

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: P180016

Luminaire Tested: **ICS-E01-LED-E1-5MQ-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180016
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-E01-LED-E1-5MQ-8030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2448.9 lumens
Efficiency: N/A
Efficacy: 99.1 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: B2 - U0 - G1

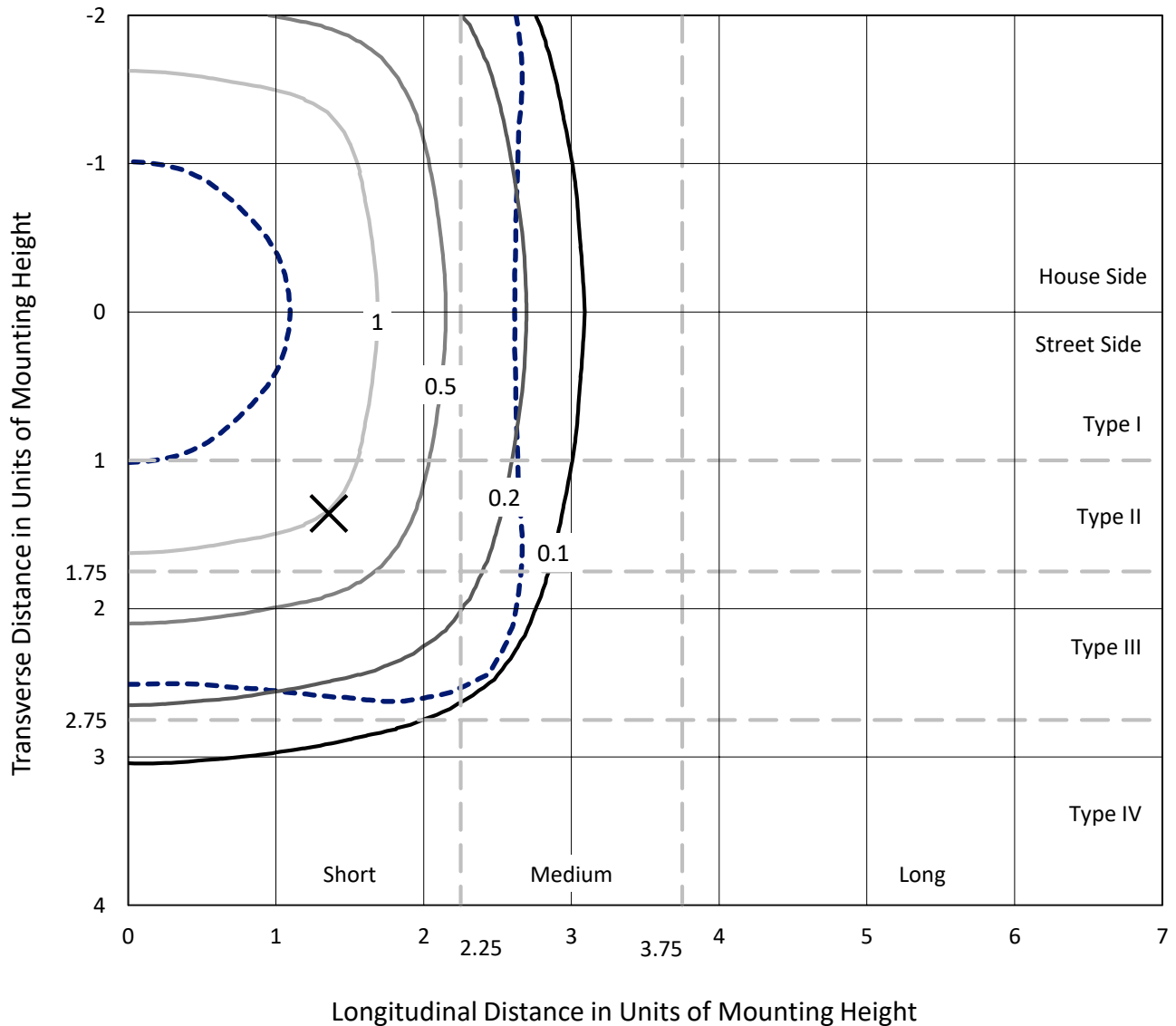
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

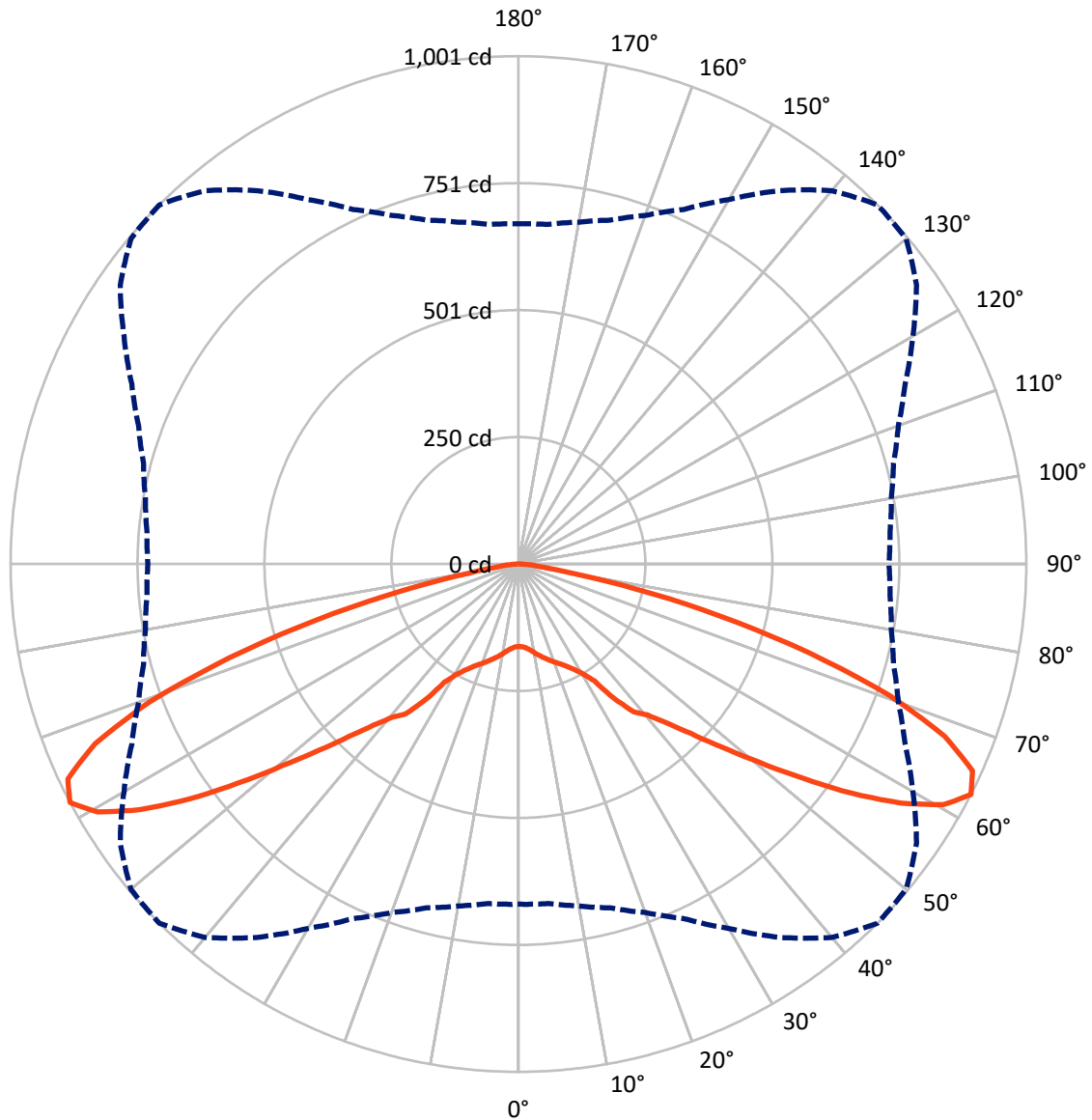
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.8 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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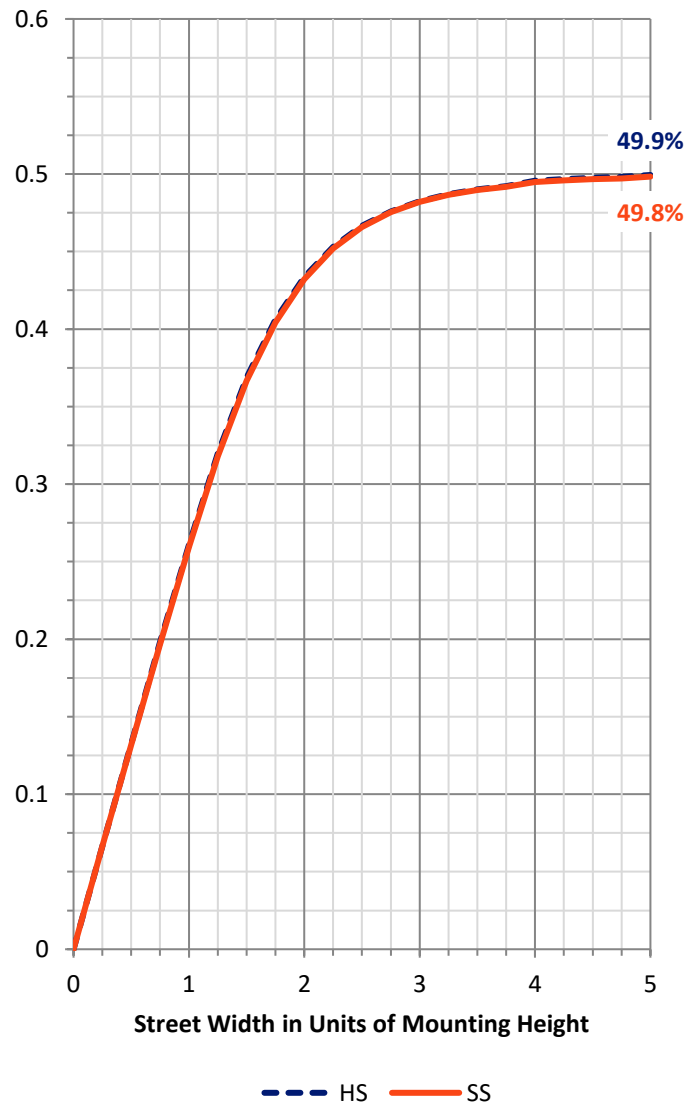
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1224.4	0.0	1224.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1224.4	0.0	1224.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	2448.9	0.0	2448.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.3	0.7
10°-20°	55.1	2.2
20°-30°	106.5	4.3
30°-40°	206.2	8.4
40°-50°	372.2	15.2
50°-60°	647.3	26.4
60°-70°	734.8	30.0
70°-80°	284.9	11.6
80°-90°	25.7	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°	2448.9	100.0
0°-180°	2448.9	100.0



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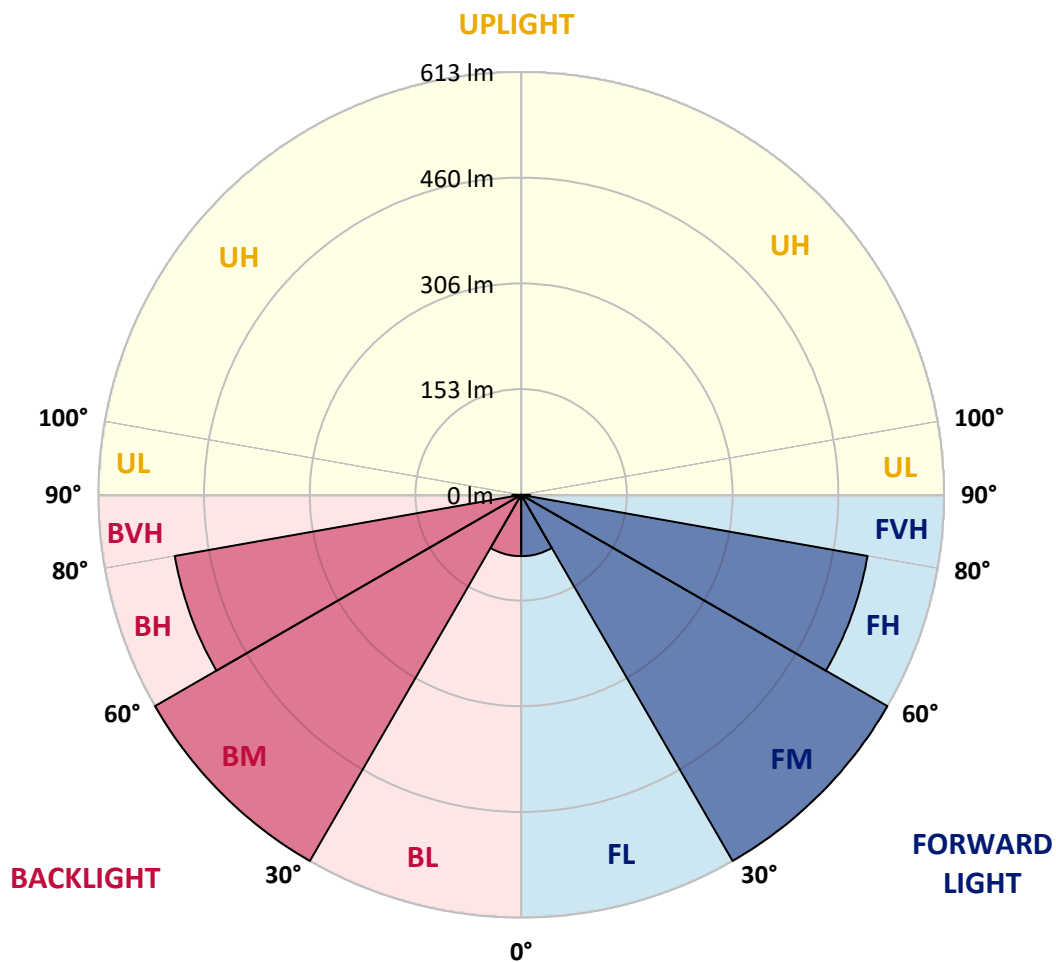
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	88.9	3.6			
FM (30°-60°)	612.8	25.0			
FH (60°-80°)	509.8	20.8			G0/660
FVH (80°-90°)	12.9	0.5			G1/100
BL (0°-30°)	88.9	3.6	B0/110		
BM (30°-60°)	612.8	25.0	B1/1000		
BH (60°-80°)	509.8	20.8	B2/1000		G0/660
BVH (80°-90°)	12.9	0.5			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°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	162.6	162.6	162.6	162.6	162.6	162.6	162.6	162.6	162.6	162.6	162.6
2.5°	163.6	164.1	164.0	163.7	163.7	163.7	163.6	163.2	163.1	163.3	163.6
5°	167.4	167.4	167.4	167.4	167.1	167.2	166.9	166.6	166.8	166.5	166.4
7.5°	173.2	172.8	172.8	172.6	172.7	172.4	172.0	171.6	171.6	171.6	171.4
10°	180.0	180.1	179.8	180.2	179.5	179.4	178.9	178.6	178.5	178.2	178.1
12.5°	188.2	187.9	187.8	187.6	187.4	187.1	186.4	186.2	185.8	185.5	185.1
15°	196.0	195.8	195.4	194.8	194.8	194.5	193.6	193.1	193.0	192.3	191.8
17.5°	203.7	203.4	202.8	202.6	202.1	201.6	201.0	200.2	199.8	199.5	198.9
20°	212.0	211.6	211.0	210.6	209.9	209.4	208.3	207.6	207.2	206.8	206.4
22.5°	222.2	221.6	220.6	219.8	218.4	217.9	216.4	215.5	214.8	214.4	214.1
25°	233.4	233.4	232.1	230.9	229.3	227.9	226.0	225.0	224.4	223.8	223.7
27.5°	247.2	247.4	246.1	244.4	242.0	240.4	237.8	236.6	236.2	235.8	235.6
30°	269.3	268.2	266.0	263.4	261.0	257.8	254.1	252.8	251.6	251.2	251.2
32.5°	309.8	309.2	307.4	300.8	297.8	291.0	284.5	280.8	276.6	274.6	273.3
35°	338.2	337.9	336.5	334.2	332.3	331.0	327.2	326.5	325.8	325.8	326.8
37.5°	359.0	357.5	357.2	357.7	357.2	357.4	360.4	364.6	368.2	370.0	369.7
40°	390.0	387.8	389.0	388.2	387.0	386.8	387.8	389.5	391.1	391.1	390.7
42.5°	430.3	431.4	431.8	428.2	425.8	425.2	427.6	427.0	428.7	428.0	426.4
45°	490.4	489.8	488.8	484.4	480.6	477.6	478.2	477.3	477.4	476.4	475.2
47.5°	550.8	553.0	549.3	547.2	542.9	540.8	542.5	541.0	543.9	538.6	536.0
50°	609.6	611.2	609.8	606.8	606.8	609.8	612.0	614.8	618.8	612.8	603.6
52.5°	657.7	659.0	660.8	663.4	669.6	676.1	685.2	695.0	702.7	701.5	691.2
55°	687.1	688.6	691.8	700.5	711.7	728.7	749.2	771.9	789.7	798.2	790.7
57.5°	697.0	698.1	706.7	717.2	734.6	759.8	794.3	833.4	867.5	889.2	885.7
60°	694.6	694.6	703.4	717.8	742.2	775.6	824.4	878.6	930.8	963.2	958.4
62.5°	670.8	672.0	684.6	701.9	731.3	771.2	829.6	898.8	961.2	1001.4	997.6
65°	618.4	619.2	632.8	653.4	686.2	733.6	797.2	874.0	945.4	984.2	976.9
67.5°	533.6	534.5	545.6	568.8	603.6	653.0	721.8	806.2	876.2	906.9	884.8
70°	424.5	427.0	434.2	458.8	485.2	533.6	597.0	681.4	747.4	776.5	752.2
72.5°	289.3	295.8	304.4	326.2	351.4	391.7	442.1	513.2	566.3	599.8	578.2
75°	162.9	172.0	174.7	191.3	212.0	243.8	280.7	331.7	385.2	412.4	386.4
77.5°	70.4	77.9	81.2	88.9	105.0	118.4	140.8	175.2	216.6	235.7	204.5
80°	34.7	36.5	37.8	40.2	44.8	49.2	59.8	74.8	91.8	96.0	76.4
82.5°	26.8	28.1	30.5	32.4	33.6	34.7	35.7	37.8	39.4	40.3	38.0
85°	18.8	20.5	23.2	25.3	26.6	27.5	28.4	29.0	27.4	25.0	26.4
87.5°	5.0	6.4	9.0	9.8	11.0	11.6	11.4	11.8	10.6	7.7	8.6
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°	162.6	162.6	162.6	162.6	162.6	162.6	162.6	162.6
2.5°	163.4	163.3	163.4	163.4	163.4	163.3	163.3	163.3
5°	166.4	166.4	166.5	166.2	166.2	166.4	166.2	166.1
7.5°	171.3	171.2	171.2	171.0	171.1	171.0	171.0	170.9
10°	177.9	177.6	177.8	177.4	177.4	177.2	177.2	177.2
12.5°	185.0	184.6	184.8	184.3	183.7	183.8	184.0	183.8
15°	191.8	191.4	191.0	190.8	190.4	190.5	190.6	190.4
17.5°	198.8	198.0	197.9	197.5	197.4	197.4	197.4	197.5
20°	206.0	205.5	205.4	205.0	204.8	205.2	205.4	205.1
22.5°	213.8	213.4	213.7	213.4	213.8	214.0	214.2	214.0
25°	223.4	223.2	223.6	224.5	225.0	225.2	225.9	225.6
27.5°	236.0	235.8	236.6	237.8	238.6	239.9	240.6	240.8
30°	252.2	253.4	253.8	256.4	256.8	258.9	258.9	259.8
32.5°	275.8	277.9	281.7	285.6	291.0	295.0	295.0	297.0
35°	327.4	328.3	331.2	331.8	333.0	334.2	333.0	334.0
37.5°	367.0	363.1	360.3	356.4	354.0	354.0	354.2	354.0
40°	387.3	385.8	384.5	381.2	380.7	380.6	380.5	381.1
42.5°	423.5	419.8	417.8	415.0	414.1	413.8	413.8	414.0
45°	470.6	464.6	459.2	456.4	454.0	451.8	452.5	452.5
47.5°	525.4	516.2	507.3	502.5	498.3	496.4	495.2	494.8
50°	592.2	579.2	567.8	558.8	552.8	552.6	553.2	549.2
52.5°	673.9	653.6	639.4	627.2	621.5	620.8	618.8	616.6
55°	764.6	740.4	717.0	704.0	696.4	692.4	690.0	686.2
57.5°	858.0	825.4	791.8	770.9	757.8	748.6	743.8	741.7
60°	930.0	885.6	841.2	807.6	785.7	772.2	763.8	760.4
62.5°	958.4	898.1	841.2	797.1	765.4	746.8	735.4	730.5
65°	924.6	853.2	788.3	739.8	704.4	683.6	671.3	665.9
67.5°	830.2	767.1	696.6	648.2	611.9	591.2	578.0	574.0
70°	696.0	631.6	564.2	521.0	488.6	471.7	458.0	456.3
72.5°	523.0	467.4	409.7	374.0	348.0	320.0	313.0	316.5
75°	335.2	283.2	231.8	199.6	175.8	149.2	139.0	141.5
77.5°	158.8	123.0	88.8	68.6	57.6	49.2	47.1	45.8
80°	58.8	47.7	42.2	40.0	38.4	37.1	36.1	34.9
82.5°	38.1	37.2	36.1	35.7	34.6	32.8	29.5	28.1
85°	28.5	28.5	27.0	27.1	26.2	24.0	20.9	19.2
87.5°	8.4	7.5	6.8	6.3	6.2	5.6	4.1	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)