

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: P180222

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180222
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICS-F01-LED-E1-5XQ-7030
Description: ICON SITE SMALL LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (7) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2158.3 lumens
Efficiency: N/A
Efficacy: 83.3 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: 25 FT



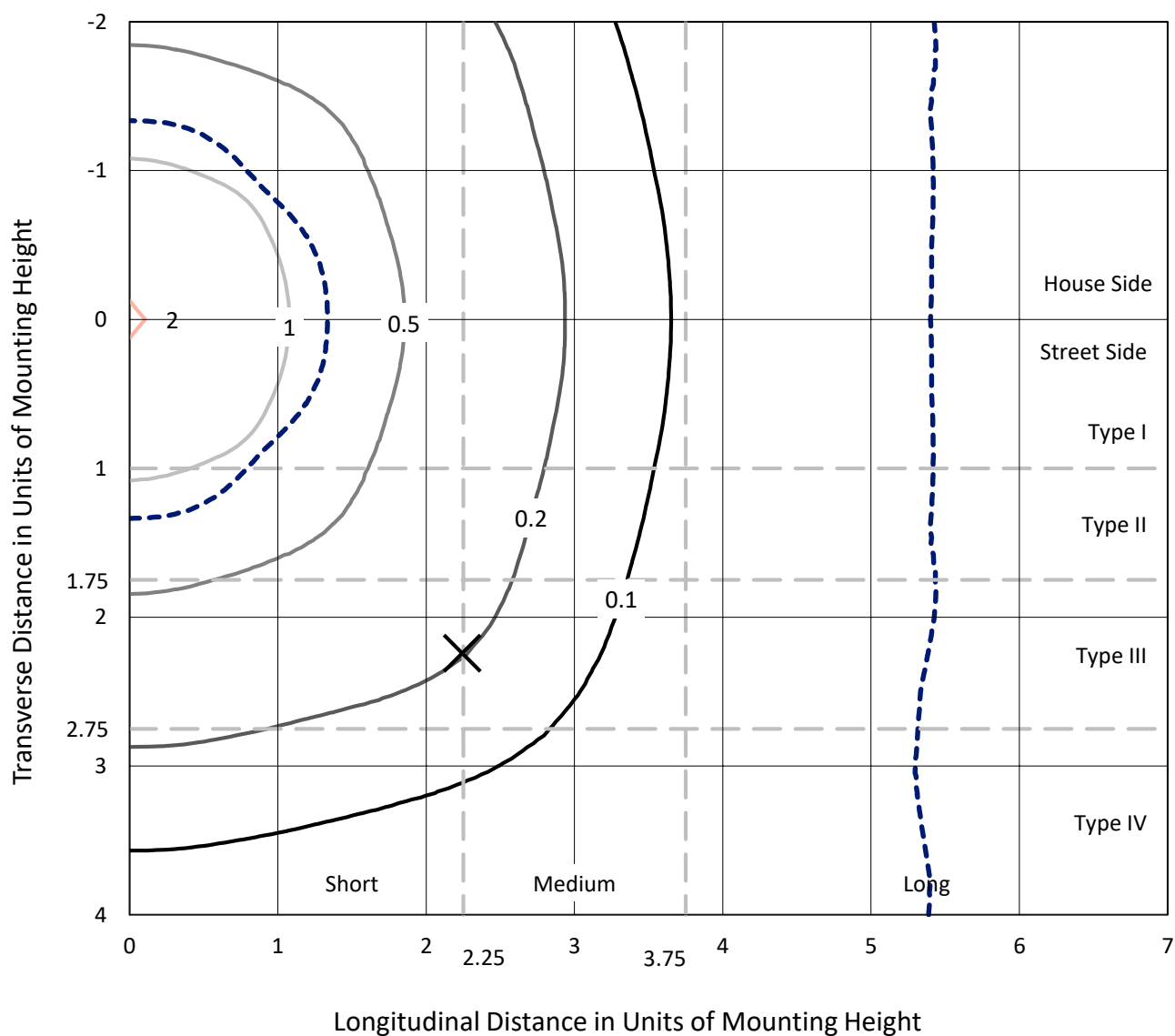
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

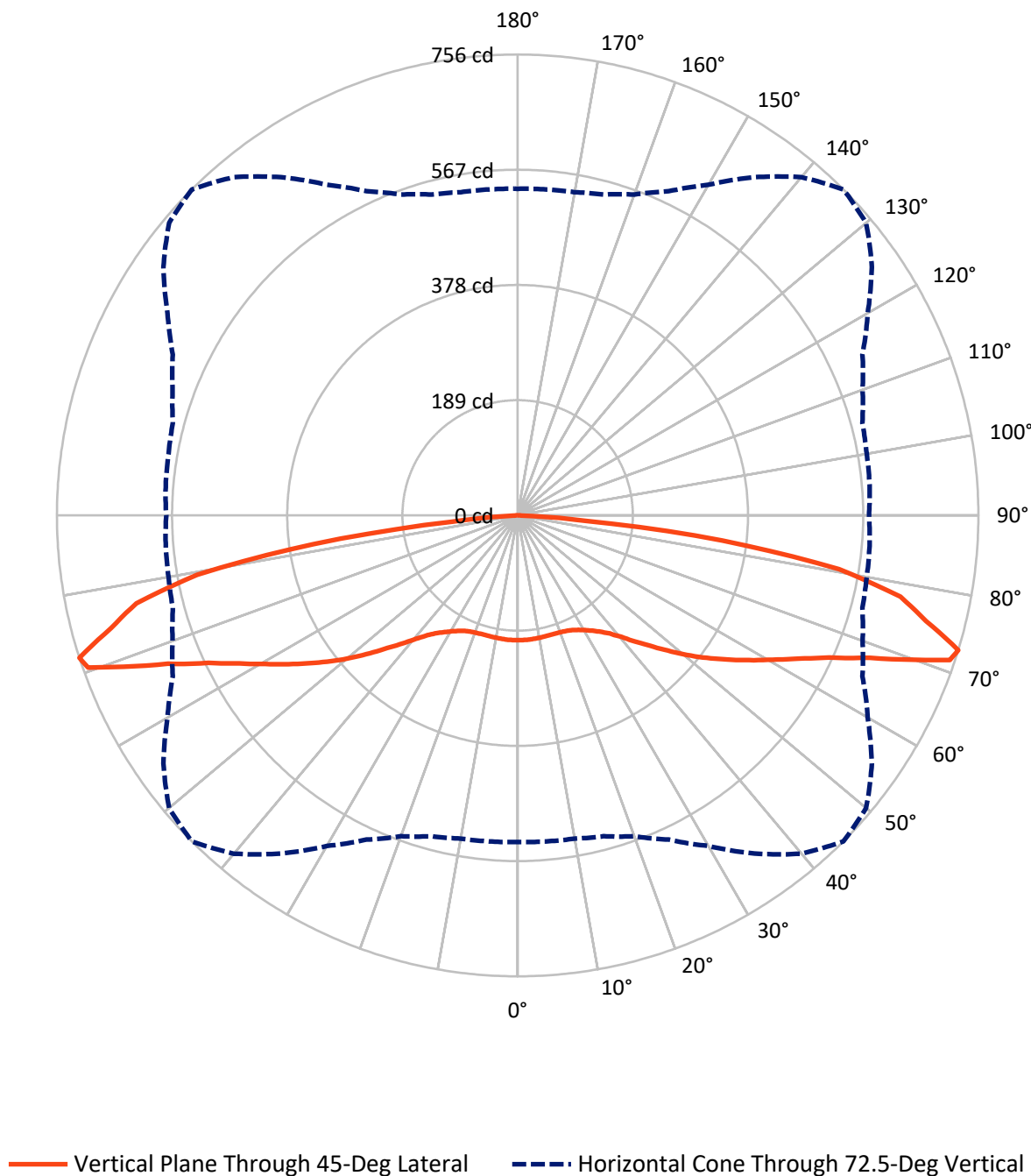


Based on 10 foot mounting height. Maximum calculated value = 2 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1079.2	0.0	1079.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1079.2	0.0	1079.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	2158.3	0.0	2158.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.5	0.9
10°-20°	57.7	2.7
20°-30°	96.5	4.5
30°-40°	147.2	6.8
40°-50°	235.0	10.9
50°-60°	361.3	16.7
60°-70°	526.1	24.4
70°-80°	592.7	27.5
80°-90°	122.3	5.7
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°	2158.3	100.0
0°-180°	2158.3	100.0

Coefficient of Utilization



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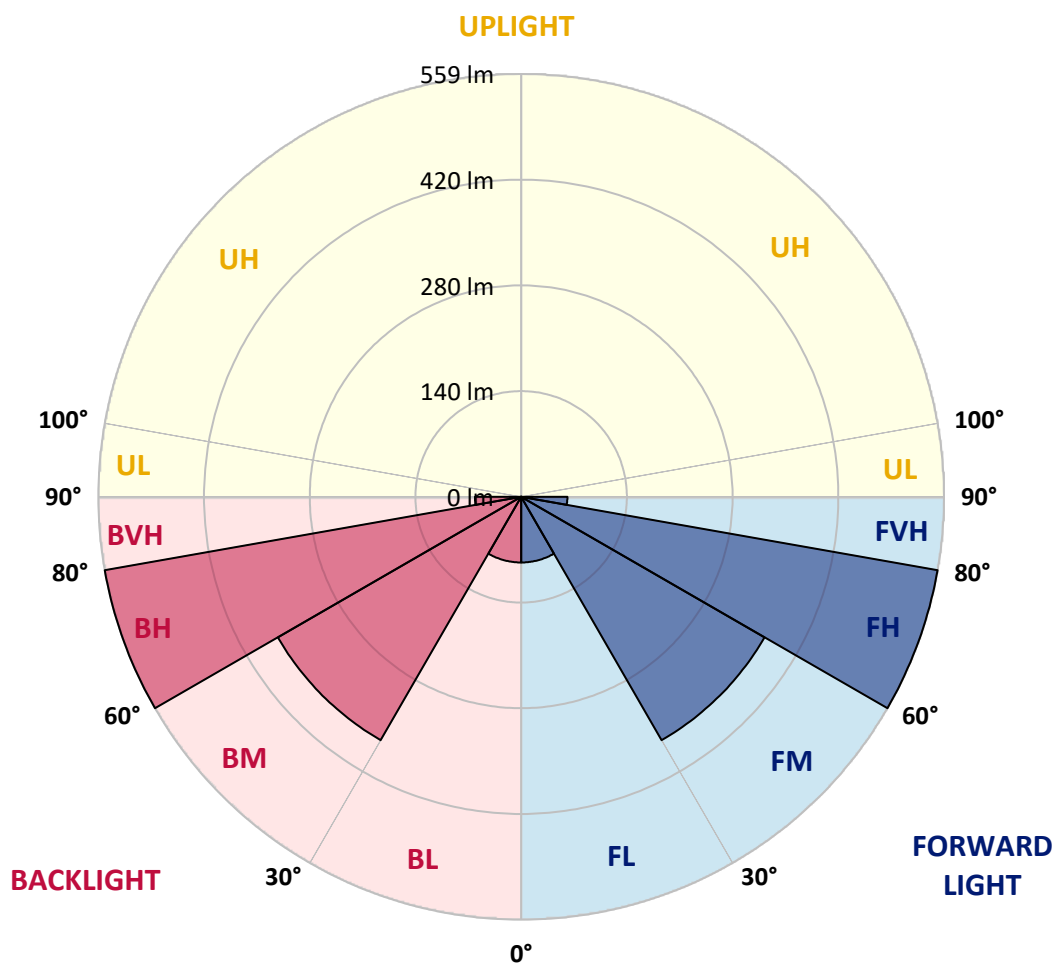
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	86.8	4.0			
FM	(30°-60°)	371.8	17.2			
FH	(60°-80°)	559.4	25.9			G0/660
FVH	(80°-90°)	61.2	2.8			G1/100
BL	(0°-30°)	86.8	4.0	B0/110		
BM	(30°-60°)	371.8	17.2	B1/1000		
BH	(60°-80°)	559.4	25.9	B2/1000		G0/660
BVH	(80°-90°)	61.2	2.8			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°	204.5	204.5	204.5	204.5	204.5	204.5	204.5	204.5	204.5	204.5	204.5
2.5°	204.8	205.0	204.9	204.8	204.8	204.8	204.6	204.6	204.2	204.5	204.8
5°	204.8	204.8	204.7	204.6	204.6	204.8	204.6	204.4	204.4	204.5	204.3
7.5°	204.7	204.5	204.4	204.3	204.4	204.5	204.3	204.1	204.2	204.0	203.8
10°	204.4	204.2	204.3	204.0	204.1	204.1	203.8	203.6	203.8	203.6	203.3
12.5°	204.5	204.2	204.2	204.1	204.0	203.9	203.6	203.4	203.4	203.3	203.0
15°	204.5	204.4	204.2	204.1	204.0	203.8	203.5	203.4	203.4	203.2	202.9
17.5°	204.6	204.5	204.5	204.2	204.1	204.0	203.6	203.5	203.7	203.3	203.0
20°	205.0	204.8	204.9	204.7	204.5	204.5	204.2	204.1	204.2	204.1	203.5
22.5°	205.6	205.6	205.7	205.7	205.6	205.7	205.5	205.4	205.5	205.5	205.0
25°	207.6	207.5	207.6	207.6	207.6	208.0	207.9	207.8	208.1	208.1	207.6
27.5°	211.2	211.0	211.2	211.3	211.6	212.1	212.0	212.2	212.6	212.5	212.0
30°	215.4	215.2	215.5	215.8	216.1	216.9	216.6	217.4	217.8	218.1	217.8
32.5°	221.4	221.5	222.0	222.2	222.7	223.5	223.6	224.3	224.8	225.4	225.0
35°	229.6	229.5	229.9	230.3	230.9	231.6	231.9	232.8	233.6	234.0	233.3
37.5°	242.0	241.4	242.2	242.4	242.9	243.0	243.9	245.0	245.8	245.7	245.2
40°	258.9	258.8	258.5	258.2	259.0	259.2	259.2	260.8	262.1	261.9	261.8
42.5°	278.6	278.0	277.7	277.7	278.2	278.3	280.0	281.2	282.2	282.4	282.1
45°	299.7	299.2	299.3	299.1	299.3	300.0	301.0	303.2	304.9	305.0	304.0
47.5°	322.5	320.9	322.1	320.4	321.4	322.0	324.6	327.6	330.8	331.3	330.5
50°	345.6	345.4	345.2	344.9	345.4	346.7	349.8	354.6	357.6	359.7	358.4
52.5°	370.8	369.9	369.5	369.0	369.5	371.9	376.2	380.4	385.9	388.2	386.4
55°	395.3	395.0	393.5	393.5	394.6	398.4	403.1	408.2	414.2	416.8	416.1
57.5°	420.6	418.9	418.4	417.8	419.9	423.4	429.3	438.6	444.8	447.7	446.0
60°	445.2	444.0	443.0	442.8	444.2	449.2	457.6	468.7	476.4	480.2	477.5
62.5°	471.6	470.9	469.7	468.4	471.5	477.9	488.3	500.6	511.9	516.7	512.6
65°	504.6	503.0	501.7	500.0	502.6	510.6	523.7	541.0	556.1	561.6	558.7
67.5°	539.3	537.8	537.8	536.9	541.4	552.5	569.4	593.0	613.2	622.6	617.1
70°	569.6	570.4	570.6	574.8	582.6	599.6	627.6	664.6	695.3	709.7	703.8
71°	560.7	562.6	565.4	569.7	583.1	603.2	641.5	686.3	722.9	747.3	739.2
72.5°	535.4	536.4	538.0	544.5	559.7	586.3	625.7	676.8	723.9	755.6	746.1
75°	498.6	499.8	500.2	504.8	518.7	541.9	578.0	623.3	664.9	691.8	689.1
77.5°	443.4	443.6	447.5	454.6	470.1	496.6	534.6	581.7	620.8	641.7	628.4
80°	318.4	316.2	320.3	329.4	348.6	379.1	418.0	471.7	515.1	534.6	514.1
82.5°	121.1	127.7	138.0	153.1	159.6	193.4	229.7	261.3	297.8	338.7	328.4
85°	13.0	14.6	18.4	22.8	28.8	39.8	55.0	75.1	92.6	108.8	96.6
87.5°	4.8	5.0	5.6	6.4	6.5	6.8	7.2	8.4	7.9	6.8	5.5
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°	204.5	204.5	204.5	204.5	204.5	204.5	204.5	204.5
2.5°	204.5	204.5	204.5	204.5	204.5	204.3	204.4	204.2
5°	204.4	204.3	204.3	204.4	204.3	204.4	204.3	204.4
7.5°	204.2	203.8	203.9	204.0	203.8	204.0	203.9	203.8
10°	203.6	203.1	203.4	203.2	203.2	203.2	203.2	203.2
12.5°	203.1	202.8	202.9	202.8	202.8	202.9	202.9	202.9
15°	203.0	202.6	202.4	202.4	202.4	202.5	202.5	202.7
17.5°	202.8	202.3	202.2	202.1	202.2	202.4	202.4	202.4
20°	203.2	202.7	202.6	202.6	202.5	202.8	202.7	202.7
22.5°	204.8	204.2	204.2	203.7	203.5	203.7	203.6	203.5
25°	207.3	206.6	206.4	205.8	205.4	205.4	205.2	205.0
27.5°	211.9	210.9	210.6	210.1	209.5	209.6	209.3	209.2
30°	217.2	216.3	215.5	214.8	214.0	213.8	213.4	213.4
32.5°	224.2	223.2	222.2	221.3	220.3	219.9	219.2	218.8
35°	232.7	231.4	230.2	229.6	228.6	228.1	227.6	228.2
37.5°	244.6	243.0	242.4	241.7	241.0	240.2	240.4	240.2
40°	261.2	259.7	259.2	257.8	257.6	256.8	257.3	256.8
42.5°	281.6	278.9	278.5	277.4	277.1	276.6	276.8	276.4
45°	303.8	301.4	300.9	299.3	299.3	298.2	298.6	298.6
47.5°	328.8	326.2	324.2	323.0	322.5	321.8	322.2	322.1
50°	354.6	351.2	348.8	346.5	345.4	345.8	345.0	346.3
52.5°	382.3	377.1	373.8	371.7	369.7	370.2	370.3	370.6
55°	411.0	404.4	399.6	396.8	395.0	395.1	395.6	396.0
57.5°	439.8	431.6	425.2	420.9	419.8	420.2	420.2	420.2
60°	469.7	459.8	451.6	446.7	445.7	445.4	447.6	446.9
62.5°	501.8	490.0	481.4	475.2	473.7	474.8	476.7	476.2
65°	544.4	528.1	517.0	510.8	508.4	509.4	512.0	512.0
67.5°	599.4	576.5	561.8	553.9	552.1	553.4	554.8	556.2
70°	681.4	648.8	627.9	610.8	603.4	602.0	603.5	603.6
71°	710.3	672.8	639.6	618.6	606.6	601.5	601.9	599.4
72.5°	709.2	662.9	624.0	602.1	585.3	581.3	579.3	576.3
75°	661.4	619.8	586.0	562.1	546.0	541.2	537.6	537.5
77.5°	599.8	569.1	531.8	506.6	486.9	478.9	475.4	475.2
80°	482.2	436.2	408.9	393.7	370.0	363.2	356.0	353.2
82.5°	291.6	227.8	185.3	164.6	153.2	126.2	113.2	107.1
85°	67.9	48.2	33.2	21.8	15.8	12.5	9.6	8.5
87.5°	4.6	3.6	3.2	2.6	2.0	1.9	1.2	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)