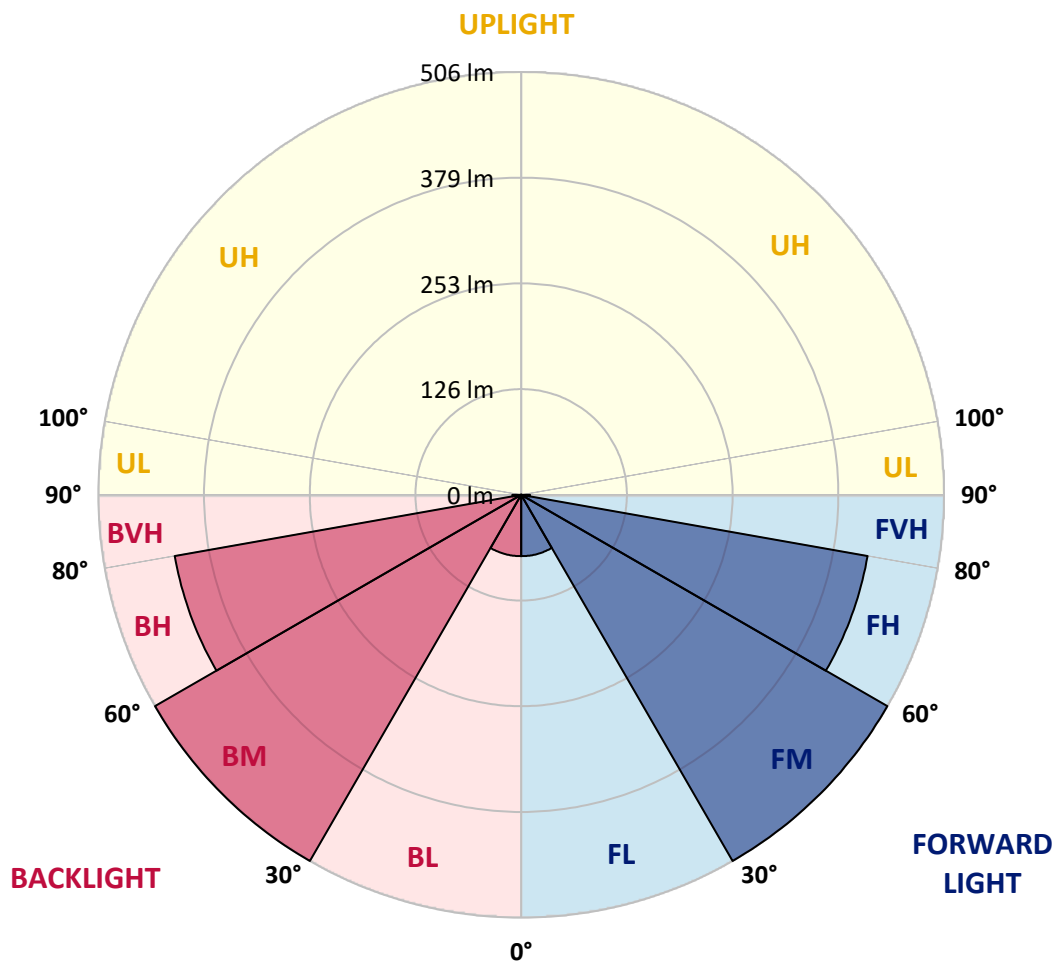
CATALOG NUMBER: ICS-F01-LED-E1-5MQ-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	73.4	3.6			
FM (30°-60°)	505.9	25.0			
FH (60°-80°)	420.9	20.8			G0/660
FVH (80°-90°)	10.6	0.5			G1/100
BL (0°-30°)	73.4	3.6	B0/110		
BM (30°-60°)	505.9	25.0	B1/1000		
BH (60°-80°)	420.9	20.8	B1/500		G0/660
BVH (80°-90°)	10.6	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





REPORT NUMBER: P180021

CATALOG NUMBER: ICS-F01-LED-E1-5MQ-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2
2.5°	135.0	135.4	135.4	135.1	135.1	135.1	135.0	134.8	134.6	134.8	135.0
5°	138.1	138.1	138.1	138.1	138.0	138.0	137.8	137.6	137.6	137.4	137.4
7.5°	143.0	142.6	142.6	142.6	142.6	142.4	142.0	141.6	141.8	141.6	141.5
10°	148.6	148.7	148.4	148.8	148.2	148.1	147.7	147.5	147.4	147.0	147.0
12.5°	155.4	155.1	155.1	154.9	154.6	154.4	153.8	153.7	153.4	153.2	152.8
15°	161.8	161.7	161.2	160.8	160.8	160.6	159.8	159.4	159.2	158.8	158.3
17.5°	168.2	168.0	167.4	167.2	166.8	166.5	165.9	165.2	164.9	164.7	164.2
20°	175.0	174.8	174.2	173.8	173.3	172.9	172.0	171.4	171.1	170.8	170.4
22.5°	183.4	183.0	182.2	181.4	180.2	179.9	178.6	177.9	177.4	177.0	176.7
25°	192.6	192.8	191.6	190.6	189.3	188.1	186.6	185.8	185.2	184.8	184.6
27.5°	204.1	204.2	203.2	201.8	199.8	198.5	196.4	195.3	195.0	194.6	194.5
30°	222.3	221.4	219.6	217.4	215.5	212.8	209.8	208.7	207.7	207.4	207.4
32.5°	255.8	255.2	253.8	248.4	245.8	240.2	234.8	231.8	228.4	226.7	225.6
35°	279.2	279.0	277.8	275.9	274.4	273.2	270.0	269.6	269.0	268.9	269.8
37.5°	296.4	295.2	295.0	295.2	294.8	295.0	297.6	301.0	303.9	305.4	305.2
40°	321.9	320.2	321.2	320.4	319.5	319.3	320.2	321.5	322.8	322.8	322.5
42.5°	355.2	356.0	356.5	353.5	351.5	351.0	353.0	352.5	353.8	353.4	352.0
45°	404.8	404.2	403.5	399.8	396.8	394.2	394.8	394.0	394.2	393.3	392.2
47.5°	454.8	456.5	453.5	451.8	448.2	446.4	447.8	446.6	449.0	444.6	442.6
50°	503.2	504.5	503.4	500.9	501.0	503.4	505.2	507.6	510.8	505.8	498.4
52.5°	543.0	544.0	545.6	547.6	552.8	558.2	565.6	573.7	580.1	579.1	570.6
55°	567.2	568.4	571.1	578.3	587.4	601.4	618.6	637.2	651.8	659.0	652.7
57.5°	575.4	576.3	583.4	592.1	606.4	627.2	655.8	688.0	716.2	734.0	731.2
60°	573.4	573.5	580.7	592.6	612.7	640.2	680.6	725.4	768.4	795.2	791.2
62.5°	553.7	554.8	565.1	579.4	603.7	636.7	684.8	741.9	793.5	826.7	823.4
65°	510.4	511.2	522.4	539.4	566.5	605.6	658.2	721.4	780.5	812.5	806.4
67.5°	440.6	441.2	450.4	469.6	498.2	539.1	595.8	665.6	723.4	748.6	730.4
70°	350.4	352.5	358.4	378.8	400.5	440.5	492.8	562.5	617.0	641.0	620.9
72.5°	238.8	244.2	251.2	269.4	290.2	323.4	365.0	423.7	467.5	495.2	477.3
75°	134.5	142.0	144.2	157.9	175.0	201.3	231.7	273.8	318.0	340.5	319.0
77.5°	58.1	64.2	67.0	73.4	86.8	97.8	116.2	144.6	178.8	194.7	168.8
80°	28.6	30.1	31.2	33.2	37.0	40.6	49.4	61.8	75.8	79.3	63.2
82.5°	22.2	23.2	25.2	26.8	27.7	28.6	29.4	31.2	32.5	33.2	31.4
85°	15.6	16.9	19.1	20.9	22.0	22.7	23.4	23.9	22.7	20.7	21.7
87.5°	4.1	5.3	7.4	8.0	9.1	9.6	9.4	9.8	8.8	6.4	7.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P180021

CATALOG NUMBER: ICS-F01-LED-E1-5MQ-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	134.2	134.2	134.2	134.2	134.2	134.2	134.2	134.2
2.5°	134.9	134.8	135.0	135.0	135.0	134.8	134.8	134.8
5°	137.3	137.4	137.4	137.2	137.2	137.4	137.2	137.1
7.5°	141.4	141.3	141.3	141.2	141.3	141.2	141.2	141.1
10°	146.8	146.6	146.7	146.4	146.4	146.3	146.4	146.3
12.5°	152.7	152.4	152.5	152.1	151.6	151.8	151.9	151.8
15°	158.4	158.0	157.7	157.5	157.2	157.3	157.3	157.2
17.5°	164.1	163.4	163.4	163.0	163.0	163.0	163.0	163.0
20°	170.0	169.6	169.5	169.2	169.1	169.4	169.6	169.3
22.5°	176.4	176.2	176.4	176.2	176.6	176.8	176.9	176.6
25°	184.5	184.2	184.6	185.3	185.8	185.9	186.4	186.2
27.5°	194.8	194.6	195.4	196.4	197.0	198.1	198.6	198.8
30°	208.2	209.1	209.6	211.6	212.0	213.8	213.8	214.5
32.5°	227.6	229.4	232.6	235.8	240.2	243.5	243.6	245.2
35°	270.3	271.0	273.4	274.0	274.8	275.9	274.9	275.7
37.5°	303.0	299.8	297.4	294.2	292.2	292.2	292.4	292.2
40°	319.7	318.5	317.4	314.7	314.3	314.2	314.2	314.6
42.5°	349.6	346.5	344.9	342.6	341.9	341.6	341.6	341.8
45°	388.5	383.5	379.1	376.8	374.8	372.9	373.5	373.5
47.5°	433.8	426.1	418.8	414.8	411.4	409.8	408.8	408.4
50°	488.8	478.2	468.8	461.4	456.3	456.2	456.8	453.4
52.5°	556.4	539.5	527.8	517.8	513.0	512.6	510.8	509.0
55°	631.2	611.2	591.8	581.1	575.0	571.6	569.7	566.5
57.5°	708.3	681.4	653.6	636.4	625.5	618.0	614.0	612.3
60°	767.8	731.0	694.4	666.7	648.6	637.4	630.6	627.7
62.5°	791.2	741.4	694.4	658.0	631.9	616.4	607.2	603.1
65°	763.3	704.4	650.8	610.7	581.6	564.3	554.2	549.8
67.5°	685.3	633.2	575.0	535.1	505.1	488.0	477.1	473.9
70°	574.6	521.4	465.7	430.1	403.4	389.4	378.0	376.7
72.5°	431.8	385.9	338.2	308.7	287.2	264.2	258.4	261.3
75°	276.8	233.8	191.4	164.8	145.2	123.2	114.8	116.8
77.5°	131.0	101.5	73.2	56.6	47.6	40.7	38.8	37.8
80°	48.6	39.4	34.8	33.0	31.8	30.6	29.8	28.8
82.5°	31.4	30.7	29.8	29.4	28.5	27.0	24.4	23.2
85°	23.5	23.5	22.2	22.4	21.6	19.8	17.2	15.9
87.5°	6.9	6.2	5.6	5.2	5.1	4.6	3.3	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)