

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: P180112

Luminaire Tested: **ICM-F06-LED-E1-5WQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180112
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33675)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F06-LED-E1-5WQ-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13398.6 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B4 - U0 - G2

Input Watts (W): 156.5
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

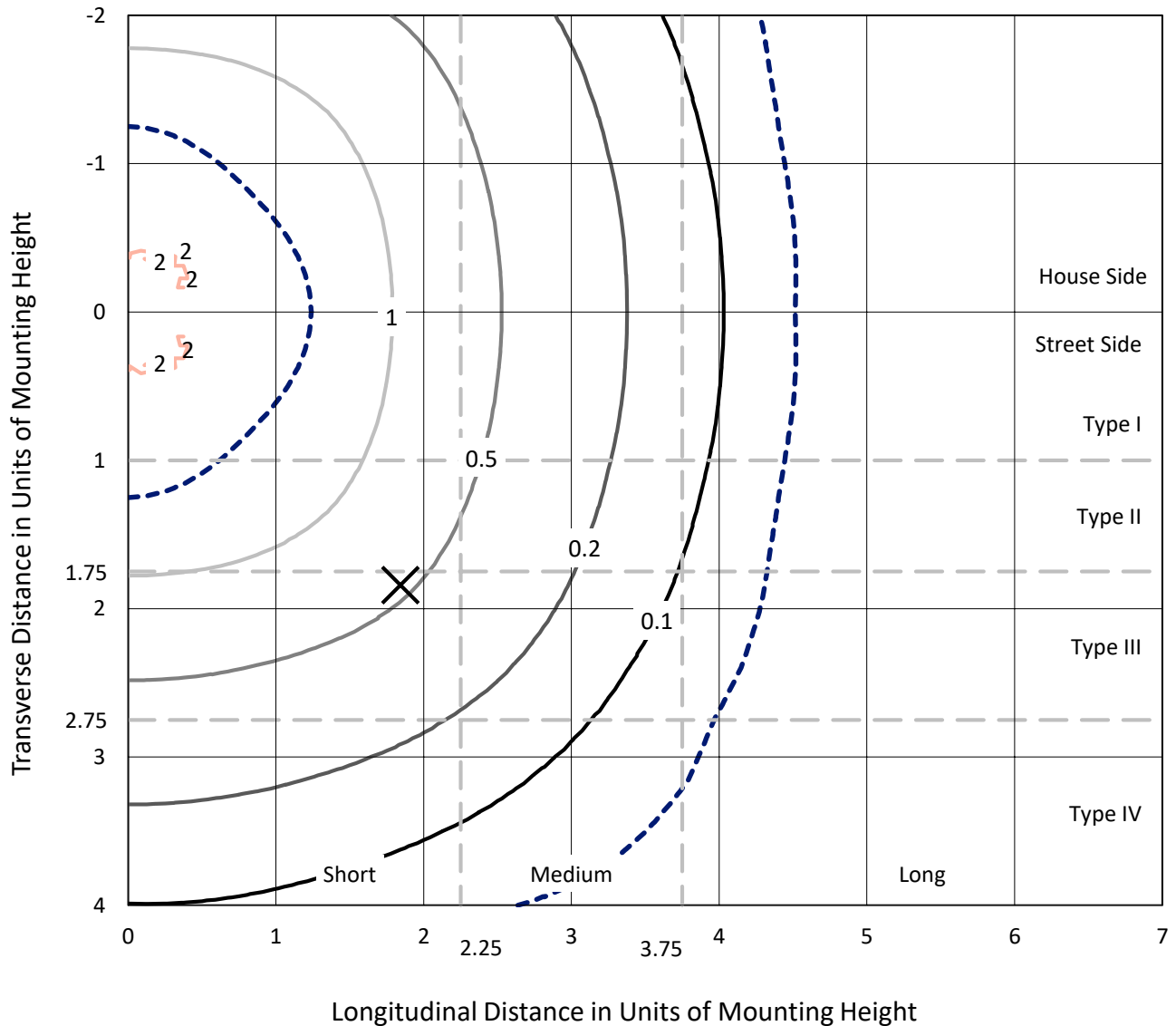


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Iso-Footcandle Lines of Horizontal Illumination

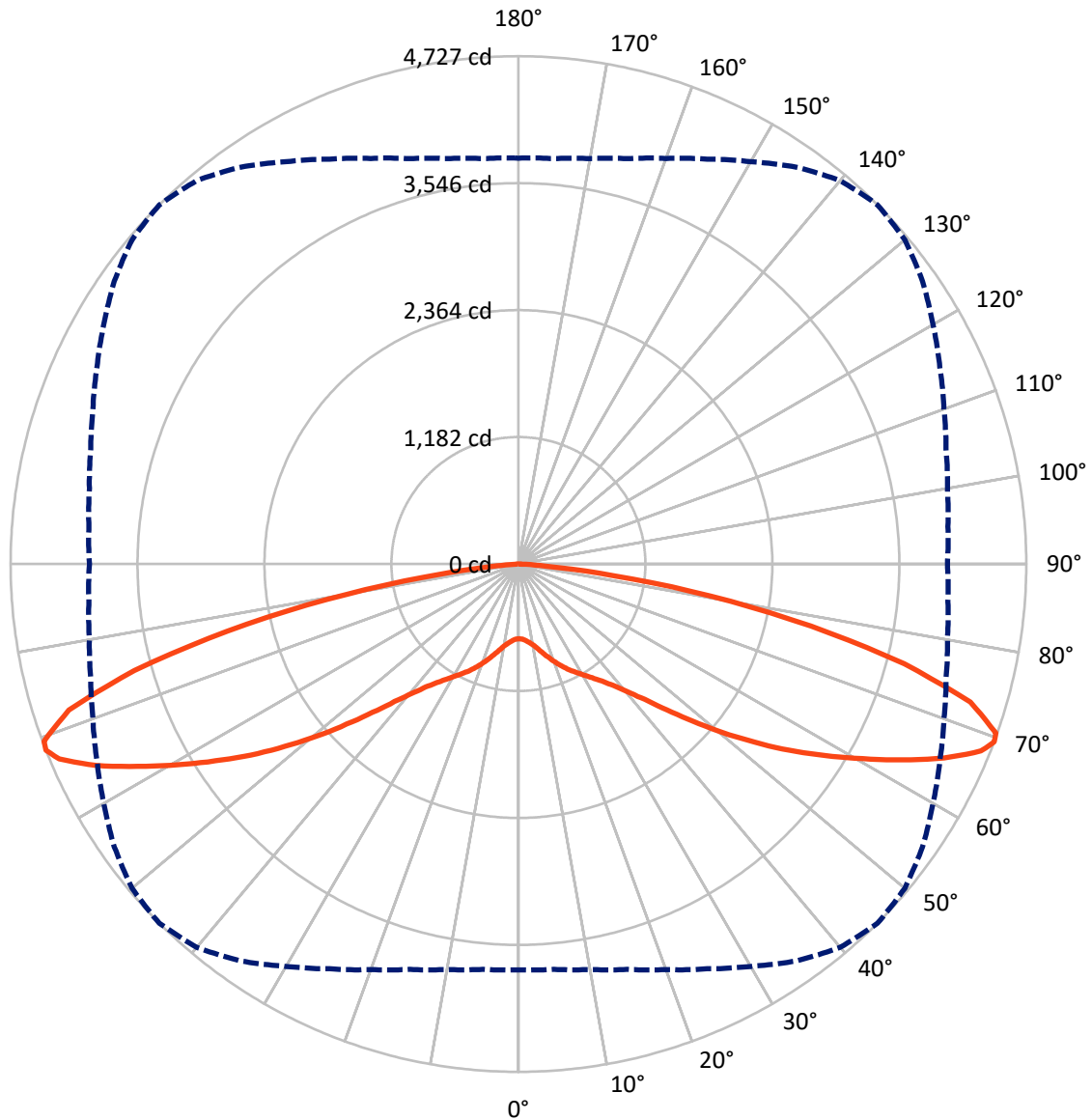
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6699.3	0.0	6699.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6699.3	0.0	6699.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	13398.6	0.0	13398.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.9	0.5
10°-20°	246.7	1.8
20°-30°	499.5	3.7
30°-40°	837.5	6.3
40°-50°	1477.3	11.0
50°-60°	2605.3	19.4
60°-70°	3977.5	29.7
70°-80°	3323.6	24.8
80°-90°	361.1	2.7
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°	13398.6	100.0
0°-180°	13398.6	100.0



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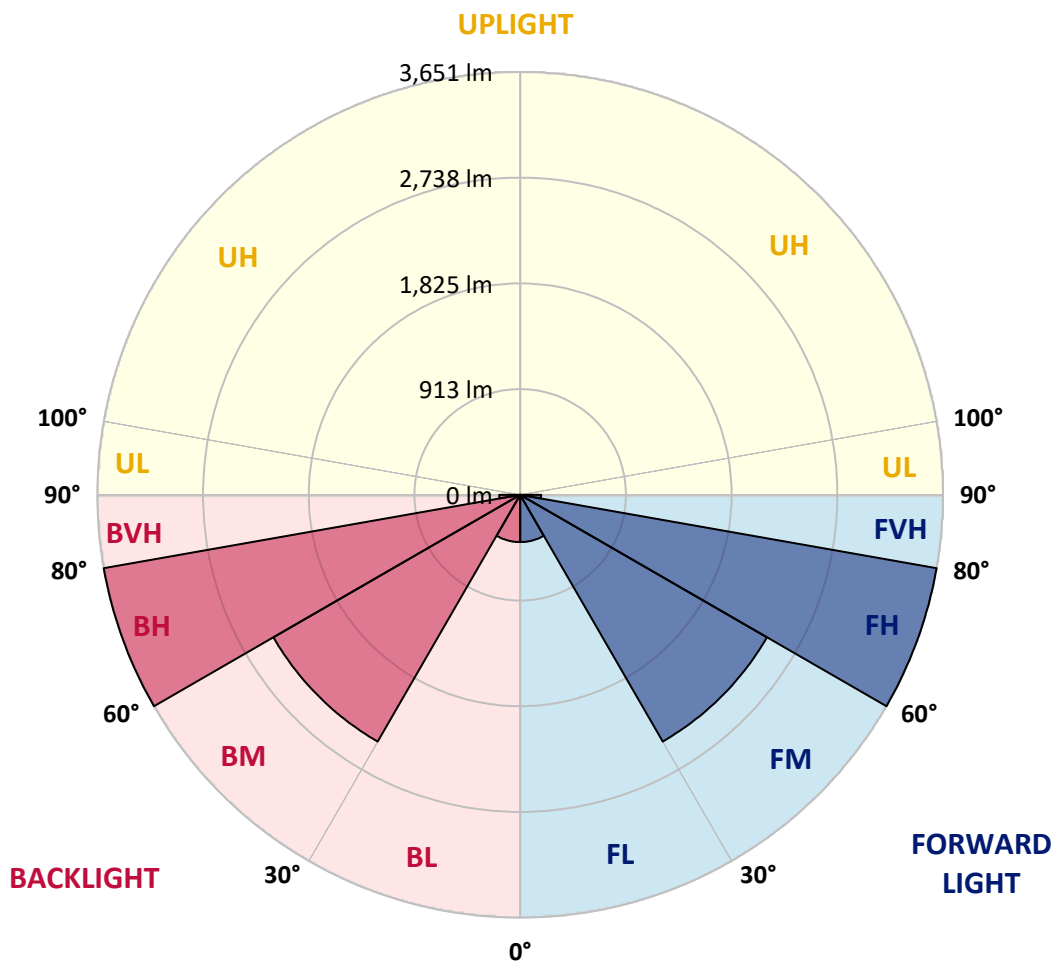
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	408.1	3.0			
FM	(30°-60°)	2460.1	18.4			
FH	(60°-80°)	3650.6	27.2			G2/5000
FVH	(80°-90°)	180.6	1.3			G2/225
BL	(0°-30°)	408.1	3.0	B1/500		
BM	(30°-60°)	2460.1	18.4	B2/2500		
BH	(60°-80°)	3650.6	27.2	B4/5000		G2/5000
BVH	(80°-90°)	180.6	1.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8
2.5°	701.4	702.8	701.4	701.4	701.4	701.4	701.4	700.0	700.0	700.0	701.4
5°	715.4	716.8	715.4	716.8	716.8	716.8	716.8	715.4	715.4	715.4	715.4
7.5°	737.9	737.9	737.9	739.3	737.9	737.9	739.3	737.9	737.9	737.9	737.9
10°	770.1	768.7	768.7	768.7	768.7	768.7	770.1	770.1	770.1	768.7	768.7
12.5°	809.4	808.0	809.4	809.4	810.8	810.8	810.8	810.8	810.8	810.8	809.4
15°	857.1	857.1	857.1	858.5	861.3	861.3	859.9	861.3	861.3	861.3	861.3
17.5°	910.4	913.2	910.4	911.8	913.2	911.8	914.6	916.0	917.4	916.0	911.8
20°	965.1	966.5	966.5	966.5	966.5	969.3	970.7	970.7	975.0	973.5	972.1
22.5°	1017.0	1019.8	1019.8	1021.2	1021.2	1025.4	1025.4	1025.4	1028.3	1031.1	1028.3
25°	1071.7	1070.3	1070.3	1073.1	1074.5	1080.1	1080.1	1083.0	1087.2	1088.6	1085.8
27.5°	1120.8	1119.4	1119.4	1123.6	1125.0	1132.0	1132.0	1137.7	1140.5	1141.9	1139.1
30°	1172.8	1172.8	1171.4	1175.5	1179.7	1185.3	1188.2	1193.8	1198.0	1199.4	1196.6
32.5°	1234.4	1231.6	1233.0	1235.8	1238.7	1244.3	1248.5	1255.4	1261.1	1262.5	1259.7
35°	1304.6	1300.4	1301.8	1304.6	1308.8	1317.2	1324.2	1328.5	1336.8	1339.6	1334.1
37.5°	1381.8	1383.2	1381.8	1388.8	1395.7	1405.6	1414.1	1419.6	1428.0	1432.3	1428.0
40°	1491.2	1487.0	1491.2	1498.1	1509.4	1522.1	1538.9	1543.1	1551.5	1559.9	1550.1
42.5°	1632.8	1630.1	1639.8	1645.5	1658.1	1672.1	1693.1	1704.4	1717.0	1722.6	1714.2
45°	1818.1	1818.1	1829.2	1830.6	1850.2	1868.5	1898.0	1912.0	1935.8	1935.8	1935.8
47.5°	2022.8	2031.3	2038.2	2052.3	2066.3	2100.0	2129.4	2160.3	2182.7	2185.5	2181.3
50°	2234.6	2243.1	2264.1	2283.7	2314.6	2356.7	2388.9	2429.6	2449.2	2466.1	2460.5
52.5°	2468.9	2470.3	2495.6	2520.9	2565.7	2612.0	2663.9	2706.0	2741.0	2756.5	2743.8
55°	2725.6	2728.4	2750.9	2777.5	2828.0	2881.3	2945.9	2989.3	3034.3	3062.3	3041.2
57.5°	3003.4	3004.8	3027.2	3059.5	3119.8	3173.1	3234.8	3296.6	3338.6	3363.9	3349.9
60°	3310.5	3317.6	3334.4	3375.1	3432.6	3488.8	3550.4	3605.1	3654.3	3681.0	3666.9
62.5°	3638.8	3645.9	3669.7	3702.0	3752.5	3814.2	3873.1	3943.3	3983.9	4013.4	3992.3
65°	3859.1	3871.7	3909.6	3953.0	4027.4	4107.4	4176.1	4271.5	4320.6	4355.7	4336.0
67.5°	3873.1	3880.1	3926.4	3992.3	4091.9	4212.6	4352.9	4501.5	4598.4	4644.6	4611.0
69°	3777.7	3787.6	3832.4	3906.7	4017.6	4157.9	4324.8	4510.0	4658.6	4727.4	4695.1
70°	3669.7	3690.7	3739.8	3821.2	3929.2	4076.5	4249.0	4446.8	4620.8	4714.7	4690.9
72.5°	3442.4	3448.0	3480.3	3544.9	3627.7	3749.6	3912.4	4098.9	4264.5	4399.1	4418.8
75°	3055.3	3073.5	3097.3	3140.9	3182.9	3271.3	3380.7	3508.4	3605.1	3709.0	3713.1
77.5°	2308.9	2363.7	2382.0	2391.7	2410.0	2480.1	2575.6	2686.3	2766.3	2783.1	2780.3
80°	1036.7	1109.6	1126.4	1206.4	1255.4	1371.9	1517.8	1687.5	1801.2	1813.8	1783.0
82.5°	203.4	217.4	253.9	317.0	432.1	500.8	596.2	715.4	824.8	888.0	850.1
85°	67.3	71.5	82.8	91.2	105.2	119.3	144.5	179.5	223.1	246.9	220.3
87.5°	26.7	26.7	30.9	33.7	36.5	36.5	36.5	33.7	32.3	26.7	23.8
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°	695.8	695.8	695.8	695.8	695.8	695.8	695.8	695.8
2.5°	700.0	700.0	700.0	700.0	700.0	700.0	700.0	700.0
5°	715.4	714.1	714.1	712.7	712.7	712.7	712.7	712.7
7.5°	736.5	735.1	733.7	735.1	733.7	733.7	733.7	733.7
10°	768.7	766.0	764.6	763.1	763.1	763.1	761.7	761.7
12.5°	806.6	806.6	805.2	803.8	801.0	802.4	801.0	798.1
15°	858.5	855.7	854.3	852.9	850.1	850.1	850.1	848.7
17.5°	910.4	907.6	907.6	903.4	902.0	902.0	902.0	903.4
20°	967.9	963.7	960.9	958.1	955.3	956.7	953.9	956.7
22.5°	1025.4	1019.8	1017.0	1012.8	1008.6	1008.6	1007.2	1004.4
25°	1081.6	1074.5	1071.7	1067.5	1061.9	1061.9	1059.1	1056.3
27.5°	1134.9	1127.8	1125.0	1116.7	1111.0	1109.6	1106.8	1105.4
30°	1193.8	1185.3	1181.1	1172.8	1164.3	1162.9	1158.7	1158.7
32.5°	1255.4	1247.1	1244.3	1231.6	1224.7	1224.7	1221.9	1219.0
35°	1332.7	1320.0	1317.2	1304.6	1294.8	1294.8	1292.0	1293.4
37.5°	1423.8	1414.1	1404.2	1394.3	1383.2	1381.8	1379.0	1376.1
40°	1545.9	1534.6	1523.5	1509.4	1499.5	1496.8	1492.6	1491.2
42.5°	1708.6	1697.4	1674.9	1663.7	1653.9	1645.5	1644.1	1642.7
45°	1916.2	1902.2	1886.7	1865.7	1853.1	1834.8	1832.0	1825.0
47.5°	2165.9	2139.3	2112.6	2094.3	2074.7	2053.7	2049.5	2038.2
50°	2431.0	2410.0	2365.1	2335.6	2304.8	2283.7	2269.7	2265.5
52.5°	2715.8	2676.5	2631.6	2592.4	2547.5	2519.4	2494.2	2487.2
55°	3013.2	2957.0	2900.9	2854.7	2809.8	2776.1	2752.3	2741.0
57.5°	3310.5	3248.9	3187.1	3136.7	3098.7	3055.3	3031.5	3025.8
60°	3620.6	3561.7	3498.5	3448.0	3401.8	3363.9	3349.9	3323.2
62.5°	3948.9	3887.1	3828.2	3779.1	3720.2	3693.5	3669.7	3654.3
65°	4271.5	4199.9	4125.6	4073.7	4014.8	3976.9	3947.5	3926.4
67.5°	4521.1	4413.1	4313.6	4226.6	4146.6	4087.7	4049.9	4030.2
69°	4591.3	4456.7	4329.0	4215.4	4121.4	4055.5	4013.4	3993.7
70°	4582.9	4434.2	4293.9	4169.0	4066.7	3996.6	3955.8	3919.4
72.5°	4323.4	4187.3	4031.7	3895.6	3803.0	3735.7	3694.9	3675.3
75°	3689.3	3598.2	3485.9	3380.7	3313.4	3274.1	3223.6	3225.0
77.5°	2686.3	2689.1	2613.4	2505.4	2429.6	2415.6	2393.1	2370.7
80°	1666.5	1533.2	1446.2	1329.9	1244.3	1170.0	1137.7	1067.5
82.5°	768.7	600.4	465.8	352.1	270.7	211.8	185.2	151.5
85°	171.2	130.4	108.0	87.0	74.3	68.7	56.1	51.9
87.5°	23.8	21.0	19.6	18.2	15.4	11.3	8.4	7.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)